

M-21-02

REV. A

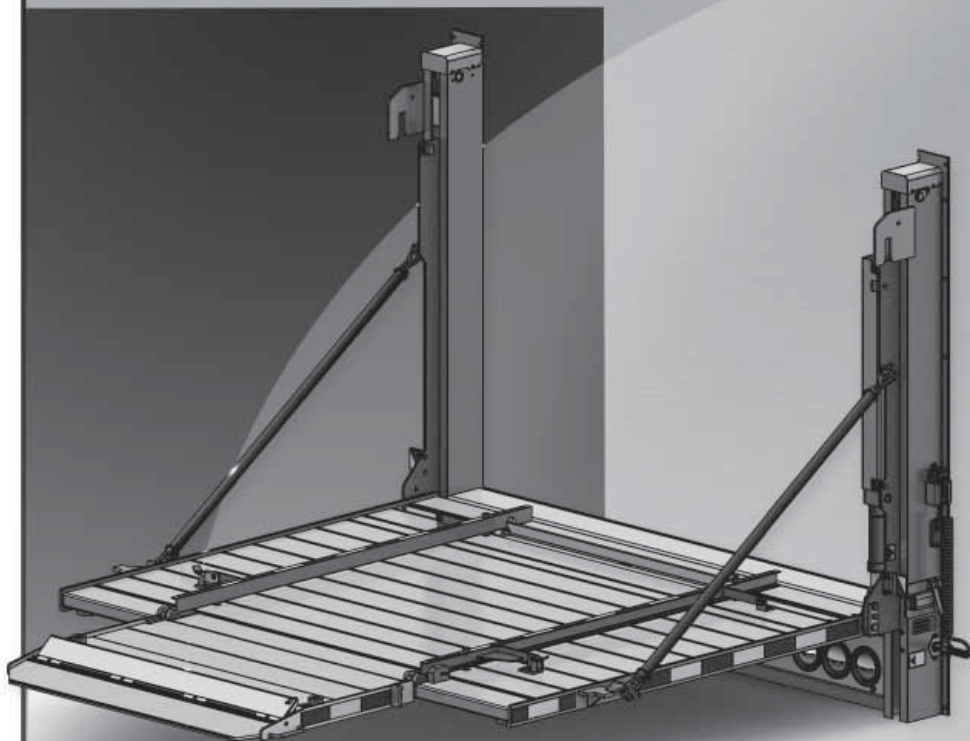
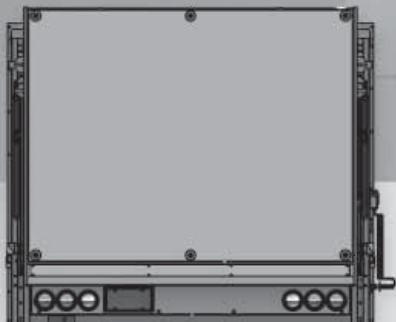
SEPTEMBER 2025

# MAXON<sup>®</sup>

TOOL TRUCK

## DMD-22

### OPERATION MANUAL



### KEEP THIS MANUAL INSIDE OF VEHICLE

Register your liftgate online at <http://www.maxonlift.com/support/product-registration>. For a free copy of other manuals that pertain to these liftgate models, please visit our website at [www.maxonlift.com](http://www.maxonlift.com) or call Customer Service at (800) 227-4116.

To find **maintenance & parts** information for your **Tool Truck DMD Liftgate**, go to [www.maxonlift.com](http://www.maxonlift.com). Click the **PRODUCTS, RAILIFT & DMD** buttons. Open the **Maintenance Manual** in the **PRODUCT DOCUMENTATION** window. For parts, click on the **PARTS PORTAL, RAILIFT & DMD** buttons.



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# SUMMARY OF CHANGES: M-21-02 REVISION A

PAGE	DESCRIPTION OF CHANGE
COVER	Updated cover image, REV. and date.
	The platform latch system changed and transit hooks were eliminated throughout the manual. New slide bars also shown on the LH and RH rails.
9-10	Changed decal sheet to P/N 212569-01. The new latch system and slide bars are shown on operating instructions in decal A. The WARNING, CAUTION, and SAFETY INSTRUCTIONS decals became part of decal A. The "Align arrows" decal became decal B.
13	Updated unfolding platform procedure to show RH and LH platform slide bar operation.
17, 22, 27	Updated rear guide rail operation.
18, 19, 20, 21, 24, 25	Updated rear cart stop operation.
30-31	Updated stowing platform procedure to show RH and LH platform slide bar operation.

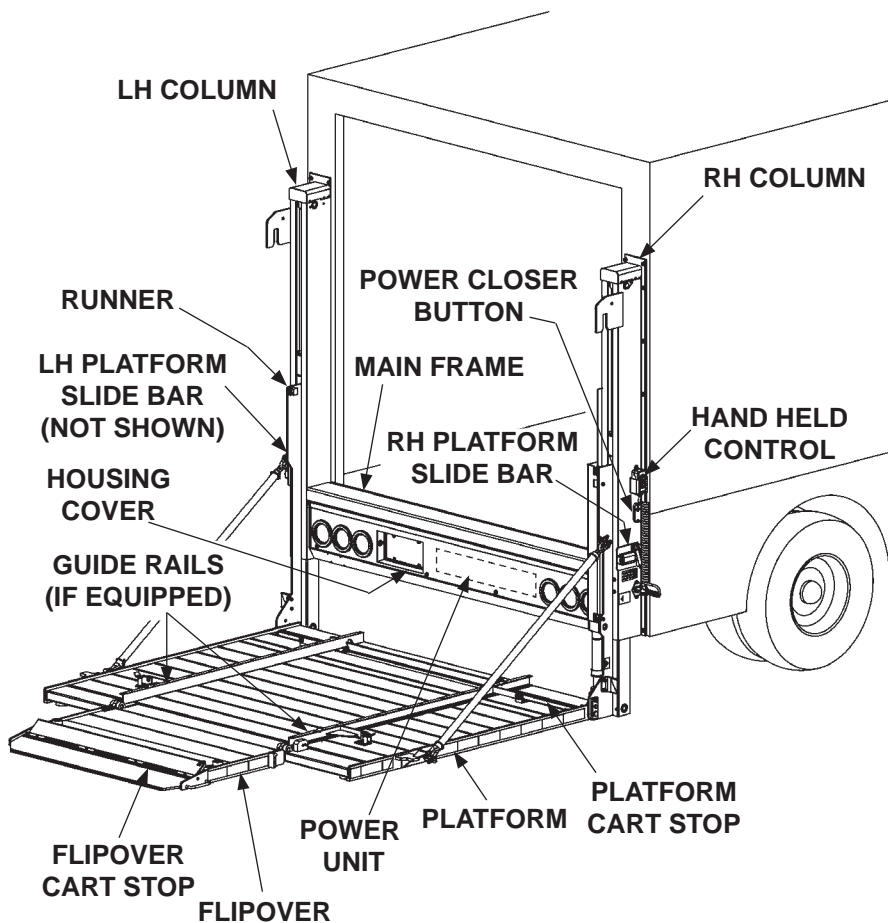
## **WARNING**

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 or children 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 2200 lb for Tool Truck DMD-22 Liftgate**.
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 lowered and 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.

