

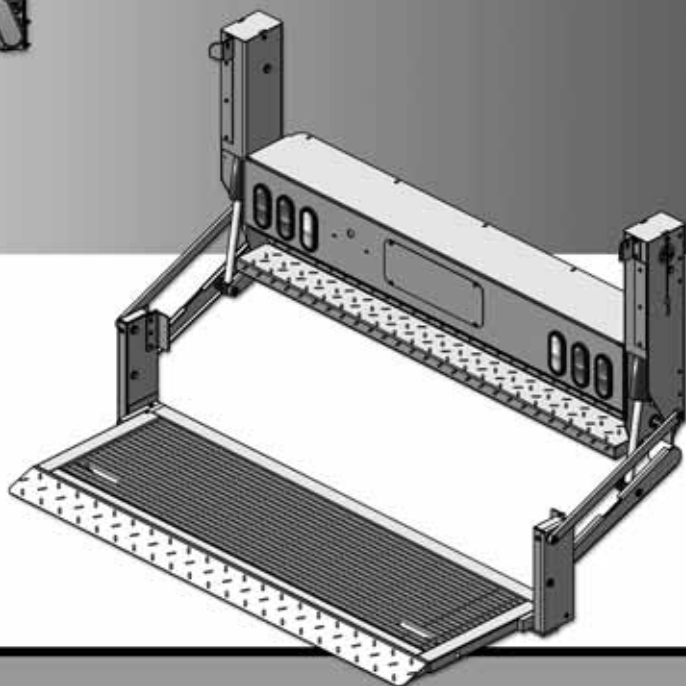
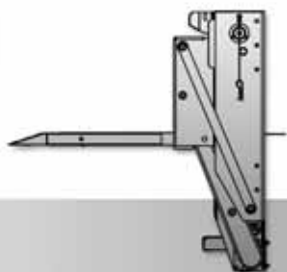
MAXON®

M-22-05
REV. A
JUNE 2025

OPERATION MANUAL

MLA

MLA-66 & MLA-86



To find **parts** information for your **MLA Liftgate**, go to www.maxonlift.com. Click on the **PARTS PORTAL**, and **MLA** button.

KEEP THIS MANUAL IN CAB OF VEHICLE

Register your liftgate online at www.maxonlift.com/htm/services/reg.htm.
For a free copy of other manuals that pertain to these liftgate models, please visit our website at www.maxonlift.com or contact **customer service** at (800) 227-4116.

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SUMMARY OF CHANGES: M-22-05 REVISION A

PAGE	DESCRIPTION OF CHANGE
Cover	Updated REV and date of release.
10	Increased quantity (8) of WARNING decal (P/N 212428-01) on WARNINGS, CAUTIONS & INSTRUCTIONS DECAL SHEET (P/N 212428-01).
11	Updated DECALS and PLATES to show SAFETY INSTRUCTIONS DECAL (P/N 212502-01).
23-26	Added operating instructions for using the optional tire rack.

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. Customer Service
11921 Slauson Ave
Santa Fe Springs, CA 90670
(800) 227-4116
2. Do not exceed rated **load capacity** of this **MLA** Liftgate which is **1,600 lbs (MLA-66), or 2,000 lbs (MLA-86)**.
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 illegible 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 power unit while the platform is being 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.

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:

- ☐ Read the Operator's manual before operating equipment.
- ☐ Make sure batteries are fully charged, and battery terminal connections are clean and tight.
- ☐ Check the power cutoff switch (if equipped) to ensure it disables power to the power unit when placed in the OFF position.
- ☐ Visually check platform is latched securely in stowed position, pin latch and cotter pin are undamaged.
- ☐ Visually check that the main frame housing is undamaged and bolted on securely. Look for hydraulic fluid leaking from housing.
- ☐ Follow the routing of hydraulic hoses from cylinders to main frame. Make sure visible hoses connections are secure and there are no cracks, chafing, and fluid leaks.
- ☐ Visually check that controls are in place and undamaged.
- ☐ Visually check that all decals are in place (see **DECALS** page). Make sure decals are legible, clean, and undamaged. Comply with the instructions, **CAUTIONS & WARNINGS**.
- ☐ Remove cotter pin from latch pin before operating platform.

Use the operation instructions in this manual to unfold the platform and lower it to the ground.

- ☐ Also ensure platform unfolds smoothly to operating position and lowers to the ground smoothly.
- ☐ Check main frame, columns, lift arms, and parallel arms for cracks and bends. Also, make sure all bolts and pins are in place and undamaged.
- ☐ Check platform for cracks, holes, and bends on the load-carrying surfaces and side plates.

