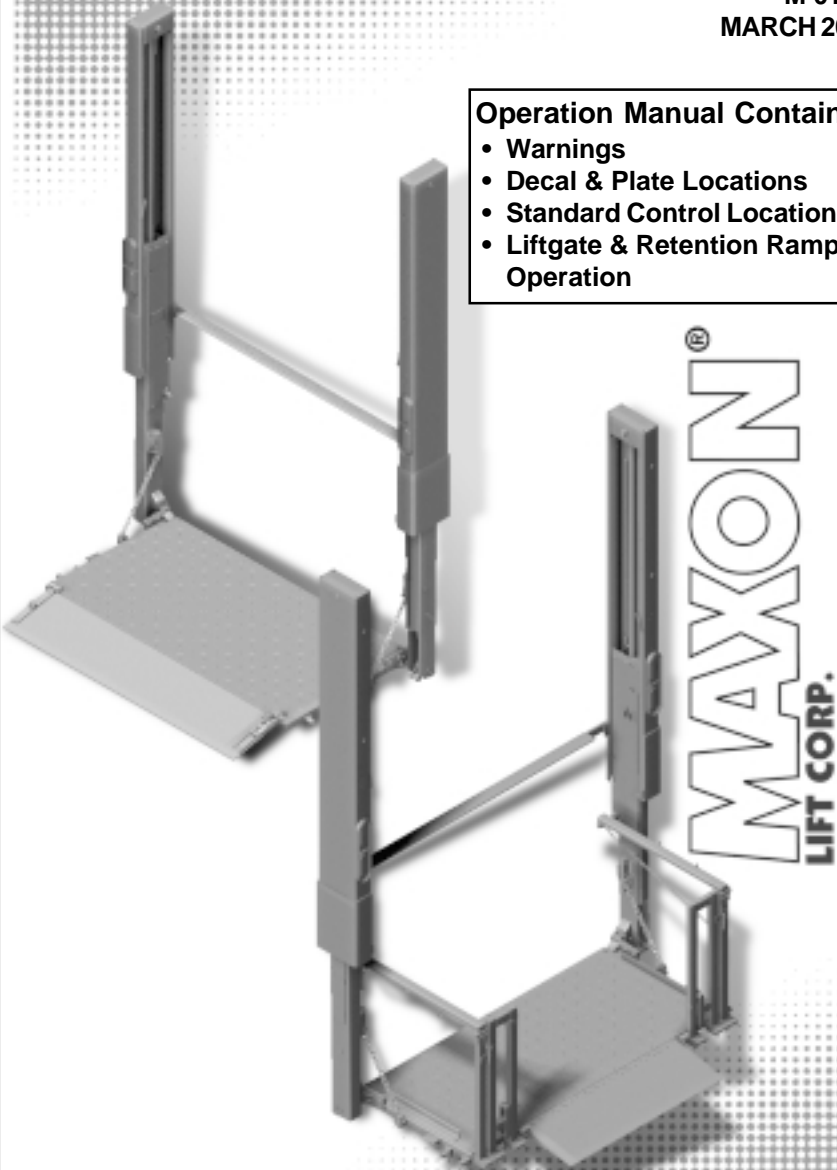


KEEP THIS MANUAL IN VEHICLE CAB

M-01-23
MARCH 2002

Operation Manual Contains:

- Warnings
- Decal & Plate Locations
- Standard Control Locations
- Liftgate & Retention Ramp Operation



MAXON[®]
LIFT CORP.

**BMR-A-ONE PIECE
BMR-A-CS
OPERATION MANUAL**

© MAXON Lift Corp. 2001

TABLE OF CONTENTS

WARNINGS	Page 5
LIFTGATE DECALS AND PLATES	Page 6
STANDARD CONTROL LOCATIONS	Page 8
FORKLIFT ADVISORY	Page 9
LOADING & UNLOADING VEHICLE	Page 10
OPENING THE PLATFORM	Page 11
LOWERING THE PLATFORM	Page 12
OPENING THE RETENTION RAMP (BMR-A-CS)	Page 13
OPENING THE RETENTION RAMP (BMR-A-ONE-PIECE)	Page 14
POSITIONING LOAD (BMR-A-CS)	Page 15
POSITIONING LOAD (BMR-A-ONE-PIECE)	Page 16
RAISING & UNLOADING PLATFORM	Page 17
RAISING THE PLATFORM TO UNLOAD VEHICLE	Page 19
POSITIONING LOAD FOR UNLOADING (BMR-A-CS)	Page 20
POSITIONING LOAD FOR UNLOADING (BMR-A-ONE-PIECE)	Page 21
LOWERING & UNLOADING PLATFORM (BMR-A-CS)	Page 22
LOWERING & UNLOADING PLATFORM (BMR-A-ONE-PIECE)	Page 23
STOWING PLATFORM	Page 24
DOCK LOADING & UNLOADING	Page 28
DOCK LOADING & UNLOADING (BMR-A-CS)	Page 29
DOCK LOADING & UNLOADING (BMR-A-ONE PIECE)	Page 33

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Do not exceed rated **load capacity** of the Liftgates which is **3500 lbs. for -35, 4400 lbs. for model -44.**
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 (all models), Platform is lowered closed (all models), and when Platform is lowered (Power Down models only). 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.

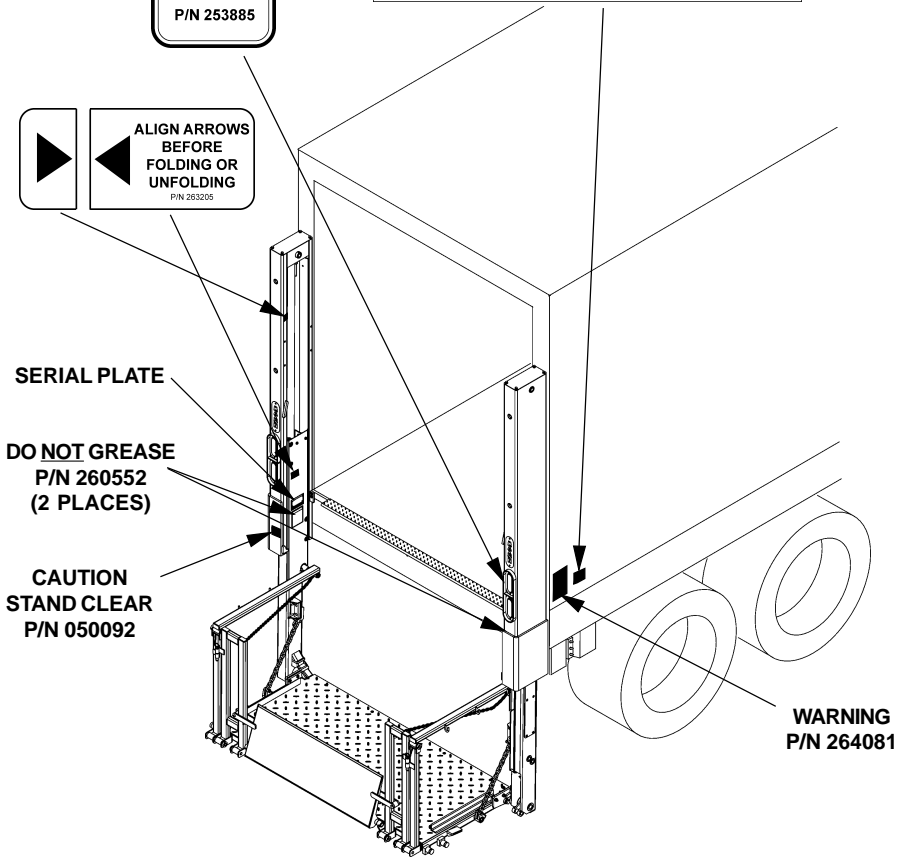
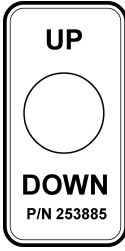
LIFTGATE DECALS AND PLATES

**THE MAXIMUM CAPACITY OF THIS LIFT
IS**

(See TABLE 1)