# 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 batteries are fully charged, battery terminal connections are clean and tight, and battery box is undamaged.
- Make sure cab cutoff switch is **ON**, if equipped.
- Visually check that main frame housing cover is bolted on securely and undamaged. Look for hydraulic fluid leaks from main frame and columns.
- Follow the visible routing of hydraulic hoses from cylinders to main frame housing . Make sure all hoses are connected at both ends and there are no cracks, chafing, and fluid leaks.
- Visually check that handheld and power opener 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.

## Use the operation instructions in this manual to unfold the platform.

- Position top surface of platform at vehicle bed level. Check if platform surface is even with liftgate main housing across the width of the platform. If platform is uneven, press **RAISE** button on control switch until platform stops. Hold for 10 seconds more to get platform even.
- Check for smooth operation as platform unfolds and as runners lower the platform to the ground.
- Check main frame housing, columns, runners and platform openers for cracks and bends. Make sure platform chains are undamaged and connected securely at both ends. Also, make sure all bolts and pins are in place and undamaged.
- Check platform and flipover for cracks, holes, and bends on the load-carrying surfaces and side plates. Also, make sure carts stops and guide rails are undamaged and are not missing parts.

# RECOMMENDED DAILY OPERATION CHECKS - Continued

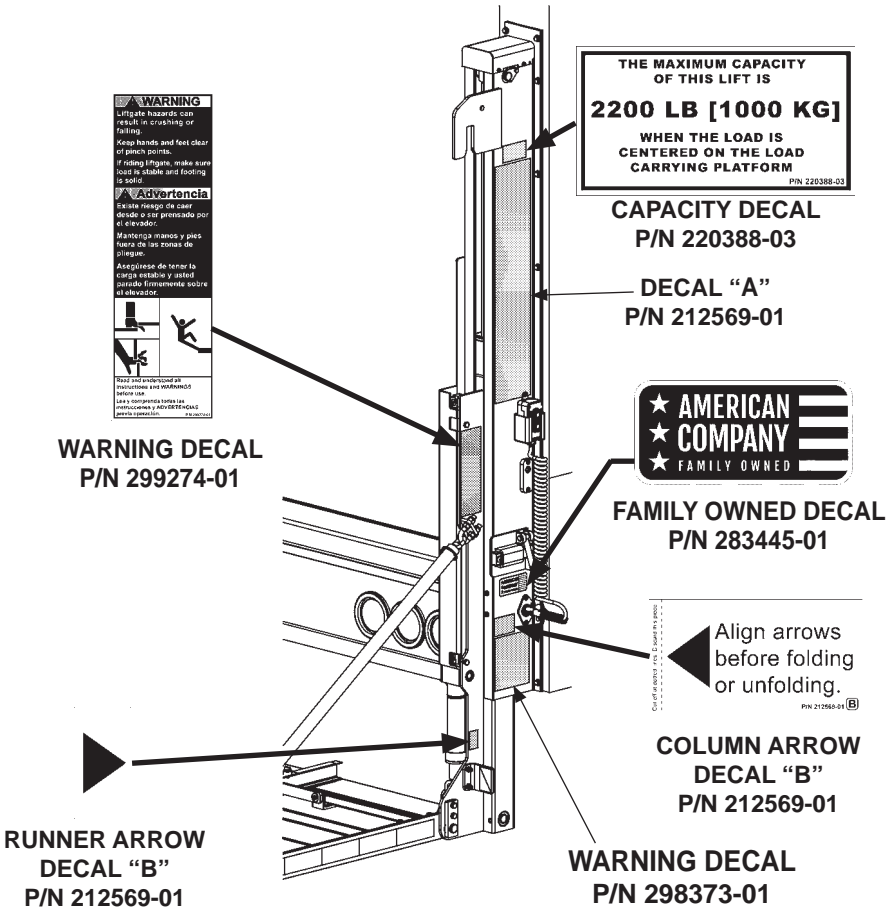
Use the operation instructions in this manual to operate the Liftgate through one cycle without a load on the platform. Raise the platform to vehicle bed height. Next, lower the platform to ground level.

- 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”.
- With platform at bed height, make sure the LH and RH platform chains feel even in tightness.
- Guide rail(s) release, rotate smoothly, and remain in positions until intentionally moved.
- Carts stops release, open, and close smoothly and remain so until intentionally opened or stowed.

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

# DECALS

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



# DECALS - Continued

**CAUTION**

**Always stand clear of platform area.**

**WARNING**

Liftgate hazards can result in crushing or falling.

Keep hands and feet clear of pinch points.

If riding liftgate, make sure load is stable and footing is solid.

Read and understand all instructions and WARNINGS before use.

**WARNING**

Read this information carefully.

- \* If illegal operation of this liftgate can cause an injury, accompanied by a photo, do not have a copy of the operating instructions placed within reach from your operating position, or before you leave the vehicle.
- \* If there are any signs of hydraulic maintenance, such as leaks, or missing hydraulic fluid, do not use the liftgate until these areas have been corrected.
- \* If you are using a pallet fork, be sure it can be moved safely.
- \* Do not accelerate suddenly on the platform.
- \* Do not allow any part of your or your feet's body to be placed under within 24 inches (610 mm) of the safety rollers in the frame or in a position that would trap them from between the platform and the frame or truck when the liftgate is lowered.
- \* If a hazard or risk to the platform user is made sure you are always going to safety and that you are not in danger of coming in contact with any moving or rotating machinery.

**USE GOOD COMMON SENSE**

- \* If load appears to be unstable, do not lift or lower it.

For more information, visit the website at the main right, a page of the website: [www.mitsubishiforklift.com](http://www.mitsubishiforklift.com)

**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 understand both the operating instructions.
2. Be certain vehicle is properly and securely braked before using the liftgate.
3. Always inspect the liftgate for wear/tear and/or damage before every use. 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. If the liftgate is damaged for loading and unloading of cargo only. Do not use the liftgate for anything but its intended use.

**OPERATING INSTRUCTIONS**

Scan this QR code to see operation manual or video.

**OPERATE**

1. Raise rollers off the LH side bars.
2. Rotate RH stop up.
3. Push for slide bar in.
4. Rotate stop down.
5. Repeat for LH side bar.

**UNFOLD**

Lower platform until arrows are aligned.

To unfold platform: Push power closer button & lower button at same time.

**DISCH & UNFOLD FLIPPER**

Roller / lower platform to load & unload vehicle.

**RAISE**

Ensure platform is unclamped. Front & back flipper if equipped.

Raise platform until arrows are aligned.

To fold platform: Push power closer button & raise button at same time.

Raise platform to lift Platform.

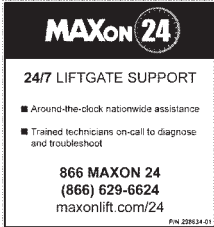
1. Rotate RH stop up.
2. Pull for slide bar out.
3. Rotate stop down.
4. Repeat for LH side bar.