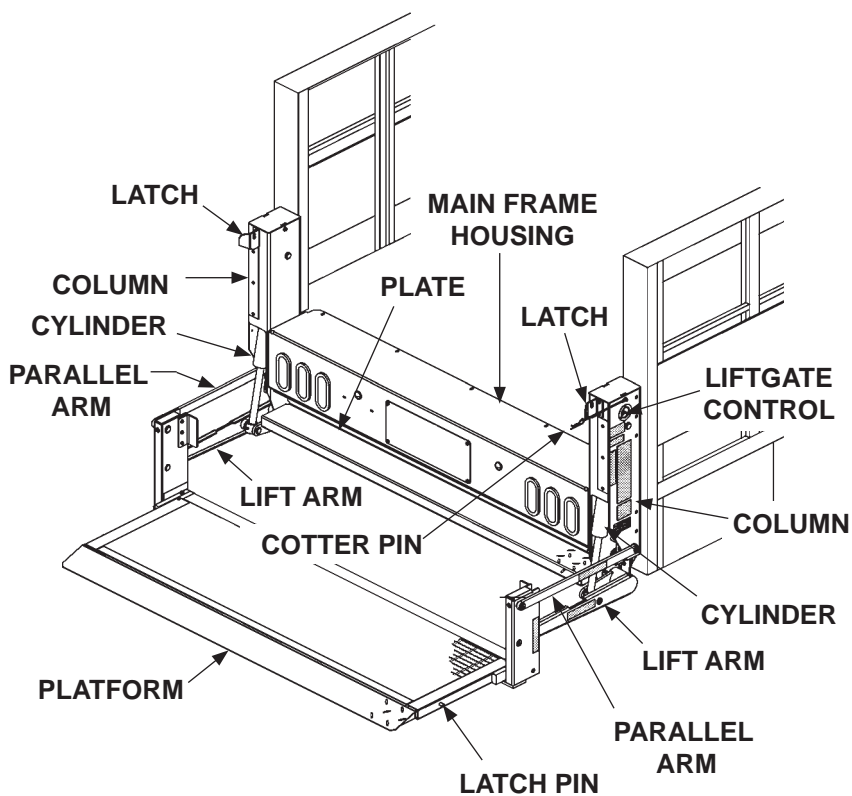
- ☐ Make sure load-carrying surfaces on main frame housing and platform, are clean (no oil, debris, or corrosion).
- ☐ Check for fluid leaks from hydraulic cylinders.

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. Next, lower the platform to ground level.

- ☐ When raising and lowering platform, listen for unusual noises and look for a “jerking” motion or uneven movement at LH and RH sides of the platform. Uneven movement should not exceed 1”.

If service or repairs are not required (or if completed), stow platform for transport.

LIFTGATE TERMINOLOGY

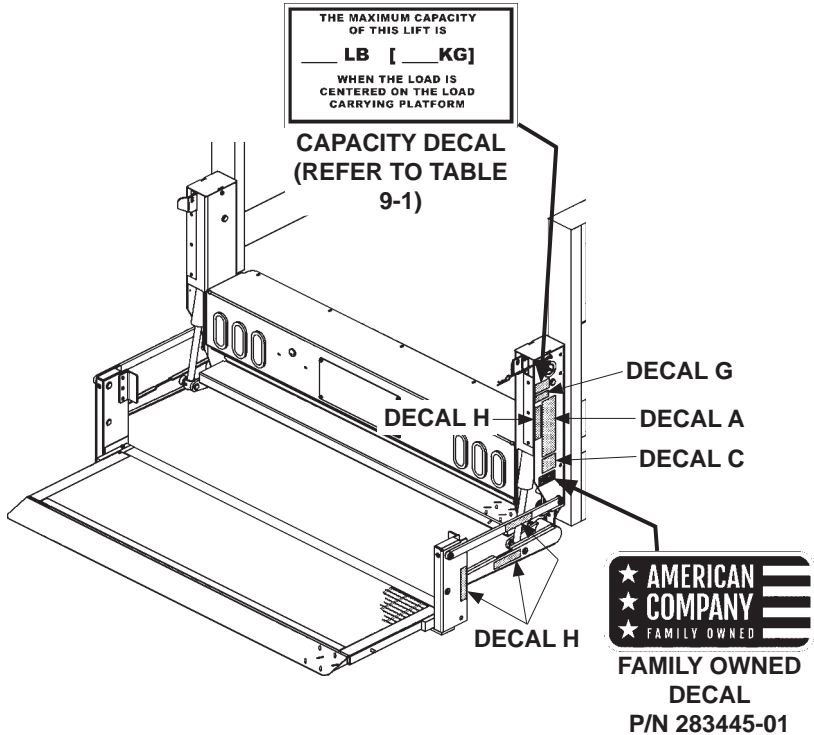


MLA LIFTGATE
FIG. 8-1

DECALS

NOTE: Decals are preinstalled at factory.
Decal location shown for reference.

NOTE: Ensure there is no residue, dirt or corrosion where decals are attached.
If necessary, clean surface before replacing decals.



MLA LIFTGATE (CURB SIDE)
FIG. 9-1


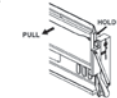

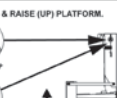

MODEL	ORDER P/N	DECAL "CAPACITY"
MLA-66	224751	1600 LBS. (725 KG)
MLA-86	220387	2000 LBS. (907 KG)

CAPACITY DECAL PART NUMBERS
TABLE 9-1

DECALS - Continued

OPERATING INSTRUCTIONS

Scan this QR code to see operation manual or video.

- 1 SET CAB SWITCH (IF EQUIPPED) TO ON POSITION.
- 2 SWITCH UP FOR 1 SECOND & RELEASE. THEN PULL OUT COTTER PIN TO PREPARE PLATFORM FOR RELEASE.
 
- 3 COMPLY WITH WARNINGS TO STAY CLEAR OF PATH WHERE PLATFORM IS UNFOLDED & OPERATED. USE RIGHT HAND TO HOLD RIGHT SIDE OF PLATFORM. PULL CABLE WITH LEFT HAND TO RELEASE PLATFORM LATCH PINS.
 
- 4 UNFOLD PLATFORM.
 
- 5 LOWER (DN) & RAISE (UP) PLATFORM.
 