**WHEN THE LOAD IS
CENTERED ON THE LOAD
CARRYING PLATFORM**

P/N (See TABLE 1)



SERIAL PLATE

**DO NOT GREASE
P/N 260552
(2 PLACES)**

**CAUTION
STAND CLEAR
P/N 050092**

**WARNING
P/N 264081**

MAX. CAPACITY	PART NUMBER
3500 LBS.	220388-100
4400 LBS.	253155

TABLE 1



WARNING READ CAREFULLY



- Improper operation of this Lift can result in serious personal injury. Do not operate unless you have been properly instructed and have read, and are familiar with the operating instructions. If you do not have a copy of the instructions, please obtain them from your employer, distributor, or lessor, before you attempt to operate Lift.
- Be certain that the vehicle is properly and securely braked before using the Lift.
- Always inspect this Lift for maintenance or damage before using it. If there are signs of improper maintenance, damage to vital parts, or slippery Platform surface, do not use the Lift until these problems have been corrected.
- Do not overload the Lift. The load limit is based on evenly distributed cargo over the entire Platform surface. If you are using a pallet jack, be sure it can be maneuvered safely. Do not operate a forklift on the Platform or travel with the platform in an open position at any time.
- Load should be placed in a stable position close to the edge of the Platform nearest the truck. The heaviest portion of the load should never be placed beyond the center of the Platform away from the truck.
- Never allow yourself, a helper, or bystander to stand in a position where a falling load could land on either of you. Also 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.
- If a helper is riding the Platform with you, make sure you are both doing so safely and that you are not in danger of coming in contact with any moving or potentially moving obstacles. USE GOOD COMMON SENSE. If load appears to be unsafe, do not lift or lower it.

MAXON LIFT CORP.
PART NO. 264081

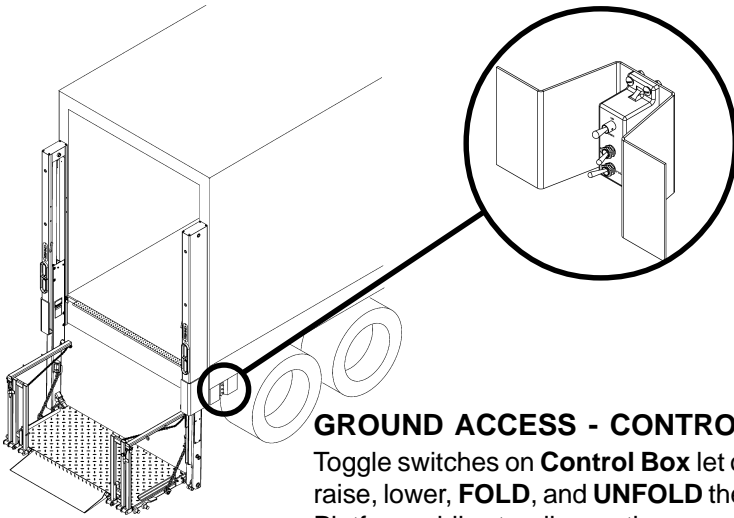
CAUTION
STAND CLEAR
WHEN OPERATING

50092

DO NOT
GREASE
COLUMNS

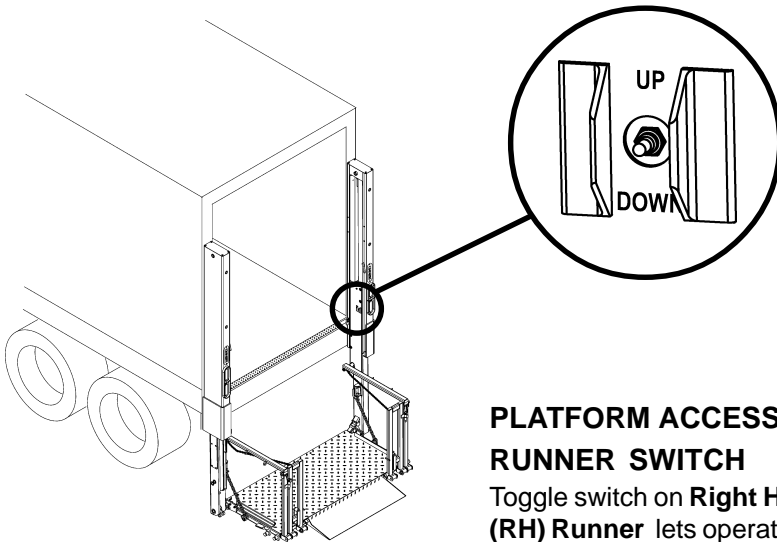
P/N 260552

STANDARD CONTROL LOCATIONS



GROUND ACCESS - CONTROL BOX

Toggle switches on **Control Box** let operator raise, lower, **FOLD**, and **UNFOLD** the Platform while standing on the ground at the curbside of vehicle.

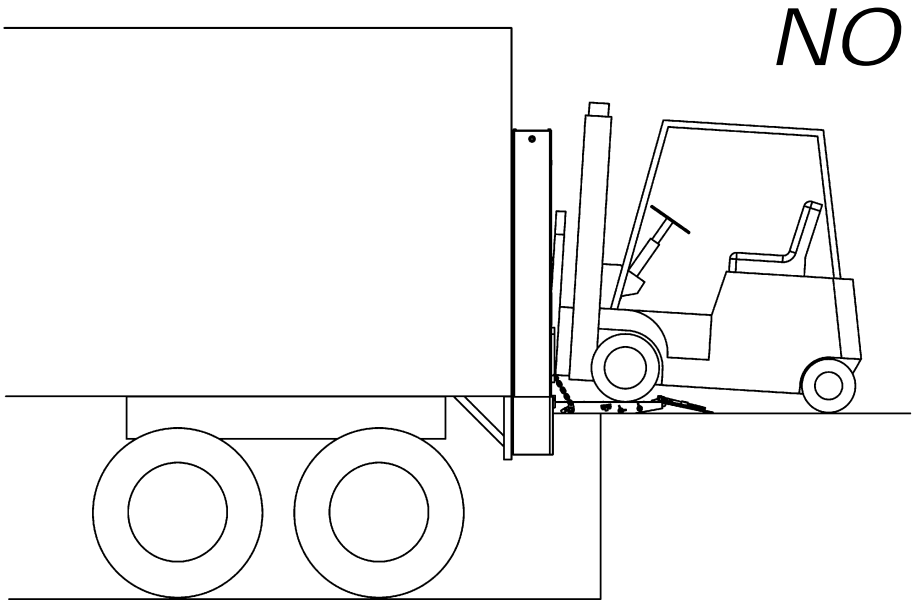
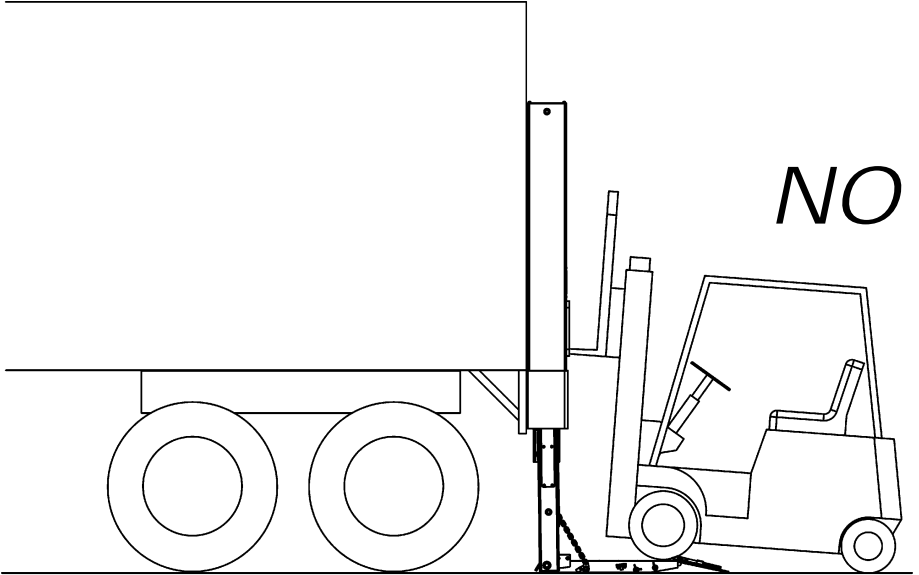


PLATFORM ACCESS - RUNNER SWITCH

Toggle switch on **Right Hand (RH) Runner** lets operator raise and lower the Platform, only. Switch stays within reach when operator rides Platform **UP** and **DOWN**.