Fig 2-20084-1 A

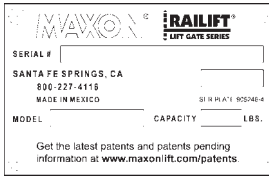
**DECAL SHEET**  
**P/N 212569-01 DECAL A**

# 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.



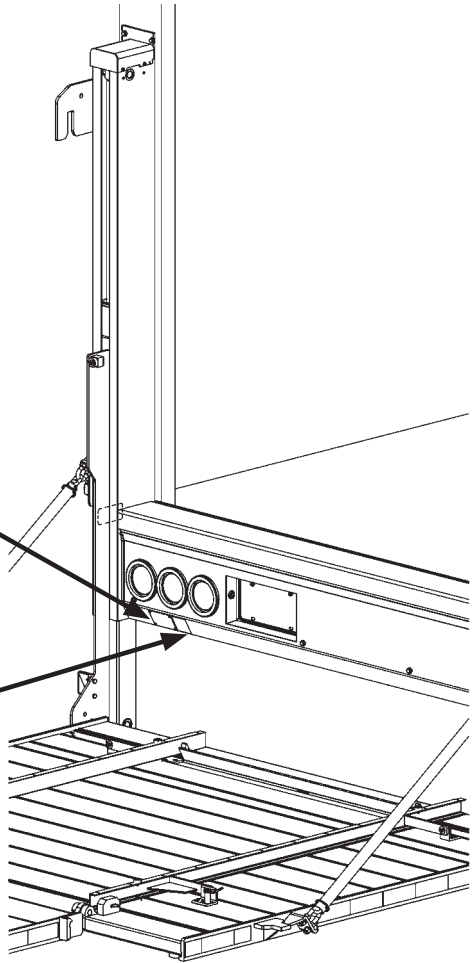
**MAXON 24/7  
SUPPORT DECAL  
P/N 298634-01**



**SERIAL PLATE  
(REF)**



**PARTS QR CODE  
DECAL  
P/N 299143-01**



**FIG. 11-1**

# FORKLIFT ADVISORY

**⚠ WARNING**  
Keep forklift OFF of platform.

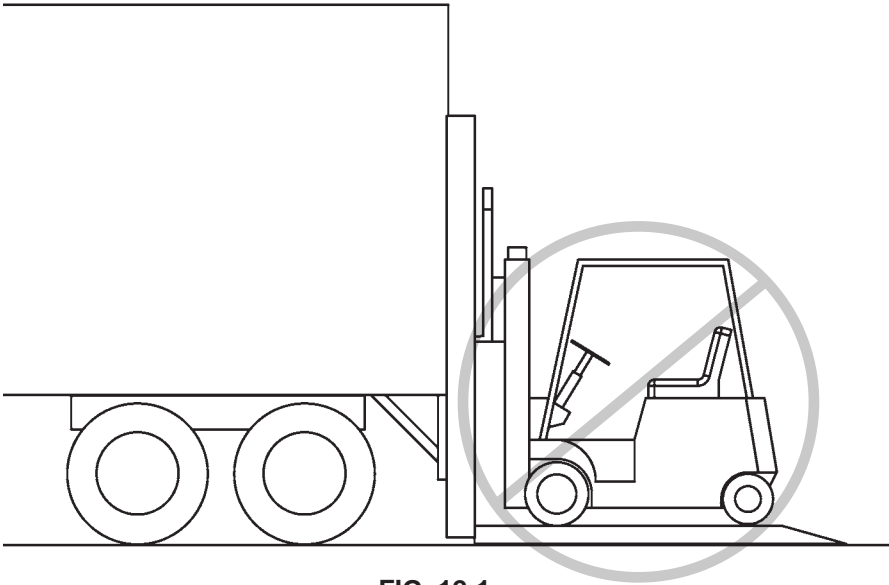


FIG. 12-1

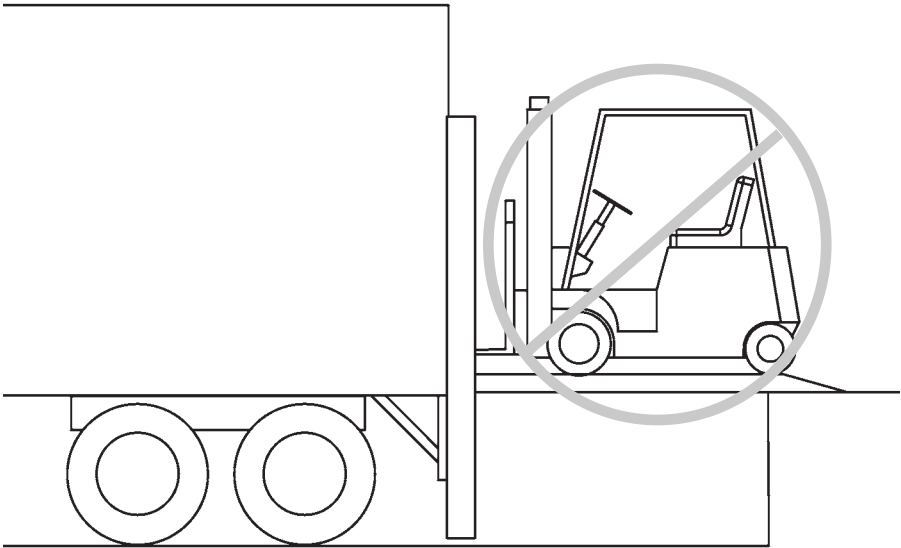


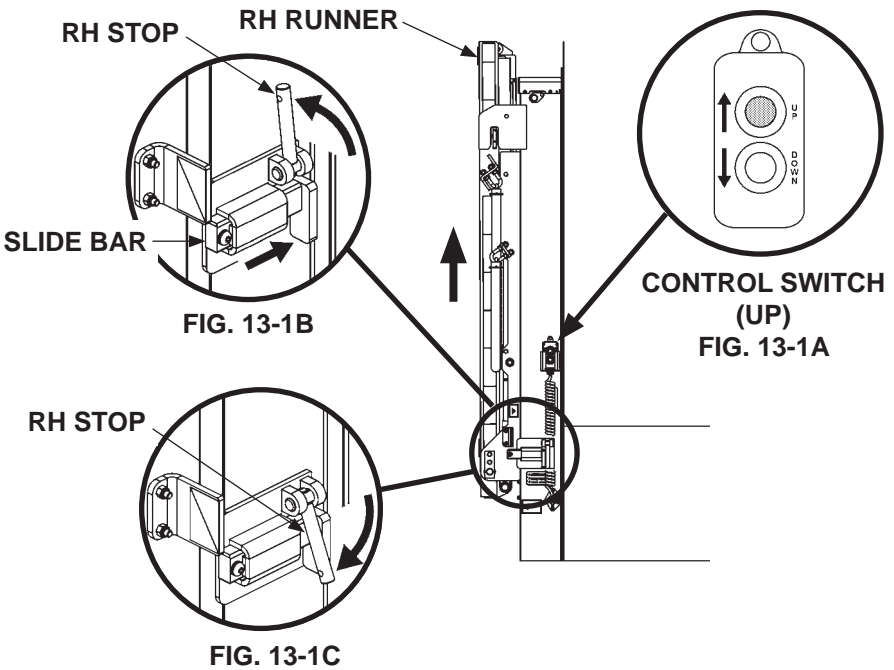
FIG. 12-2

# OPERATION

## UNFOLDING THE PLATFORM

**NOTE:** Do **RECOMMENDED DAILY OPERATION CHECKS** at the beginning of this manual.

1. Raise runners off RH and LH slide bars by pushing the control switch **UP** button (FIGS. 13-1 and 13-1A). Rotate RH stop **UP** and push slide bar in (FIGS. 13-1 and 13-1B). Next, rotate the RH stop **DOWN** (FIGS. 13-1 and 13-1C). Repeat for LH slide bar.