- 6 TO STOW: RAISE PLATFORM TO BED HEIGHT. FOLD PLATFORM. ENGAGE LATCH PINS. INSERT COTTER PIN.
 
- 7 SET CAB SWITCH (IF EQUIPPED) TO OFF POSITION.

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.
- If you are using a pallet jack, be sure it can be maneuvered safely.
- Do not operate a forklift on the platform.
- Do not place any part of your 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.
- Do not ride on the platform or allow others to 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.misco88.com or call Customer Service at 800-227-4118.

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. Be certain vehicle is properly and securely braked 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.

CAUTION

Electrical components and metal parts on this liftgate can be severely damaged by connecting an electric welder incorrectly to the liftgate. To prevent damage, always connect ground lead directly to the component being welded (e.g. runner, column, platform) and as close to the weld as possible.

NOTICE

The electrical system on this liftgate is protected from overload by a circuit breaker near the positive (+) battery terminal.

WARNING

Prevent bodily injury. Stay clear of PINCHPOINT.

WARNING

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NOTICE

- Before operating liftgate, ensure platform latch pins are disengaged.
- After operating liftgate, ensure platform is stowed and latched securely.
- Turn OFF cab switch (if equipped) to prevent operation by unauthorized persons.
- Ensure platform is stowed securely before moving the vehicle.

CAUTION

Always stand clear of platform area.

WARNING

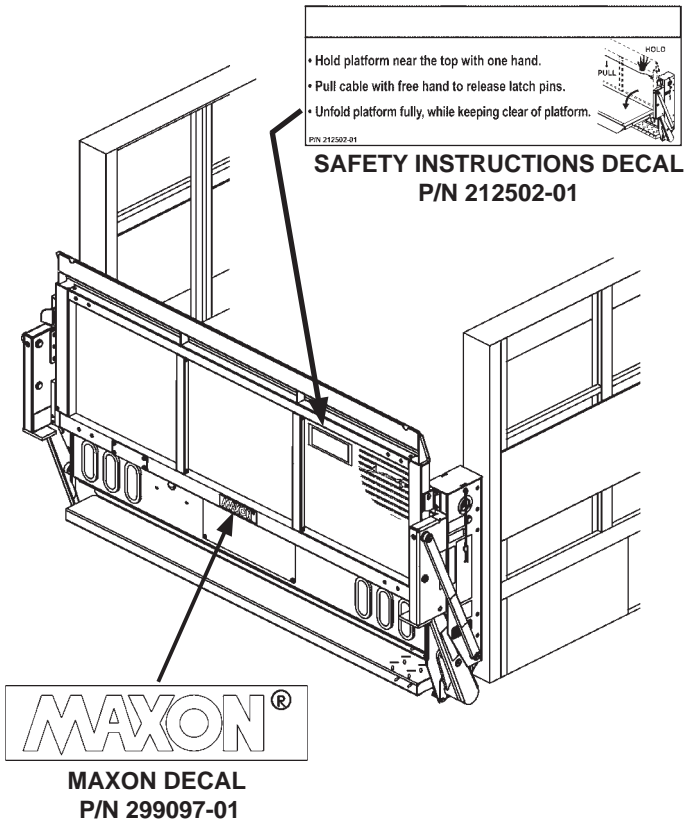
Avoid personal injury and equipment damage after electrical overload and a tripped circuit breaker.

- Ensure area in the path of platform is clear of persons & objects.
- Ensure tripped circuit breaker is cooled down before a reset.
- If breaker continues to trip, stop the reset. Get a qualified mechanic to correct the problem and reset circuit breaker.

WARNINGS, CAUTIONS & INSTRUCTIONS DECAL SHEET
P/N 212428-01
FIG. 10-1

DECALS & PLATES

NOTE: Preferred decal layout is shown. Decals on the Liftgate are attached at the factory, except for the 24/7 SUPPORT decal. The 24/7 SUPPORT decal is placed at customer's or installer's preference.



MLA LIFTGATE
FIG. 11-1

DECALS & PLATES - Continued



MAXON 24/7 SUPPORT DECAL P/N 298634-01

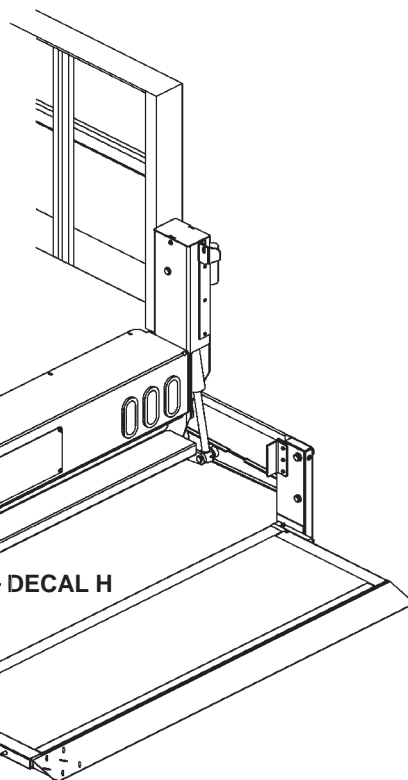
DECAL F
DECAL E
DECAL D
DECAL B



QR PARTS DECAL P/N 212431-01



SERIAL PLATE (REF)



MLA LIFTGATE (STREET SIDE) FIG. 12-1

NOTE: MAXON 24/7 LIFTGATE SUPPORT service is only available in the Continental U.S.

FORKLIFT ADVISORY

⚠ WARNING
Keep forklift OFF of platform.