FORKLIFT ADVISORY

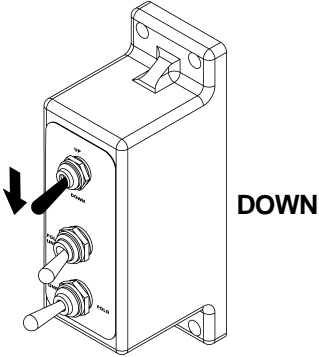
⚠ WARNING
Keep Forklift OFF of Platform.



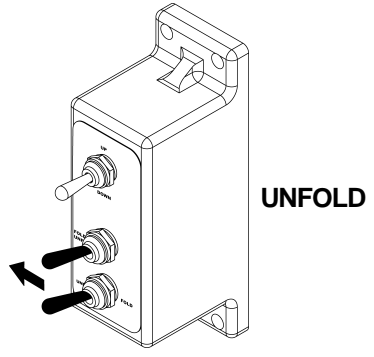
LOADING & UNLOADING VEHICLE

OPENING THE PLATFORM

Lower Platform (**FIG. 1A**) with toggle switch (**FIG. 1C**) until arrow decal on Left Hand (LH) Runner is lined up with arrow decal on LH Column (**FIG. 1B**). Use Control Box as shown in **FIG. 1D** to **UNFOLD** Platform (**FIG. 1A**). Release both switches when Platform reaches unfolded (horizontal) position.



**CONTROL BOX
FIG. 1C**



**CONTROL BOX
FIG. 1D**

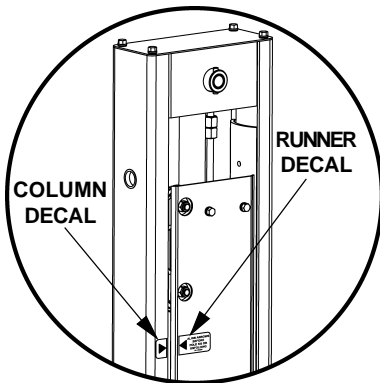


FIG. 1B

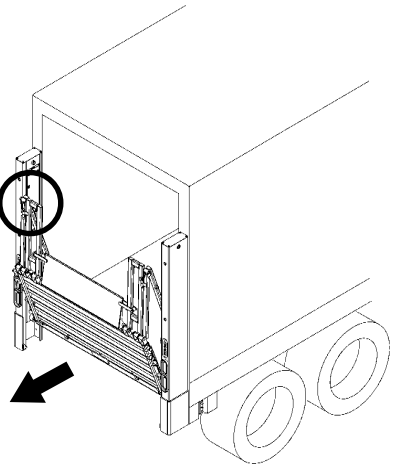
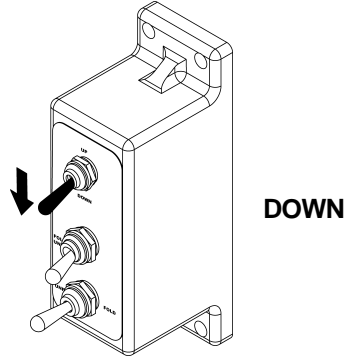


FIG. 1A

LOWERING THE PLATFORM

To lower Platform (**FIG. 2A**) to the ground, use Control Box as shown in **FIG. 2B**. Release toggle switch when Platform reaches the ground.



CONTROL BOX
FIG. 2B

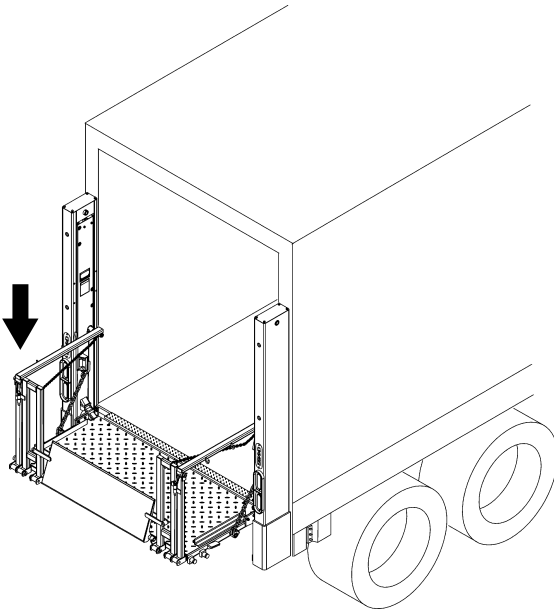


FIG. 2A

OPENING THE RETENTION RAMP (BMR-A-CS)

Rotate Locks (**FIG. 3A**) to release retention ramp. Unfold Ramp to the ground. (**FIG. 3B**).