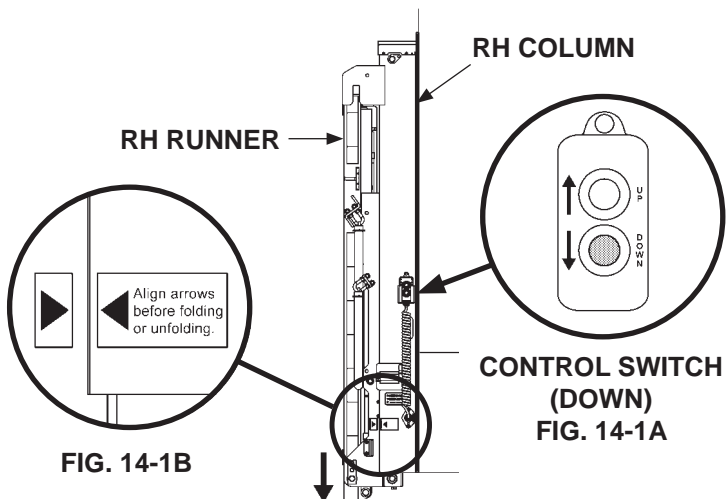
**RAISING RUNNERS OFF RH AND LH SLIDE BARS  
(RH SIDE SHOWN)**

**FIG. 13-1**

## OPERATION - Continued

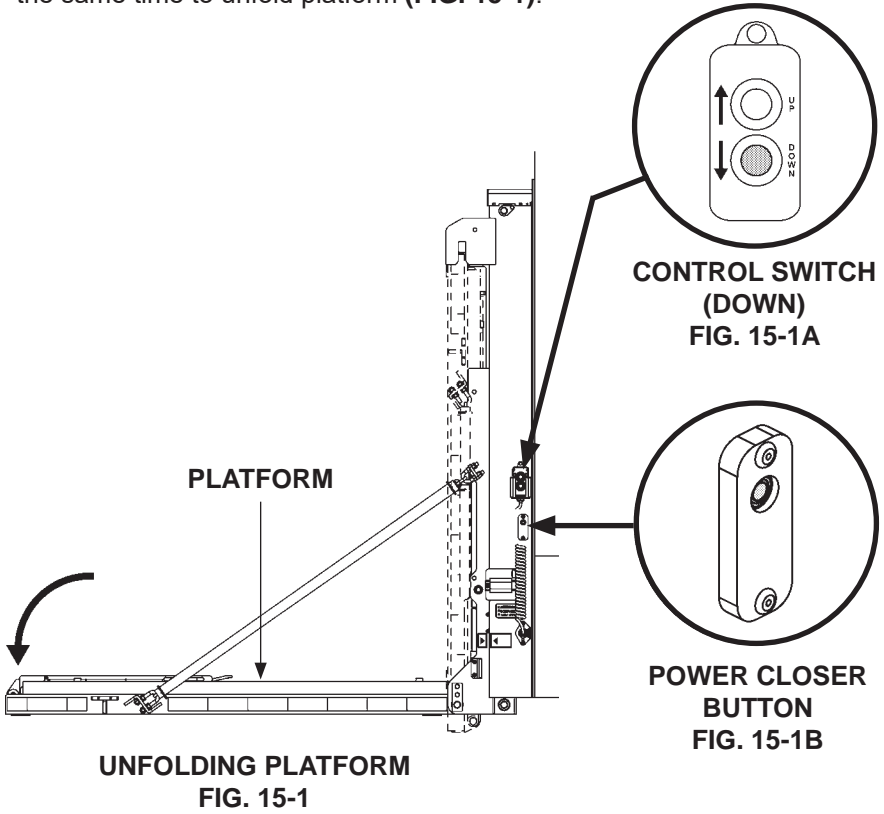
### UNFOLDING THE PLATFORM - Continued

2. Push control switch **DOWN** button (FIGS. 14-1 and 14-1A) to lower the platform until arrow decals align on column and runner (FIGS. 14-1 and 14-1B).



**LOWERING PLATFORM TO ALIGN ARROWS**  
**FIG. 14-1**

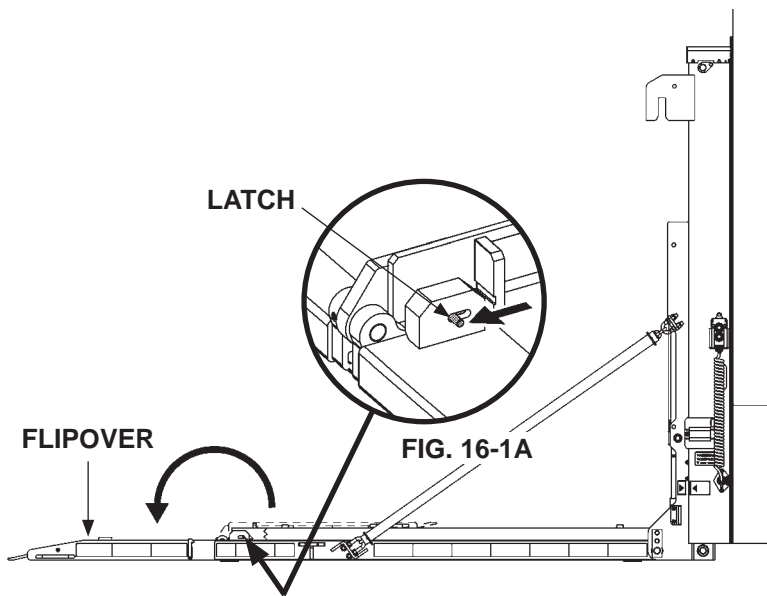
3. Hold **POWER CLOSER** button and control switch **DOWN** button (**FIGS. 15-1A and 15-1B**) at the same time to unfold platform (**FIG. 15-1**).



# OPERATION - Continued

## UNFOLDING THE PLATFORM - Continued

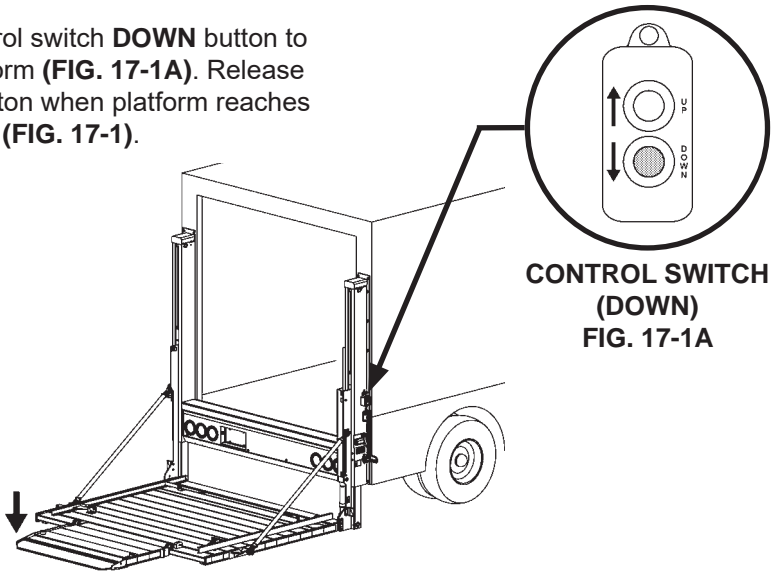
4. Push latch in direction of arrow to unlock and unfold flipover (FIGS. 16-1 and 16-1A).



UNFOLDING FLIPOVER  
FIG. 16-1

## LOADING VEHICLE LOWERING THE PLATFORM

Press control switch **DOWN** button to lower platform (**FIG. 17-1A**). Release **DOWN** button when platform reaches the ground (**FIG. 17-1**).