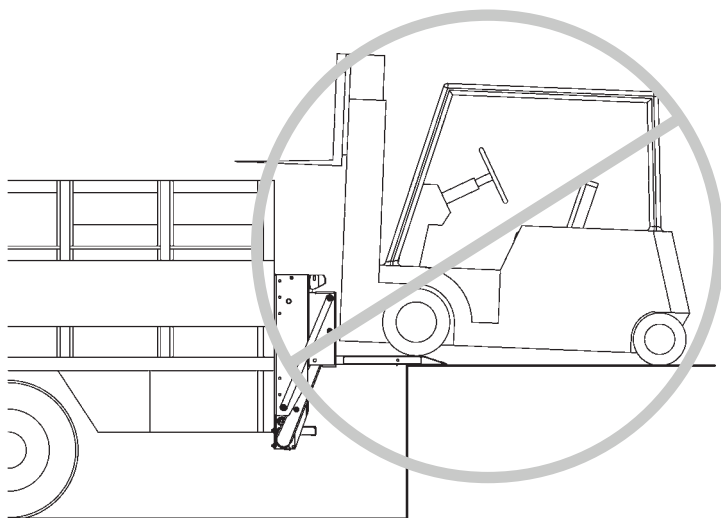


FIG. 13-1

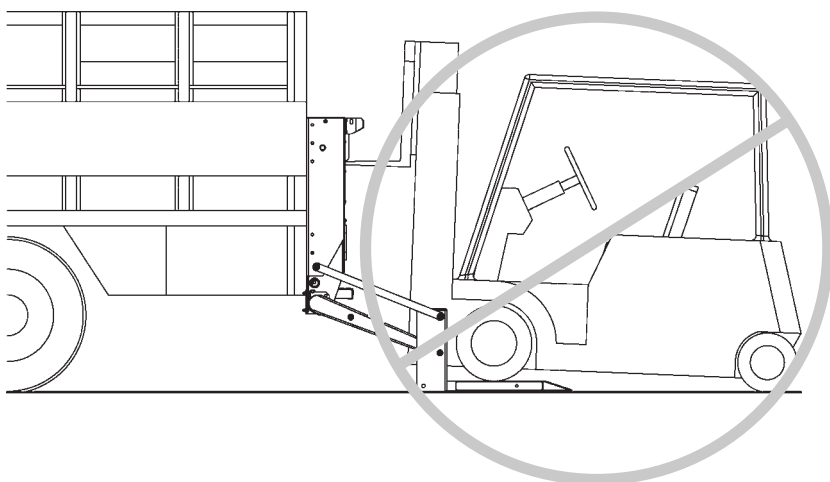


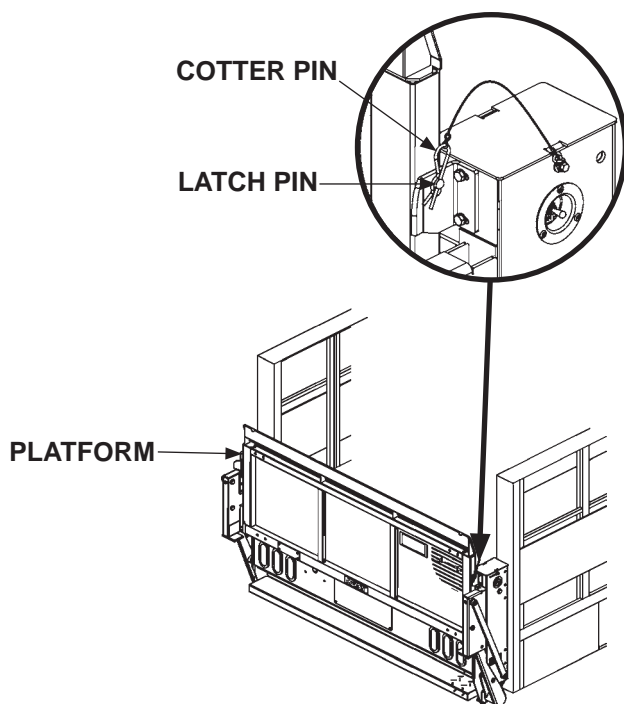
FIG. 13-2

OPERATING INSTRUCTIONS

CAUTION

To prevent personal injury and equipment damage, ensure Liftgate is securely closed & latched to platform before using platform to carry loads.

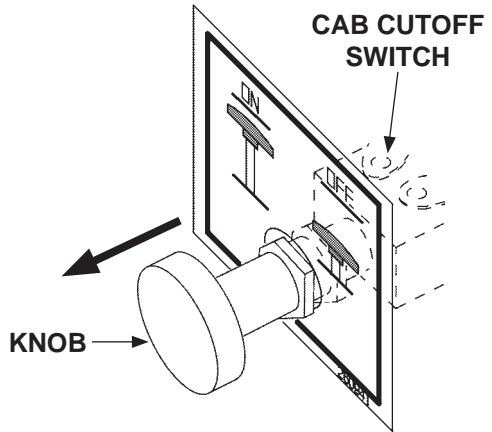
Ensure Liftgate is closed, and pinned in **LATCHED** position (**FIG. 13-1**). To close and latch Liftgate, refer to instructions in this manual for **STOWING LIFTGATE**.