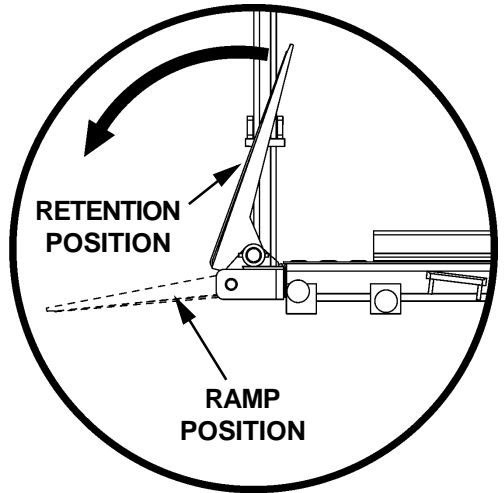


FIG. 3B

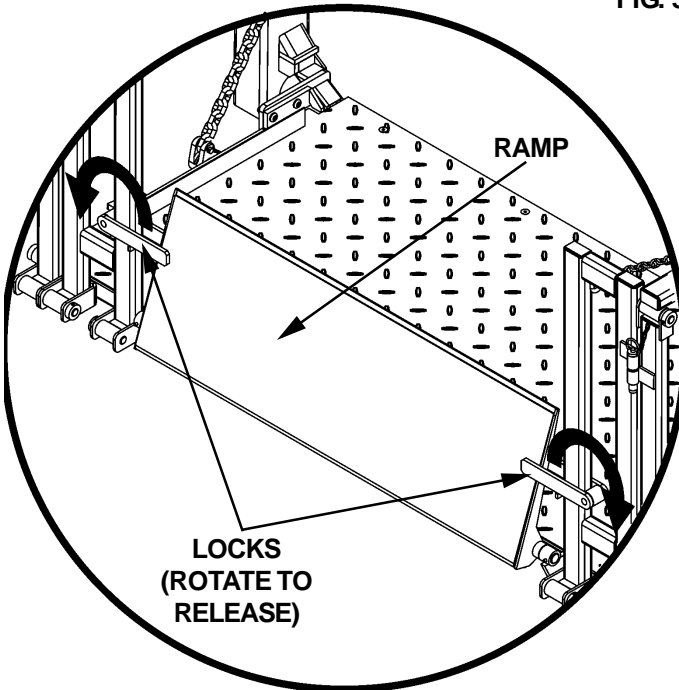
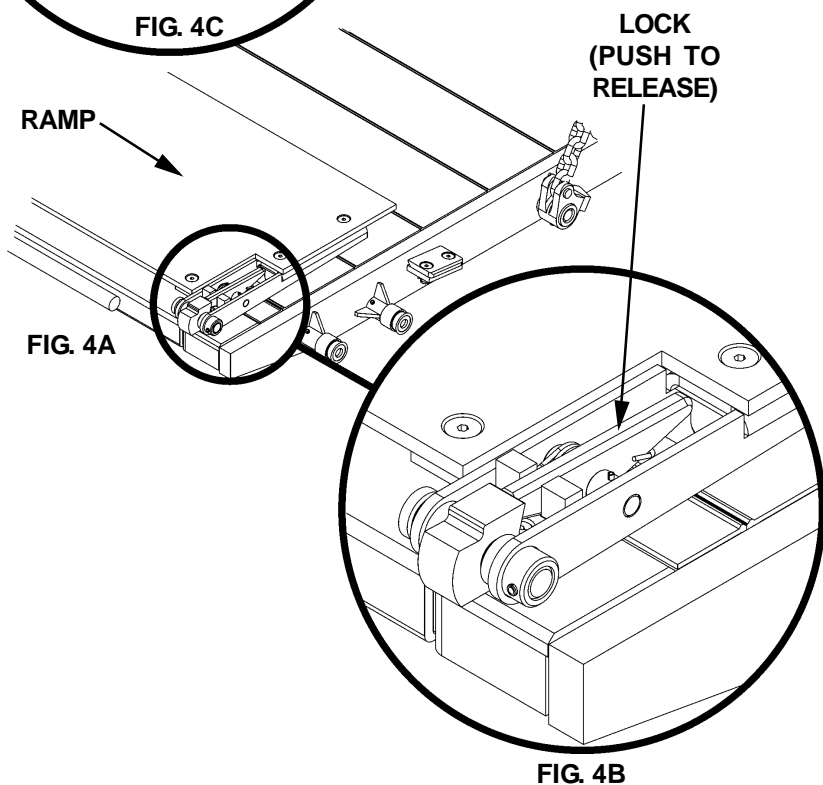
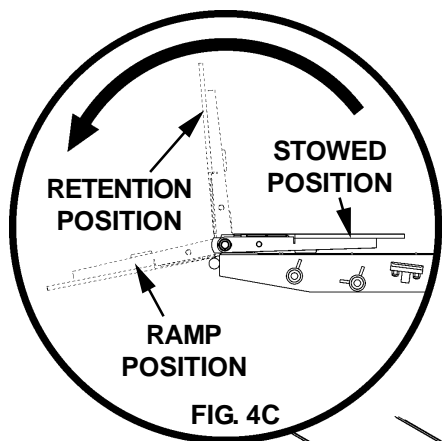


FIG. 3A

OPENING THE RETENTION RAMP (BMR-A-ONE-PIECE)

To unfold Retention Ramp, first push down on Ramp (**FIG. 4A**) to release tension on lock. Next, push down on lock (**FIG. 4B**), lift Ramp and release lock as you move Ramp to retention position (**FIG. 4C**). Ramp will lock in retention position. Unfold Ramp for unloading Platform by pushing lock and moving ramp toward the the ground. Release lock as you lower Ramp to ramp position as shown in **FIG. 4C**.

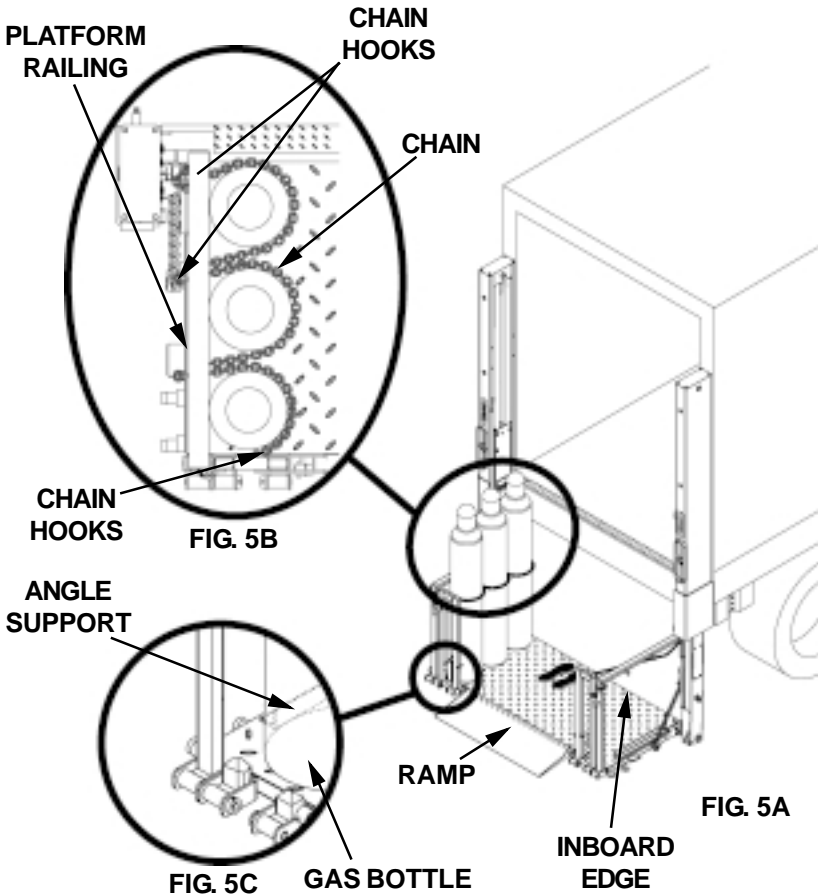


POSITIONING LOAD (BMR-A-CS)

⚠ WARNING

Moving platform can become a CRUSH HAZARD. If standing on platform, do not allow your feet to extend beyond inboard edge of platform. Never place unstable loads on platform and never allow load to extend past the edges of platform. Load must never exceed a maximum of 3 cylinders on each side of platform and must never exceed MAXIMUM CAPACITY shown on Liftgate decal.

Place all loads as close as possible to the inboard edge of the Platform with heaviest part toward the truck body as shown in FIG. 5A. Move loads across the ramp (FIG. 5A) to the Platform, but never rest loads on the ramp. Make sure gas bottles rest against Platform Railing (FIG. 5A) and Angle Support (FIG. 5C). Wrap chain around each gas bottle and hook onto Platform Railing as shown in FIG. 5B. If you need to stand on the platform with the load, stand in the footprint area shown and comply with preceding WARNING.



POSITIONING LOAD (BMR-A-ONE-PIECE)

WARNING

Moving platform can become a **CRUSH HAZARD**. If standing on platform, do not allow your feet to extend beyond inboard edge of platform. Never place unstable loads on platform and never allow load to extend past the edges of platform. Load must never exceed **MAXIMUM CAPACITY** shown on Liftgate decal.

Place all loads as close as possible to the inboard edge of the platform with heaviest part toward the truck body as shown in **FIG. 6**. Move loads across the ramp (**FIG. 6**) to the Platform, but never rest or raise loads on the ramp. If you need to stand on the platform with the load, stand in the footprint area shown and comply with the preceding **WARNING**.

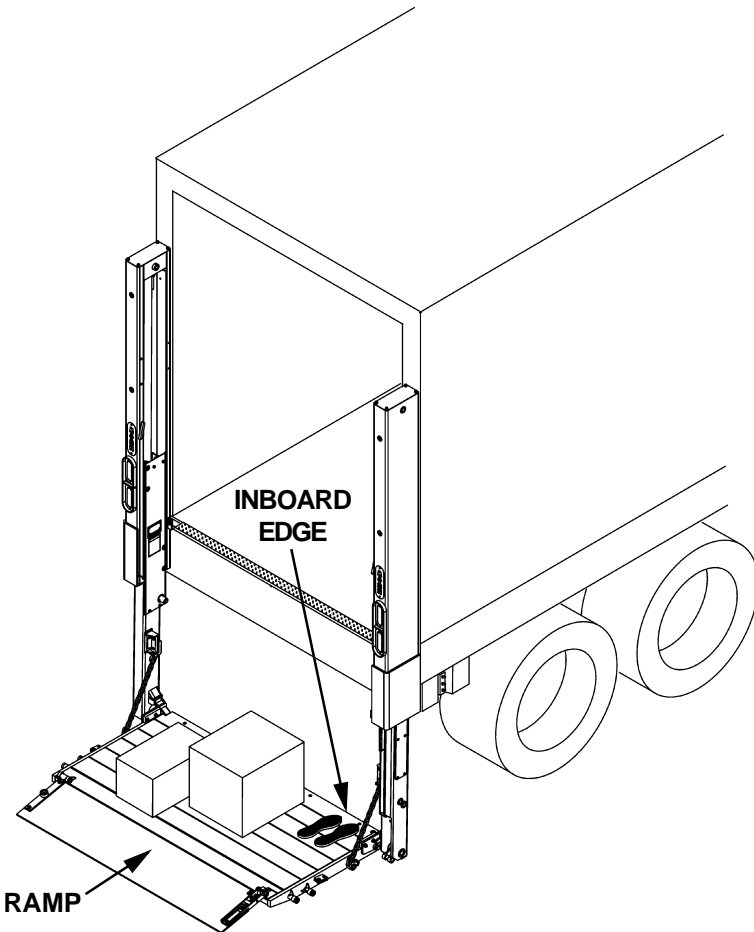
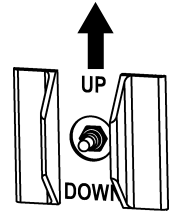