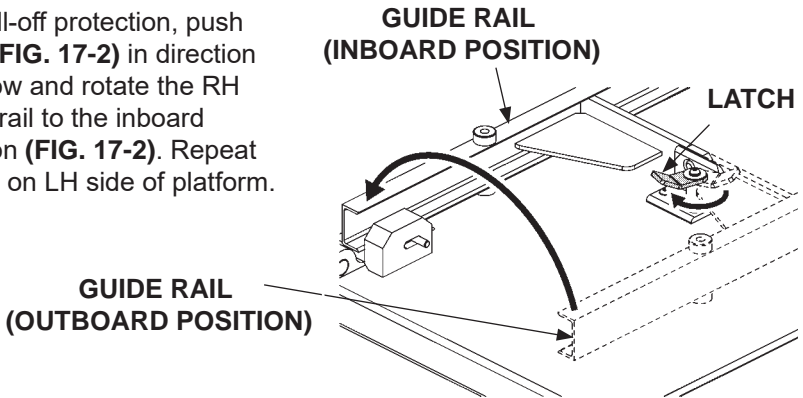
**FIG. 17-1**

## POSITIONING LOAD

### **⚠ 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 lifting capacity of Liftgate. If standing on platform, do not allow your feet to extend beyond inboard edge of platform.

1. For roll-off protection, push latch (**FIG. 17-2**) in direction of arrow and rotate the RH guide rail to the inboard position (**FIG. 17-2**). Repeat for rail on LH side of platform.



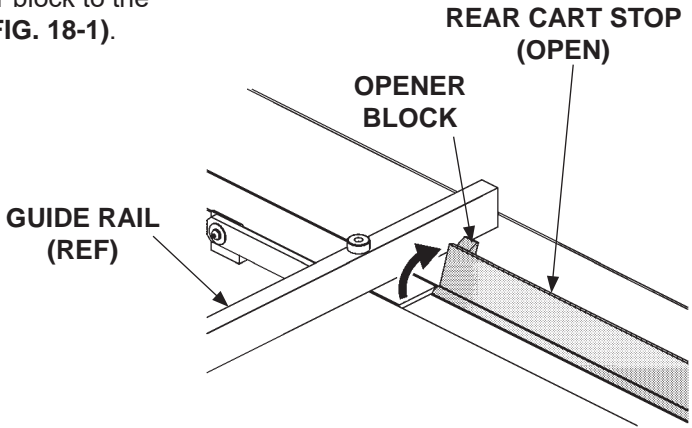
### **ROTATING GUIDE RAIL TO INBOARD POSITION (RH VIEW OF PLATFORM)**

**FIG. 17-2**

# LOADING VEHICLE - Continued

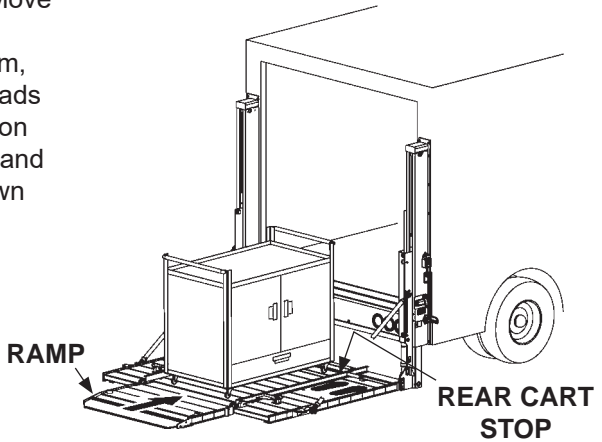
## POSITIONING LOAD - Continued

- Using your foot, push the rear cart stop opener block to the open position (**FIG. 18-1**).



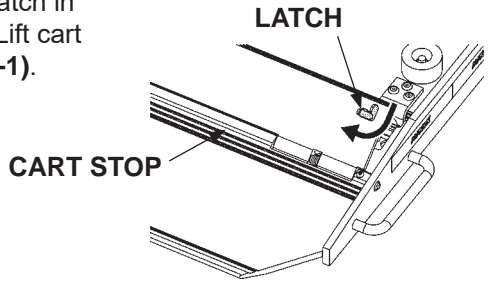
**OPENING REAR CART STOP**  
**FIG. 18-1**

- Place all loads against the rear cart stop, with heaviest part toward the truck body as shown in **FIG. 18-2**. Move loads across the ramp (**FIG. 18-2**) to the platform, but never rest or raise loads on the ramp. If standing on platform with the load, stand in the footprint area shown and comply with the preceding **WARNING**.



**LOADING PLATFORM AT GROUND LEVEL**  
**FIG. 18-2**

4. To open front cart stop, push latch in direction shown in **FIG. 19-1**. Lift cart stop to open position (**FIG. 19-1**).



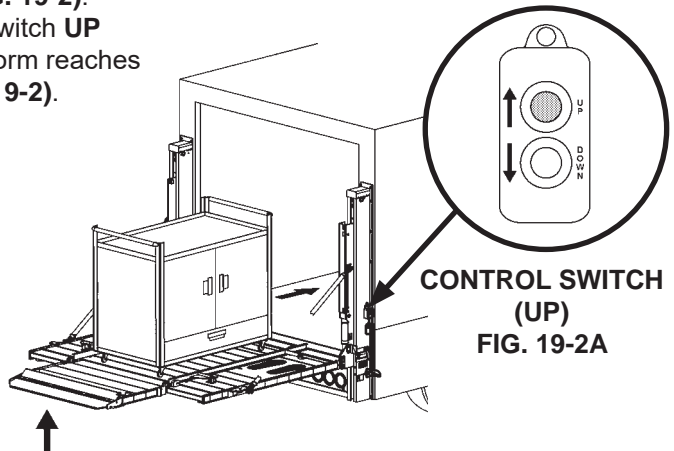
**OPENING FRONT CART STOP  
(RH VIEW OF FLIP OVER)  
FIG. 19-1**

## RAISING & UNLOADING PLATFORM

### **⚠ CAUTION**

**A cart stop can trip you when stepping over it. To prevent possible injury, get on the platform before putting the cart stop in open position.**

1. Press control switch **UP** button (**FIG. 19-2A**) to raise platform from ground level to bed height (**FIG. 19-2**). Release control switch **UP** button when platform reaches bed height (**FIG. 19-2**).

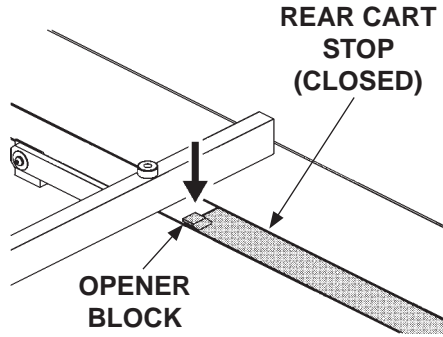


**MOVING LOAD INTO VEHICLE  
FIG. 19-2**

# LOADING VEHICLE - Continued

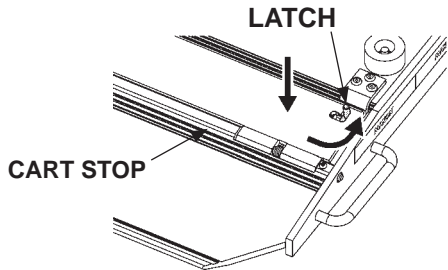
## RAISING & UNLOADING PLATFORM - Continued

- Using your foot, push the rear cart stop opener block to the closed position (**FIG. 20-1**).