CLOSED & LATCHED LIFTGATE
FIG. 14-1

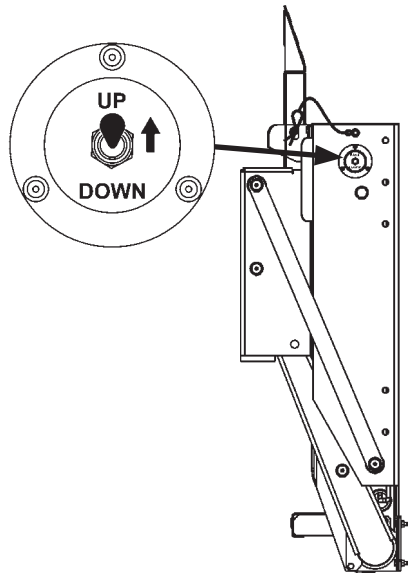
ACTIVATING LIFTGATE

1. To apply power to Liftgate, pull cab cutoff switch (if equipped) knob out to **ON** position (**FIG. 15-1**).



APPLYING POWER TO LIFTGATE
FIG. 15-1

2. Pressurize the hydraulic system by holding the control switch in **UP** position for 1 second and release (**FIG. 15-2**).

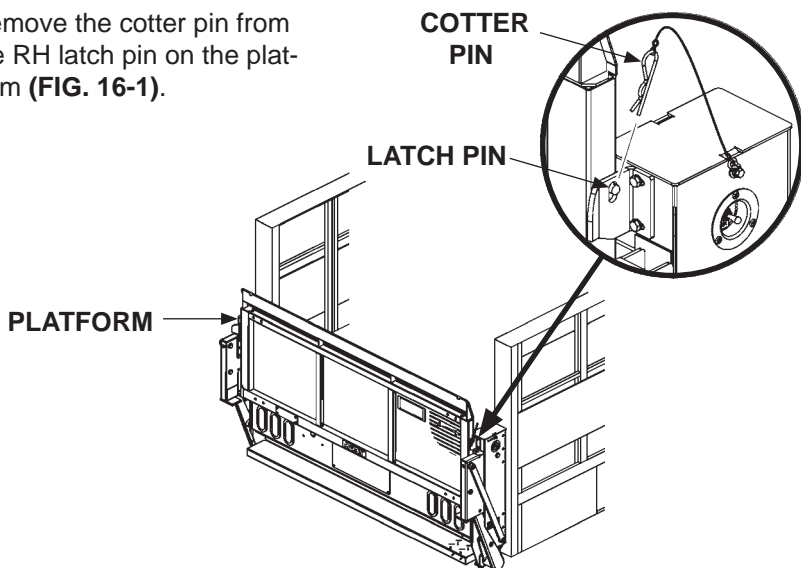


CONTROL SWITCH UP
FIG. 15-2

OPERATING INSTRUCTIONS - Continued

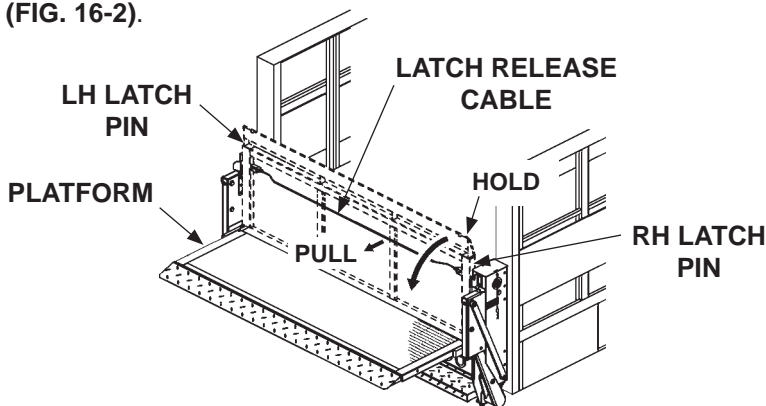
UNFOLDING PLATFORM

1. Remove the cotter pin from the RH latch pin on the platform (**FIG. 16-1**).



REMOVING RH LATCH PIN
FIG. 16-1

2. Stand clear of the area where the platform unfolds. While holding the platform with a free hand, pull the latch release cable to disengage the RH and LH latch pins and unfold platform (**FIG. 16-2**).



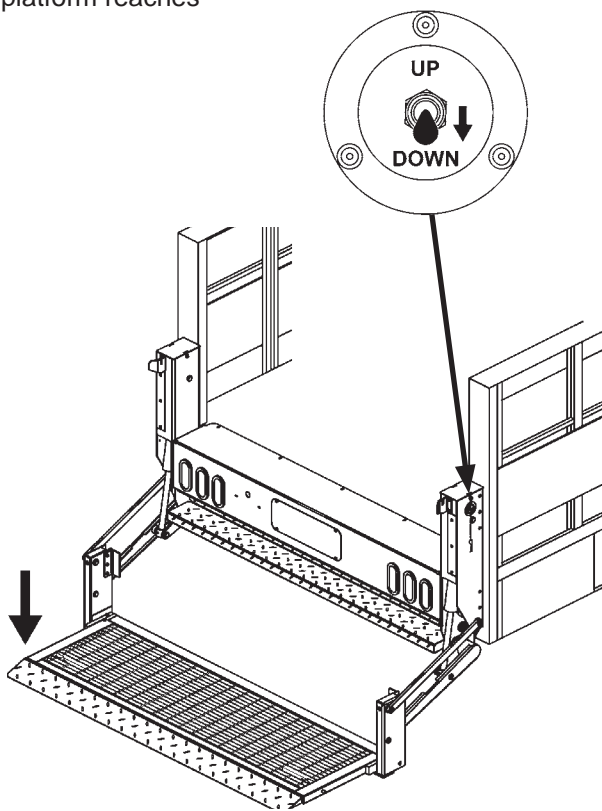
UNFOLDING PLATFORM
FIG. 16-2



WARNING

Before lowering platform, make sure area surrounding platform is clear of people and objects.