FIG. 6

RAISING & UNLOADING PLATFORM

Fold Ramp to retention position and rotate locks to secure ramp in position (**FIG. 7B**). Use Runner Switch (**FIG. 7C**) to raise Platform (**FIG. 7A**) from ground level to bed height. Release switch when Platform reaches bed height.



RUNNER SWITCH
FIG. 7C

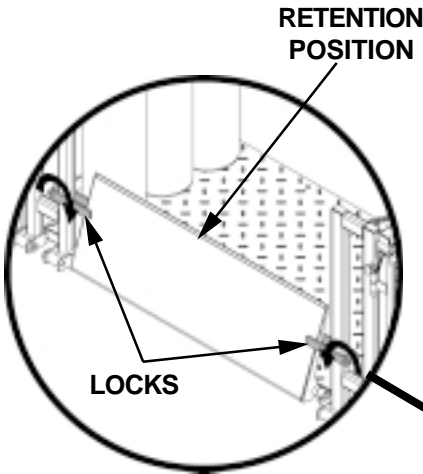


FIG. 7B

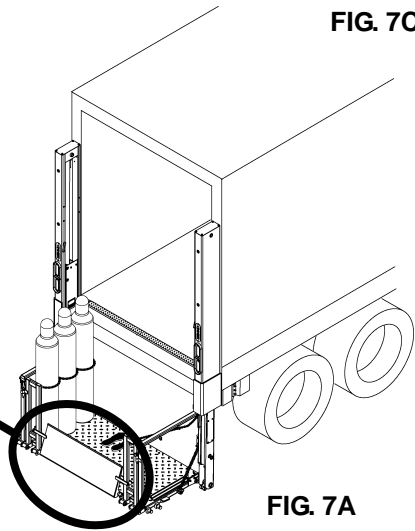


FIG. 7A

Unhook chain from Platform Railing as shown in **FIG. 8A**. Carefully move load from Platform into vehicle (**FIG. 8B**).

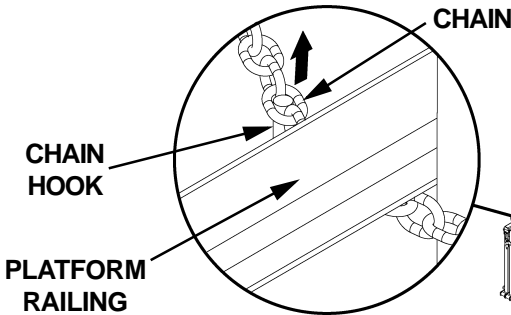


FIG. 8A

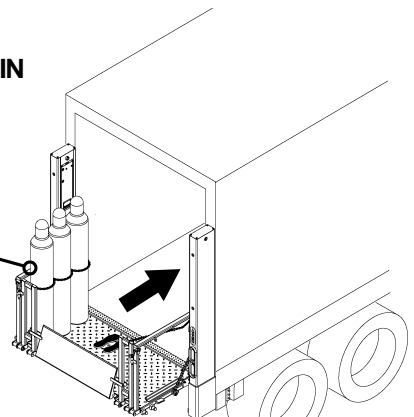
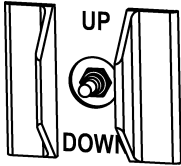


FIG. 8B

RAISING & UNLOADING PLATFORM - Continued

Use Runner Switch (**FIG. 9A**) to lower the Platform (**FIG. 9B**) to ground level. 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.



RUNNER SWITCH
FIG. 9A

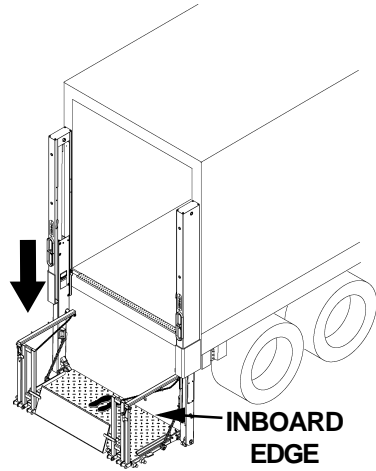
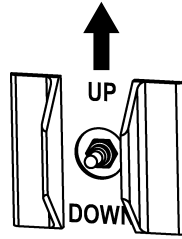


FIG. 9B

RAISING THE PLATFORM TO UNLOAD VEHICLE

Use Runner Switch (**FIG. 10B**) to raise Platform (**FIG. 10A**) from ground level to bed height. Release switch when Platform reaches bed height.



RUNNER SWITCH
FIG. 10B

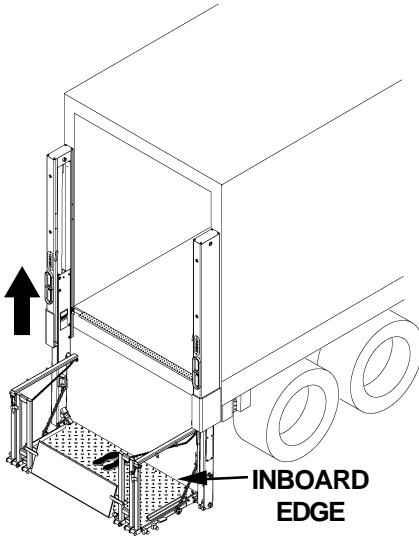


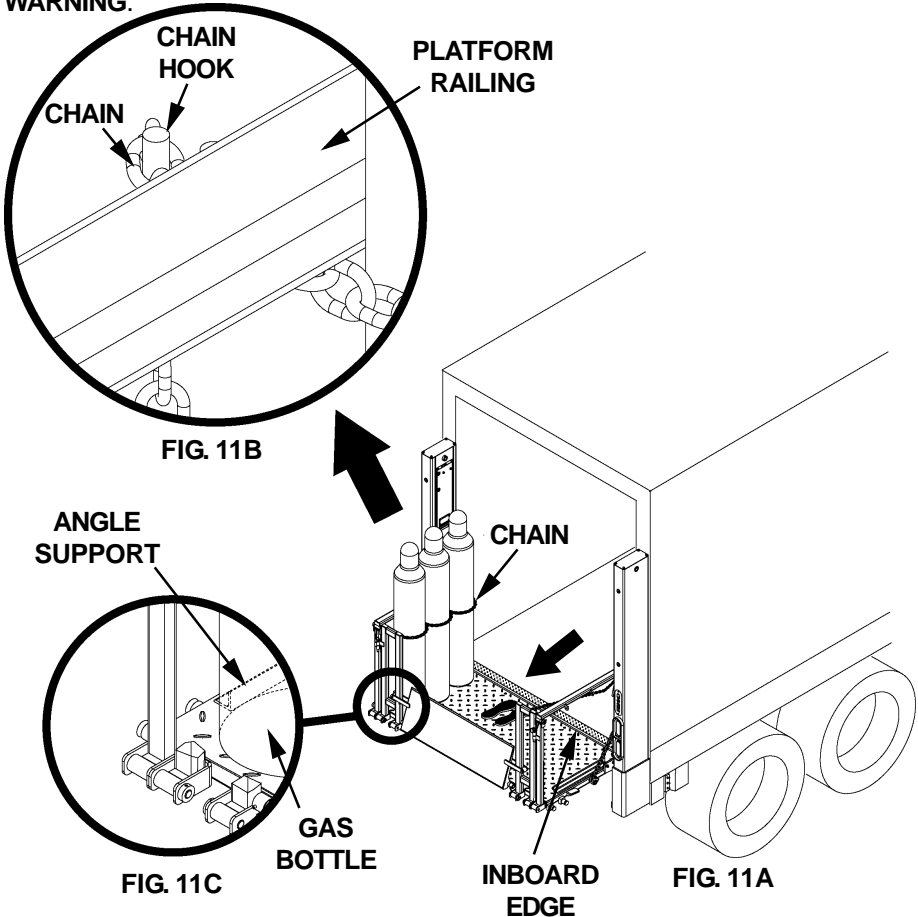
FIG. 10A

POSITIONING LOAD FOR UNLOADING (BMR-A-CS)

⚠ 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. Load must not exceed maximum of 3 cylinders on each side of platform within the rated liftgate capacity. If standing on platform, do not allow your feet to extend beyond inboard edge of platform.