**CLOSING REAR CART STOP**  
**FIG. 20-1**

- Carefully move the load into vehicle (**FIG.19-2**).
- To close front cart stop, push latch in direction shown in **FIG. 20-2**. Step on cart stop and push down into locked position. (**FIG. 20-2**).

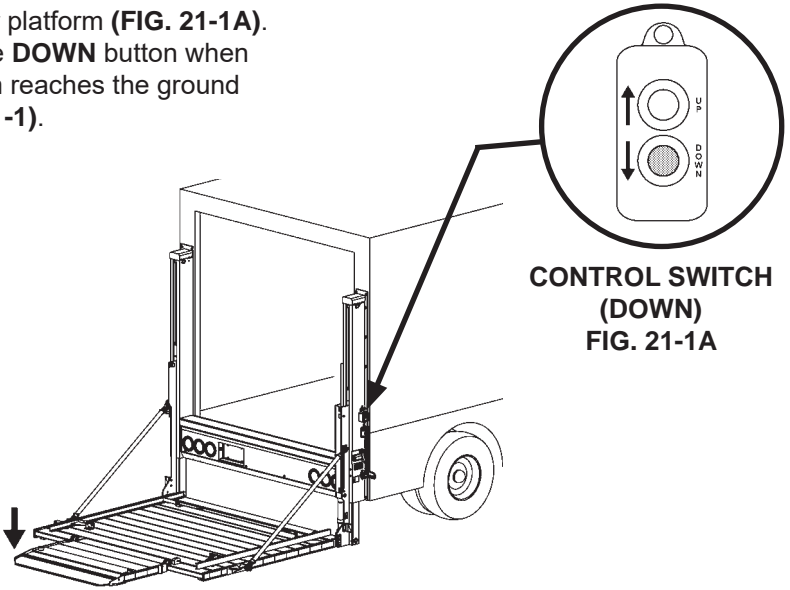


**CLOSING FRONT CART STOPS**  
**(RH VIEW OF FLIPOVER)**  
**FIG. 20-2**

- If there are more loads to put in vehicle, repeat the previous **LOADING VEHICLE** steps for each load. When loading is finished, use **STOWING PLATFORM** procedure in this manual.

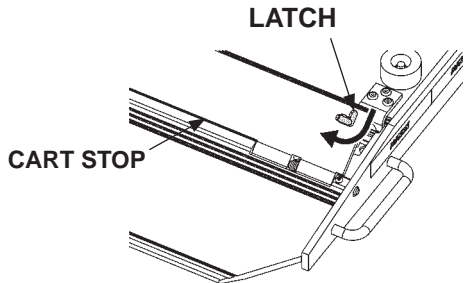
# UNLOADING VEHICLE POSITIONING LOAD

1. Press control switch **DOWN** button to lower platform (**FIG. 21-1A**). Release **DOWN** button when platform reaches the ground (**FIG. 21-1**).



**LOWERING PLATFORM  
FIG. 21-1**

2. To open front cart stop, push latch in direction shown in **FIG. 21-2**. Lift cart stop to open position (**FIG. 21-2**).

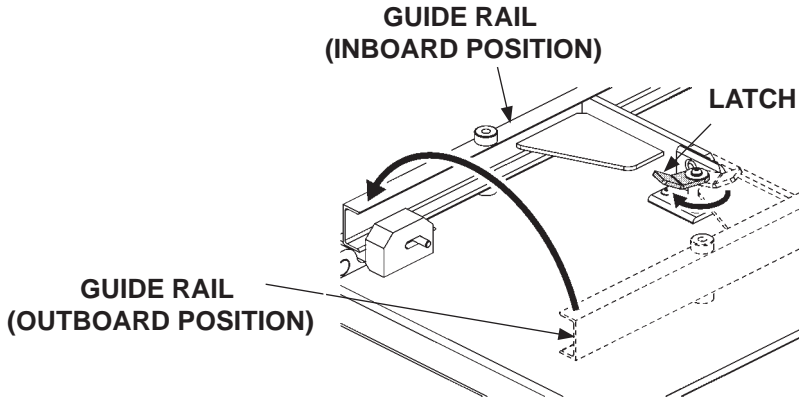


**OPENING FRONT CART STOP  
(RH VIEW OF FLIP OVER)  
FIG. 21-2**

## UNLOADING VEHICLE - Continued

### POSITIONING LOAD - Continued

3. For roll-off protection, push latch (**FIG. 22-1**) in direction of arrow and rotate the RH guide rail to the inboard position (**FIG. 22-1**). Repeat for rail on LH side of platform.



**ROTATING GUIDE RAIL TO INBOARD POSITION  
(RH VIEW OF PLATFORM)  
FIG. 22-1**

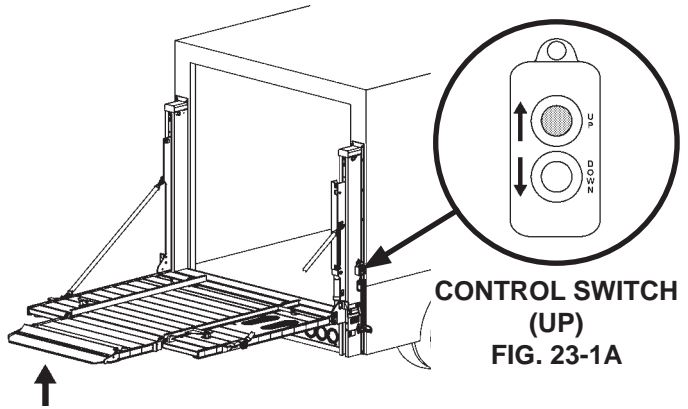
**⚠ WARNING**

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 lifting capacity of Liftgate. If standing on platform, do not allow your feet to extend beyond inboard edge of 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.

4. Press control switch **UP** button to raise platform to bed height (**FIGS. 23-1 and 23-1A**).

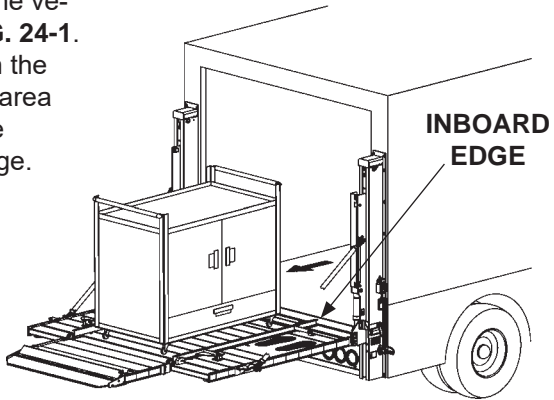


**RAISING PLATFORM TO BED HEIGHT  
FIG. 23-1**

## UNLOADING VEHICLE - Continued

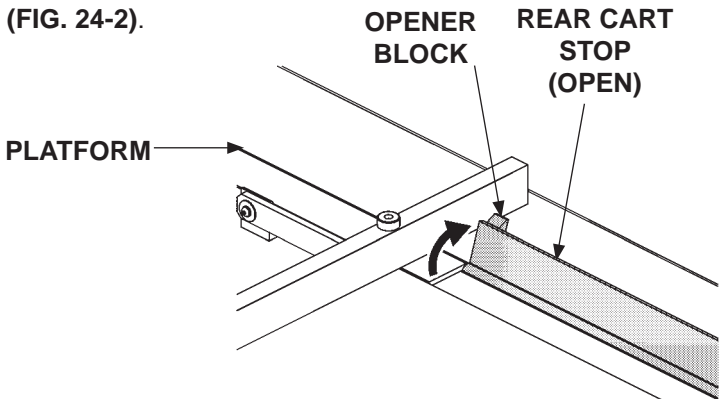
### POSITIONING LOAD - Continued

5. Load the platform at bed level (**FIG. 24-1**) 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. 24-1**. If standing on platform with the load, stand in the footprint area shown and comply with the **WARNING** on previous page.