3. Use control switch (**DOWN**) to lower platform to the ground (**FIG. 17-1**). Release switch when platform reaches the ground.



LOWERING PLATFORM TO THE GROUND
FIG. 17-1

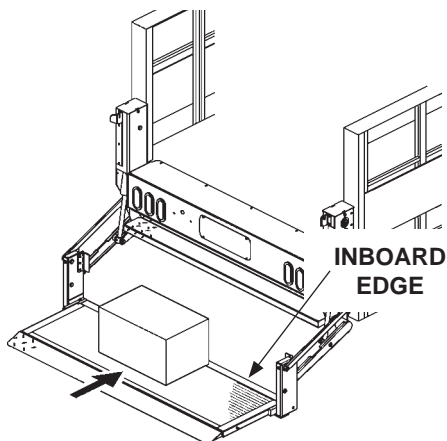
OPERATING INSTRUCTIONS - Continued

LOADING VEHICLE

WARNING

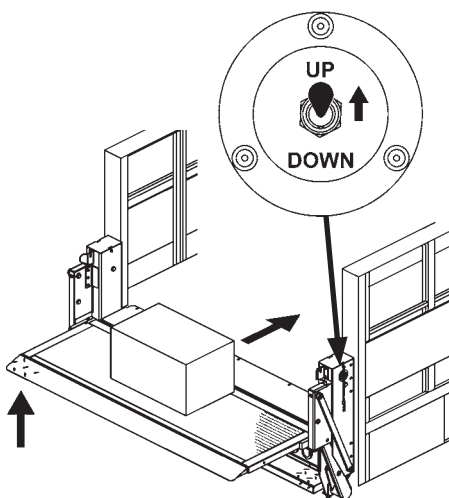
A load should never extend past the edges of the platform. Do not place unstable loads on platform, do not allow load to exceed lifting capacity of Liftgate, and do not ride on the platform.

1. Place all loads as close as possible to the inboard edge of the platform with heaviest part toward the truck bed as shown in **FIG. 18-1**. Move loads across the ramp (**FIG. 18-1**) to the platform, but never rest or raise loads solely on the flipover and ramp portion.



LOADING PLATFORM AT GROUND LEVEL
FIG. 18-1

2. Use switch (**UP**) to raise platform from the ground to bed height (**FIG. 18-2**). Release switch when platform reaches bed height.



RAISING LOADED PLATFORM
TO BED HEIGHT
FIG. 18-2

3. Carefully move the load into vehicle (**FIG. 18-2**).

UNLOADING VEHICLE

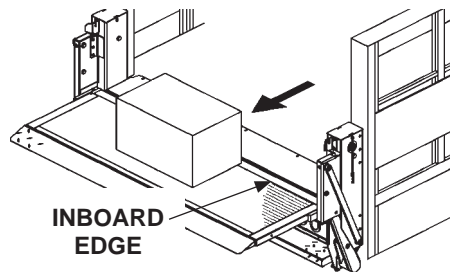
WARNING

A load should never extend past the edges of the platform. Do not place unstable loads on platform, do not allow load to exceed lifting capacity of Liftgate, and do not ride on the platform.

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.

1. Unload the vehicle at bed level (**FIG. 19-1**) as follows. Push load out of the vehicle 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 vehicle body as shown in **FIG. 19-1**.

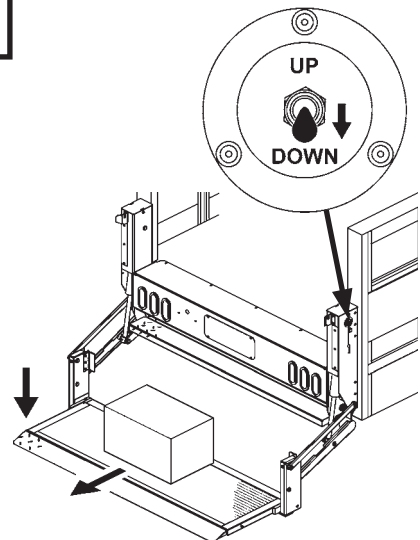


MOVING LOAD ON PLATFORM
FIG. 19-1

WARNING

Before lowering platform, make sure area surrounding platform is clear of people and objects.

2. Use control switch (**DOWN**) to lower platform and load to the ground (**FIG. 19-2**). Release switch when platform reaches the ground.
3. Carefully move load off platform (**FIG. 19-2**) to a place where it will not become a hazard for people and other vehicles. If there is more to unload from vehicle, repeat the previous **UNLOADING VEHICLE** steps for each load. When unloading is finished, use **STOWING PLATFORM** procedure in this manual.