Place all loads as close as possible to the inboard edge of the platform with heaviest part toward the truck body as shown in **FIG. 11A**. Make sure load is rested against Railing (**FIG. 11B**) and Angle Support (**FIG. 11C**). Wrap chain around each gas bottle as shown in **FIG. 11A** and hook chain to Platform Railing as shown in **FIG. 11B**. If you need to stand on the platform with the load, stand in the footprint area shown and comply with the preceding **WARNING**.



POSITIONING LOAD FOR UNLOADING (BMR-A-ONE-PIECE)

⚠ 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.

Place all loads as close as possible to the inboard edge of the platform with heaviest part toward the truck body as shown in **FIG. 12**. If you need to stand on the platform with the load, stand in the footprint area shown and comply with the preceding **WARNING**.

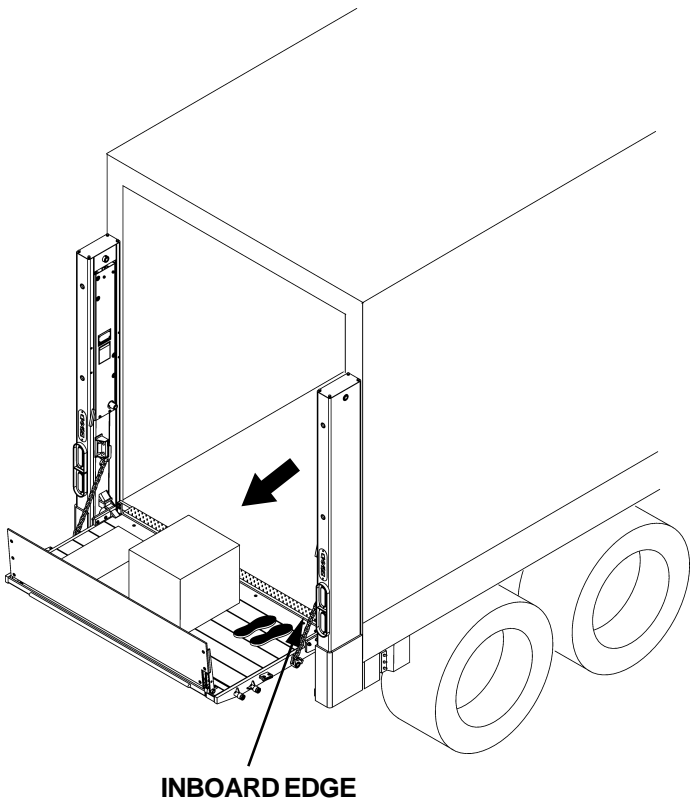
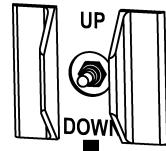


FIG. 12

LOWERING & UNLOADING PLATFORM (BMR-A-CS)

Use Runner Switch (**FIG. 13A**) to lower the Platform (**FIG. 13B**) from bed height to the ground level.



**RUNNER SWITCH
FIG. 13A**

Rotate Locks (**FIG. 13C**) to release retention ramp. Unfold Ramp to the ground.

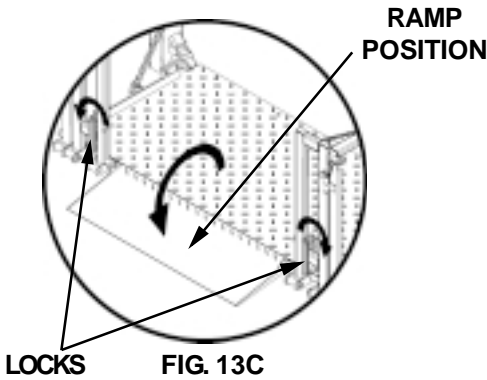


FIG. 13C

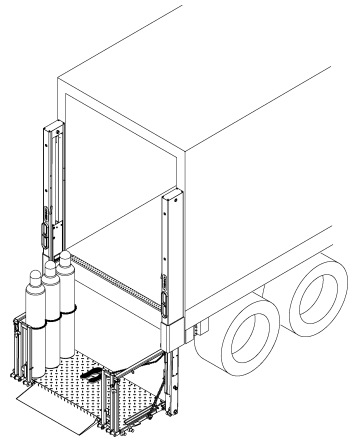


FIG. 13B

Unhook chain from Platform Railing (**FIG. 14A**). Carefully move gas bottles off Platform (**FIG. 14B**) to a place where they 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.

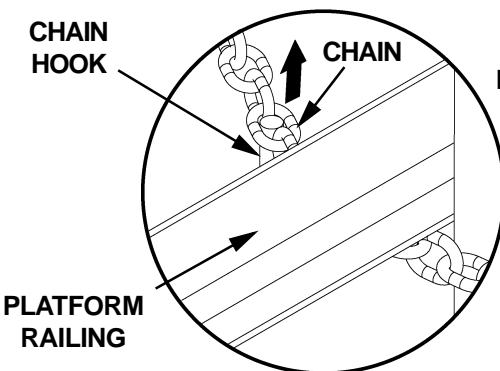


FIG. 14A

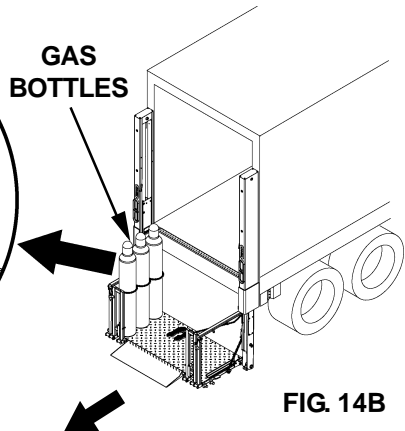
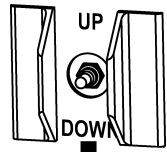


FIG. 14B

LOWERING & UNLOADING PLATFORM (BMR-A-ONE-PIECE)

Use Runner Switch (**FIG. 15A**) to lower the Platform (**FIG. 15B**) from bed height to the ground. Release switch when Platform reaches ground level.

Unfold Ramp to the ground (**FIG.15B**). Carefully move load off Platform (**FIG. 15B**) to a place where they 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.