**PUSHING LOAD ON PLATFORM**  
**FIG. 24-1**

6. Using your foot, push the rear cart stop opener block to the open position (**FIG. 24-2**).



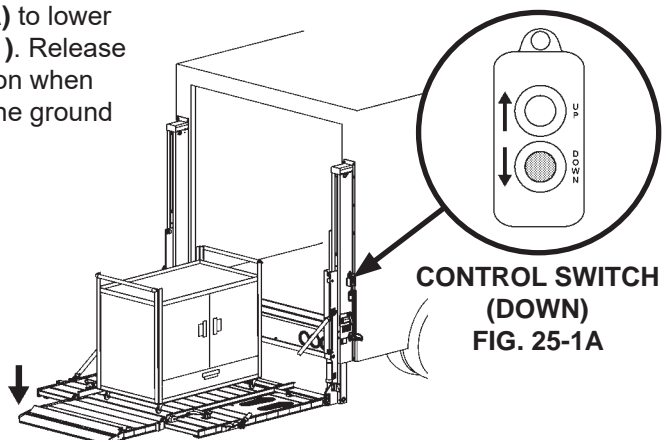
**OPENING REAR CART STOP**  
**FIG. 24-2**

## LOWERING & UNLOADING PLATFORM

### **WARNING**

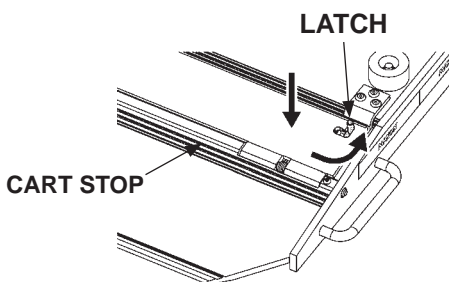
Before lowering platform, make sure area surrounding platform is clear of people and objects. If standing on platform, do not allow your feet to extend beyond inboard edge of platform.

1. Press control switch **DOWN** button (**FIG. 25-1A**) to lower platform (**FIG. 25-1**). Release control switch button when platform reaches the ground (**FIG. 25-1**).



**LOWERING PLATFORM TO GROUND LEVEL**  
**FIG. 25-1**

2. To close front cart stop, push latch in direction shown in **FIG. 25-2**. Step on cart stop and push down into locked position. (**FIG. 25-2**).

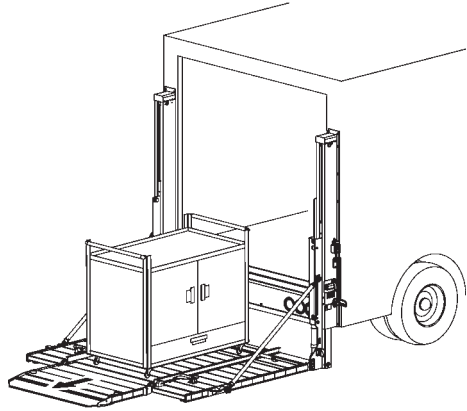


**CLOSING FRONT CART STOPS**  
**(RH VIEW OF FLIPOVER)**  
**FIG. 25-2**

## UNLOADING VEHICLE - Continued

### LOWERING & UNLOADING PLATFORM - Continued

3. Carefully move load off platform (**FIG. 26-1**) and then move it 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.

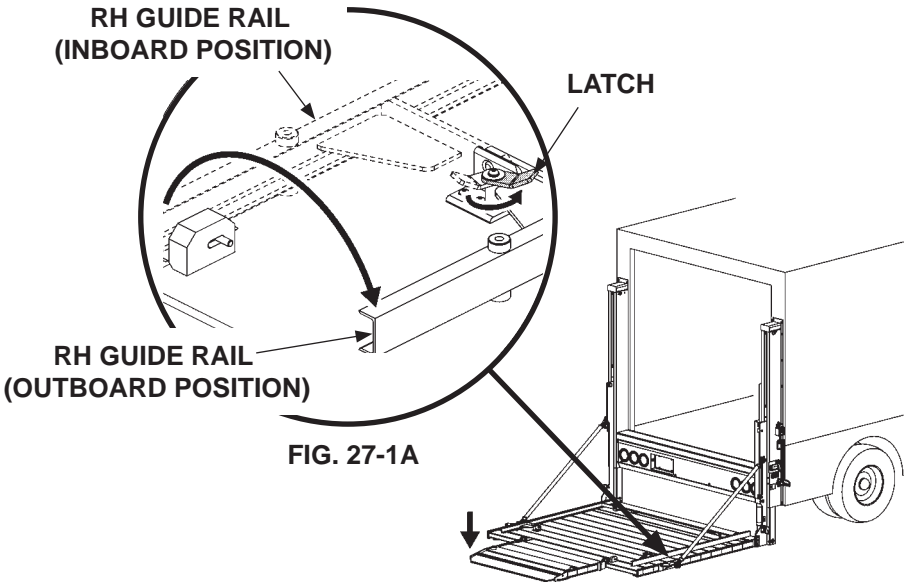


**MOVING LOAD OFF PLATFORM**  
**FIG. 26-1**

# STOWING PLATFORM

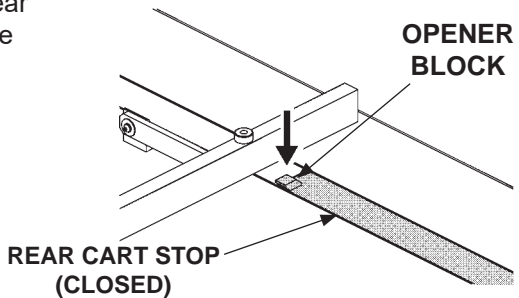
**NOTE:** Ensure platform is stowed under hydraulic pressure.

1. With platform on the ground (**FIG. 27-1**), push latch in direction of arrow and rotate the RH guide rail to the outboard position (**FIG. 27-1A**). Repeat for rail on LH side of platform.



**ROTATING GUIDE RAILS TO OUTBOARD POSITION  
FIG. 27-1**

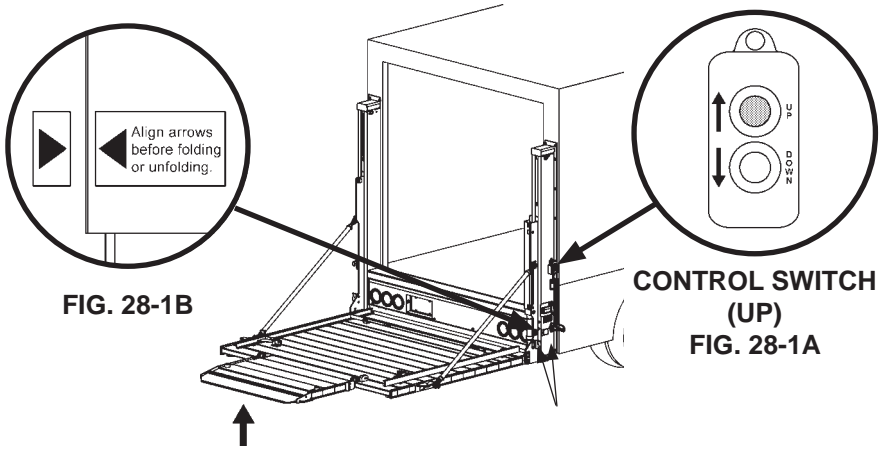
2. Using your foot, push the rear cart stop opener block to the closed position (**FIG. 27-2**).