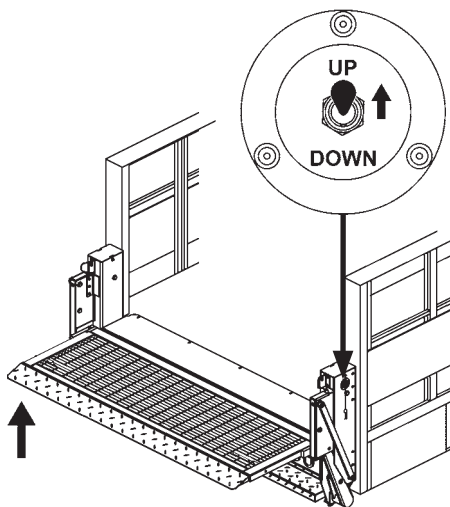


UNLOADING PLATFORM AT
GROUND LEVEL
FIG. 19-2

OPERATING INSTRUCTIONS - Continued

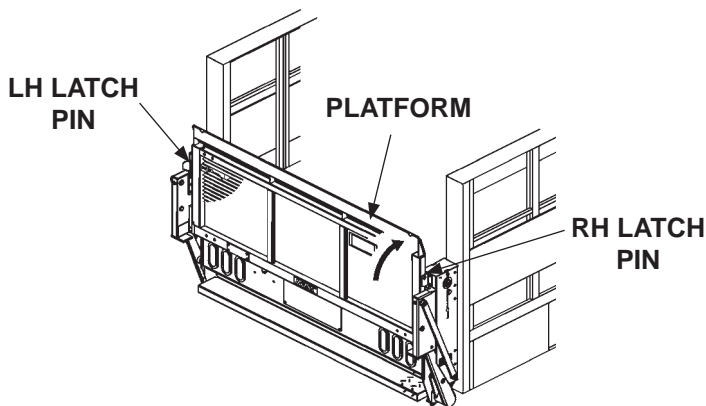
STOWING PLATFORM

1. Use control switch (**UP**) to raise platform from the ground to bed height (**FIG. 20-1**). Release switch when platform reaches bed height.



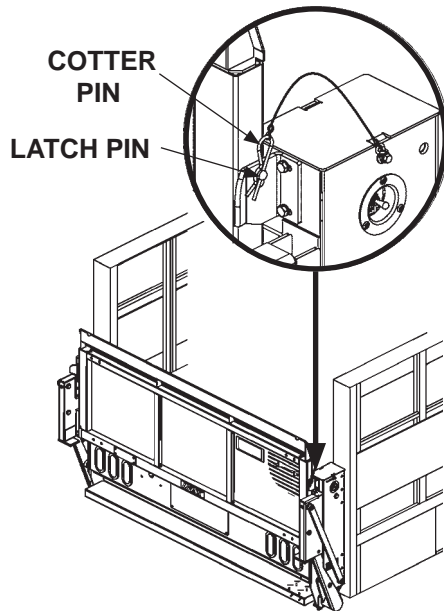
RAISING PLATFORM TO BED HEIGHT
FIG. 20-1