**RUNNER SWITCH
FIG. 15A**

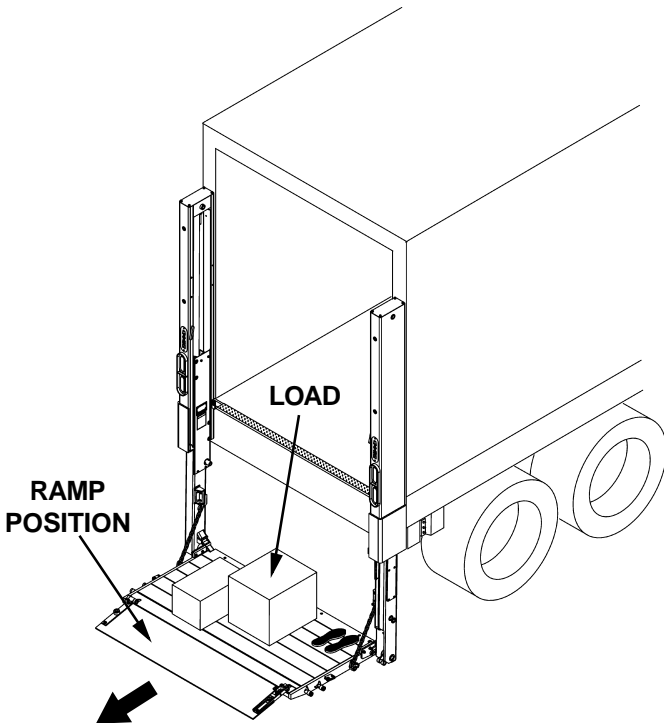
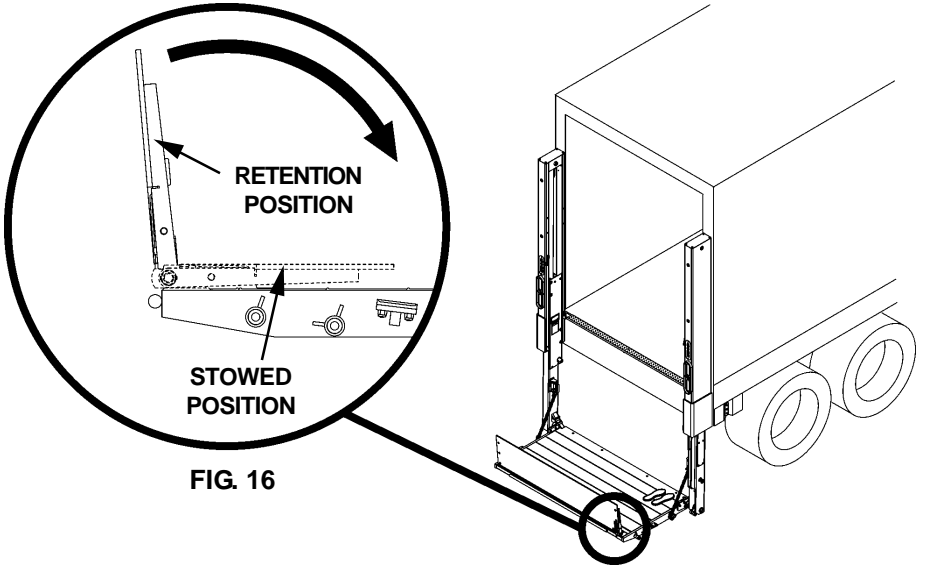


FIG. 15B

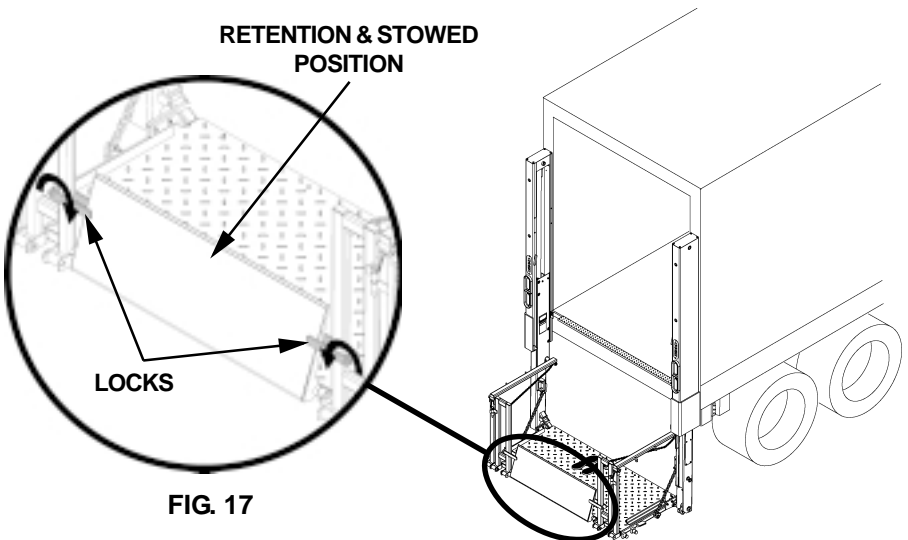
STOWING PLATFORM

STOW RETENTION RAMP

For BMR-A-One-Piece, push Retention Ramp from retention position to stowed position as shown in **FIG. 16**. Push down on Ramp to lock it in stowed position.



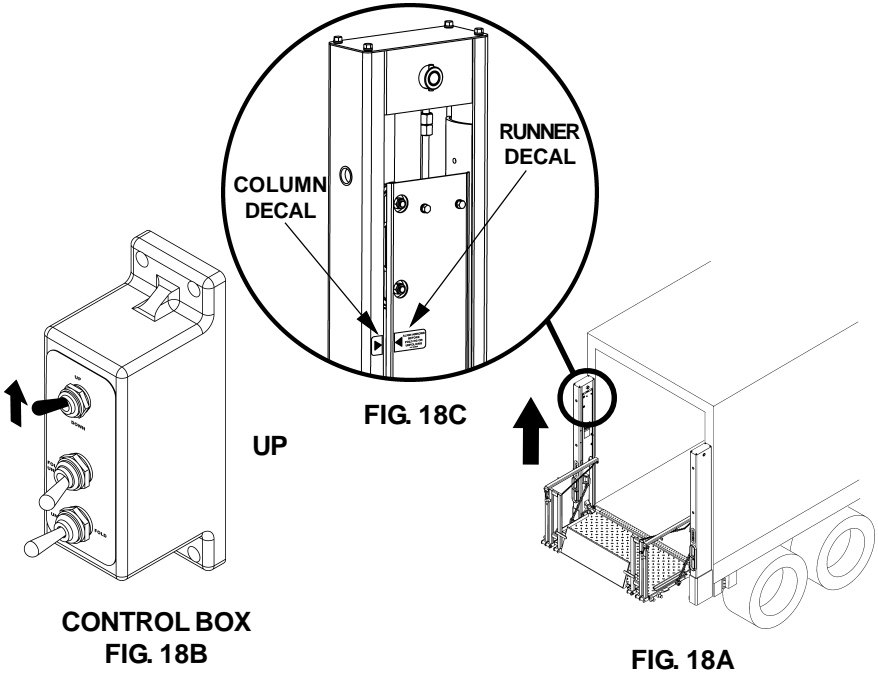
For BMR-A-CS, fold Ramp to retention position and rotate locks to secure ramp in position (**FIG. 17**).



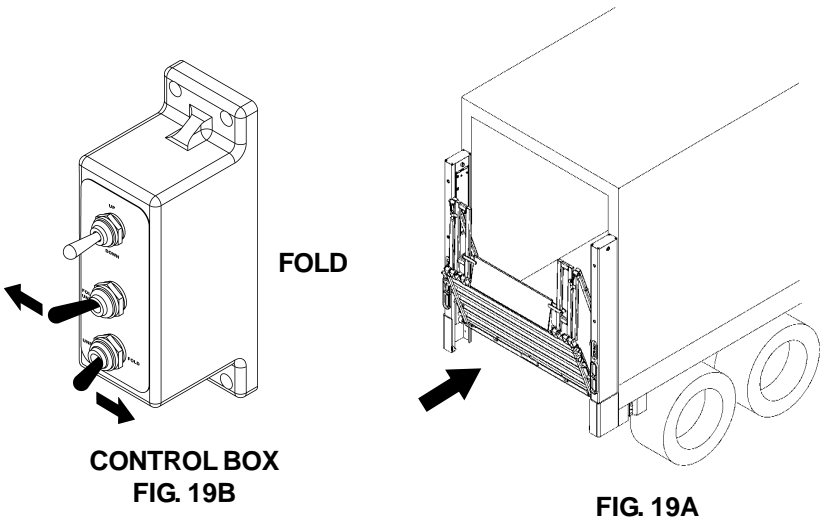
STOW PLATFORM

NOTE: Use the following procedure to stow the BMR-A-One-Piece and CS Platforms. CS Platform is shown.