**CLOSING REAR CART STOP  
FIG. 27-2**

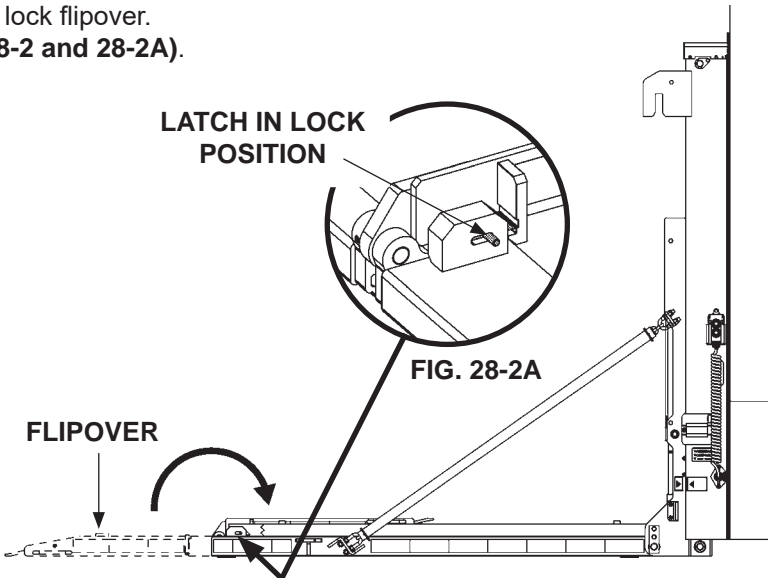
## STOWING PLATFORM - Continued

3. Press control switch **UP** button to raise platform until arrow decals are aligned on runner and column (**FIGS. 28-1, 28-1A and 28-1B**).



**ALIGN ARROW DECALS**  
**FIG. 28-1**

4. Fold and lock flipover. (**FIGS. 28-2 and 28-2A**).

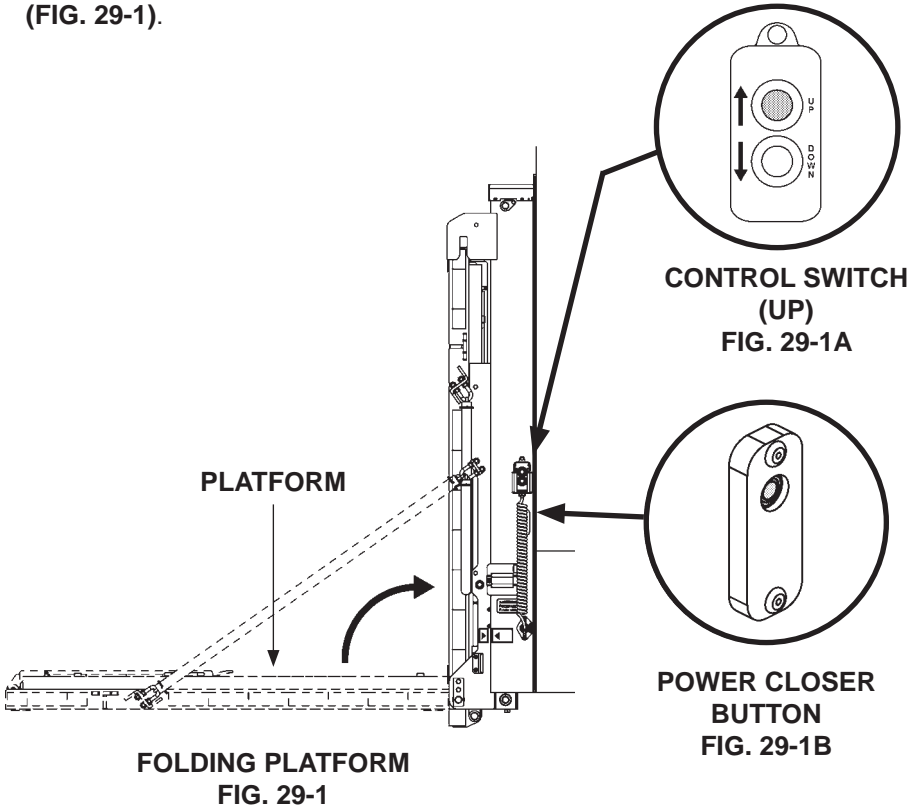


**FIG. 28-2**

**⚠ CAUTION**

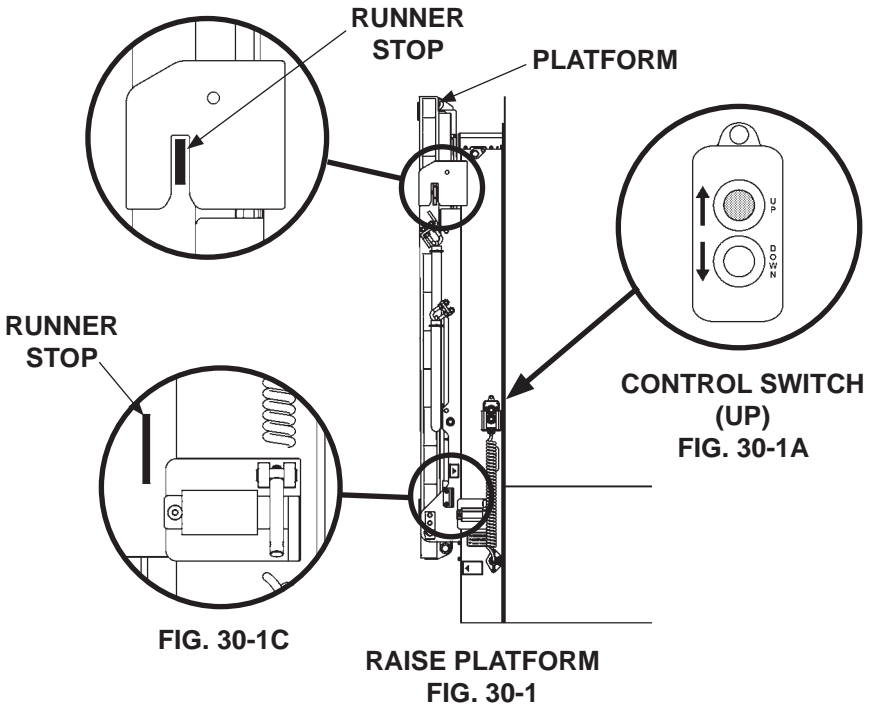
**Folding the platform with hydraulic closer requires 2 hands on the controls. This helps prevent injuries.**

- Using one hand for control switch (FIG. 29-1A) and one hand for **POWER CLOSER** button (FIG. 29-1B), press **POWER CLOSER** button and **UP** button together until platform is folded (FIG. 29-1).



## STOWING PLATFORM - Continued

6. Press control switch **UP** button to raise platform (**FIGS. 30-1 and 30-1A**).  
Final platform resting position is shown in **FIG. 30-1, 30-1B and 30-1C**.



7. Rotate platform stop **UP** (FIGS. 31-1 and 31-1A). Next, pull RH slide bar **OUT** and rotate platform stop **DOWN** to secure platform in stow position (FIGS. 31-1 and 31-1B). Repeat for LH platform slide bar.