2. Fold platform upright against the columns until LH and RH latch pins are engaged in catches (**FIG. 20-2**).



FOLDING PLATFORM
FIG. 20-2

3. Insert cotter pin in RH latch pin to secure Liftgate (**FIGS. 21-1**).

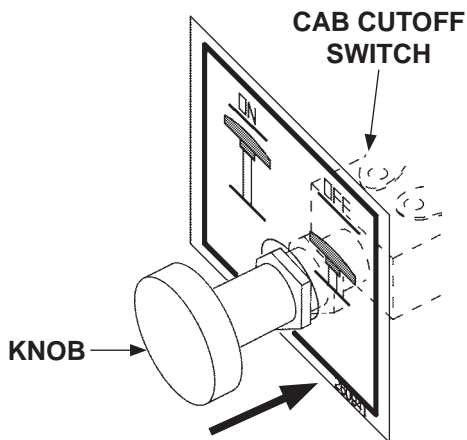


SECURING LIFTGATE
FIG. 21-1

OPERATING INSTRUCTIONS - Continued

TURNING OFF POWER

1. Disconnect power to Liftgate by pushing cab cutoff switch (if equipped) knob to the **OFF** position (**FIG. 22-1**).

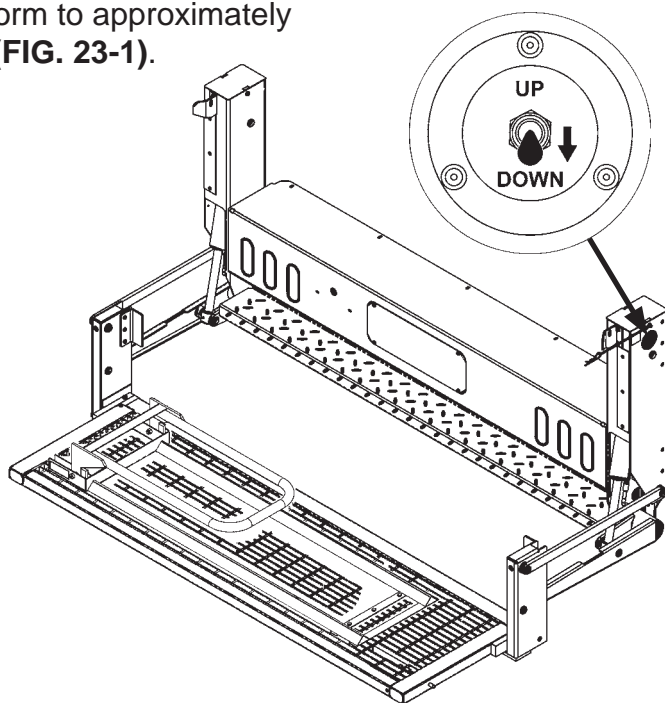


POWER LIFTGATE OFF
FIG. 22-1

2. Liftgate is ready for transport.

USING THE (OPTIONAL) TIRE RACK

1. Lower platform to approximately knee level (**FIG. 23-1**).



**PLATFORM LOWERED TO KNEE LEVEL
(BAR GRATE PLATFORM SHOWN)**

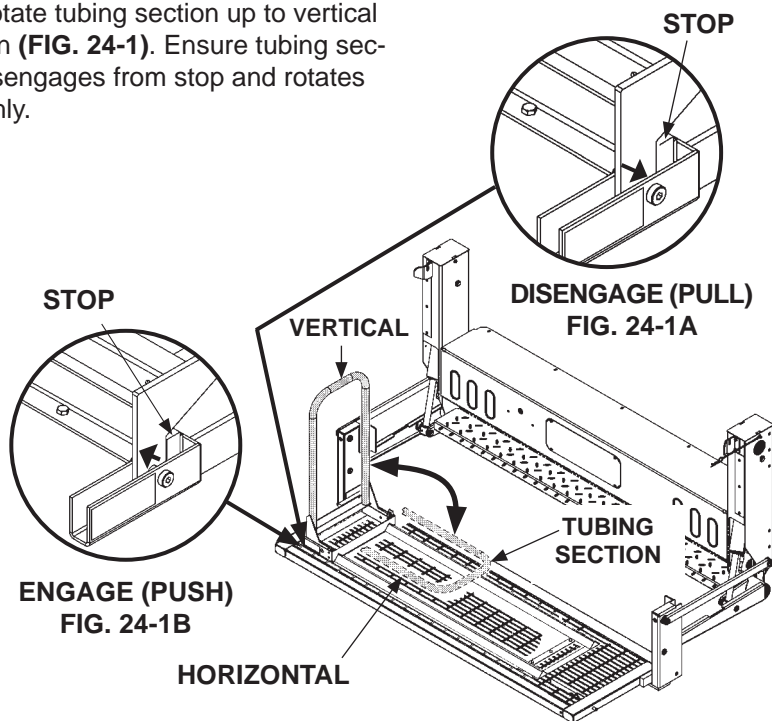
FIG. 23-1

OPERATING INSTRUCTIONS - Continued

USING THE (OPTIONAL) TIRE RACK - Continued

NOTE: The tubing section of tire rack must be disengaged from stop to rotate the tubing to up and down positions.

2. Pull tubing section of the tire rack to release from stop (**FIGS. 24-1 and 24-1A**). Then rotate tubing section up to vertical position (**FIG. 24-1**). Ensure tubing section disengages from stop and rotates smoothly.



**UNFOLDING & FOLDING TUBULAR SECTION
(BAR GRATE PLATFORM SHOWN)
FIG. 24-1**

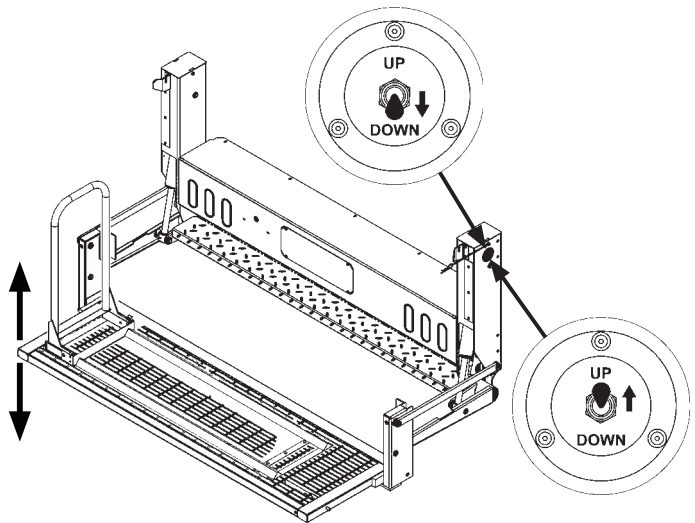
3. Rotate tubing section down to horizontal position. Push tubing section of the tire rack to engage the stop (**FIGS. 24-1 and 24-1B**). Ensure tubing section rotates smoothly and engages the stop.

WARNING

To prevent accidental personal injury and equipment damage ensure:

- Tire rack is unfolded before loading tires.
- Tires being loaded on the platform are not too large to fit on platform.
- Tires fit securely between frame angles of the tire rack.
- Load of tires does not exceed weight capacity of liftgate and vehicle.
- Platform is unloaded, tire rack folded & platform stowed before driving the vehicle.

3. Lower platform to the ground to load tires on the tire rack (**FIG. 25-1**), or raise platform to bed height to unload tires from vehicle body. **Refer to detailed operating instructions, WARNINGS, and CAUTIONS in this manual.**



**LOWERING & RAISING PLATFORM TO
LOAD TIRES ON THE TIRE RACK
(BAR GRATE PLATFORM SHOWN)
FIG. 25-1**

OPERATING INSTRUCTIONS - Continued

USING THE (OPTIONAL) TIRE RACK - Continued

NOTICE

Before stowing platform, fold tire rack and ensure platform is unfolded to raise platform to bed height. Fold platform only at bed height. Failure to follow these instructions can result in damage to this equipment.

4. When tire rack is not being used or before stowing platform, fold tubing section to horizontal position and engage with stop (**FIG. 26-1**). Comply with instructions on the tire rack decals (**FIG. 26-1A**).

NOTICE

Before stowing platform, fold tire rack & ensure platform is unfolded to raise platform to bed height. Fold platform only at bed height. Failure to follow these instructions can result in damage to this equipment.

FIG. 212438-01

**TIRE RACK DECAL
(2 PLACES)
FIG. 26-1A**