Use Control Box (**FIG. 18B**) to raise Platform (**FIG. 18A**) until decals on LH Column are aligned (**FIG. 18C**).



Use Control Box (**FIG. 19B**) to **FOLD** Platform (**FIG. 19A**).



⚠ WARNING

Upper or lower Platform locking wedges must be engaged before moving vehicle.

Raise Platform into upper locking position (**FIG. 20A & FIG. 20B**) using Control Box (**FIG. 20C**).

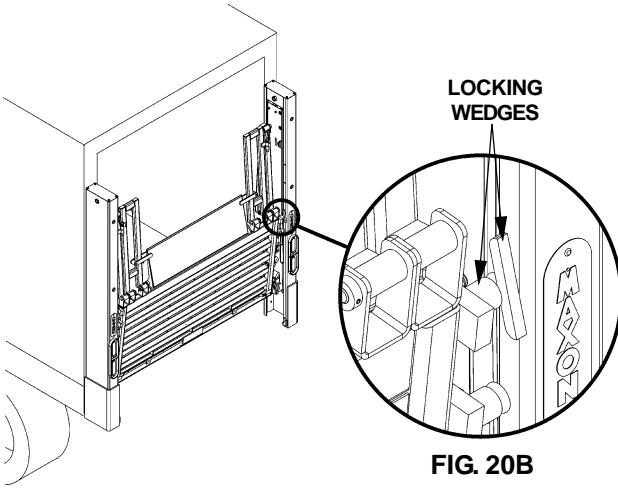
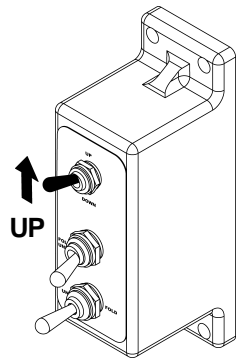


FIG. 20B

**PLATFORM STOWED IN UPPER
LOCKED POSITION
FIG. 20A**



**CONTROL BOX
FIG. 20C**

DOCK LOADING & UNLOADING

DOCK LOADING & UNLOADING (BMR-A-CS)

NOTE: Lower the Platform and Platform Railing before backing vehicle to dock.

Rotate Locks (**FIG. 21**) to release Retention Ramp. Fold Ramp towards vehicle body.

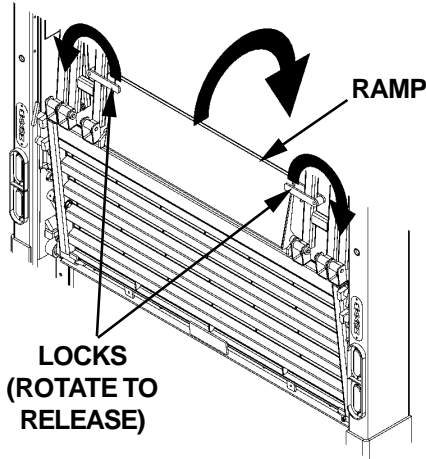
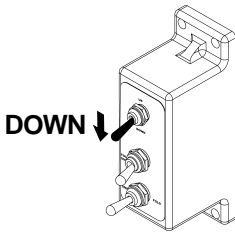


FIG. 21

Use Control Box (**FIG. 22B**) to lower Platform to the lower locking position (**FIG. 22C**). Release switch when top edge of closed Platform is below bed height and resting on the Lower Locking Wedges (**FIG. 22A & FIG. 22C**).



CONTROL BOX
FIG. 22B

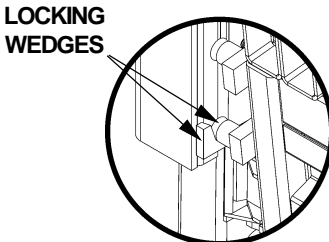


FIG. 22C

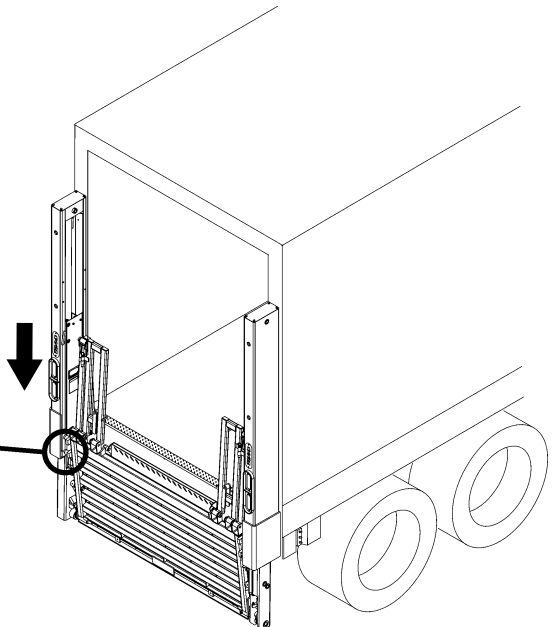
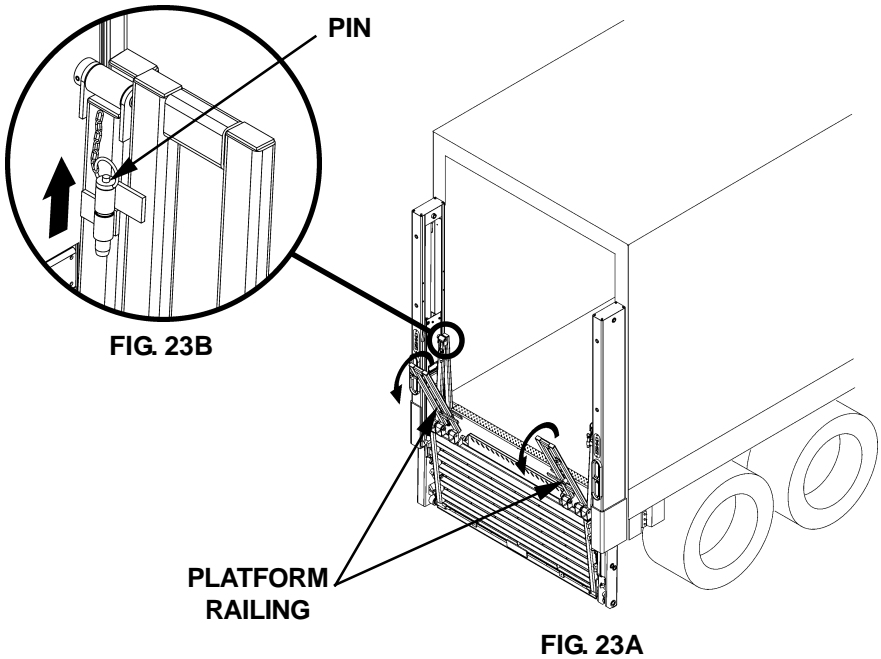


FIG. 22A

DOCK LOADING & UNLOADING (BMR-A-CS)

- Continued

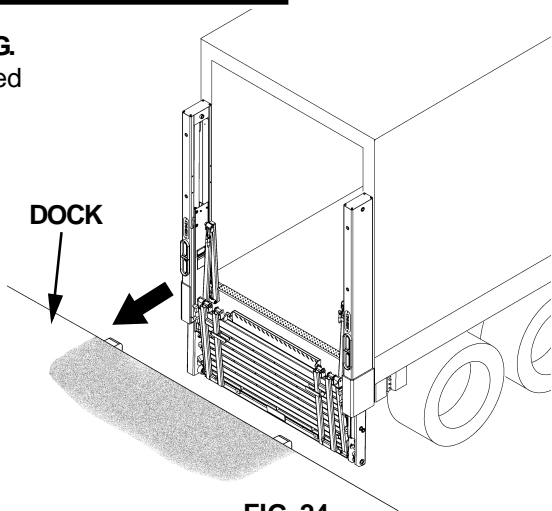
Remove pin (FIG. 23B) on each side of Platform to unlock Platform Railing. Lower the Railing until it hangs over the Platform as shown in FIG. 23A.



CAUTION

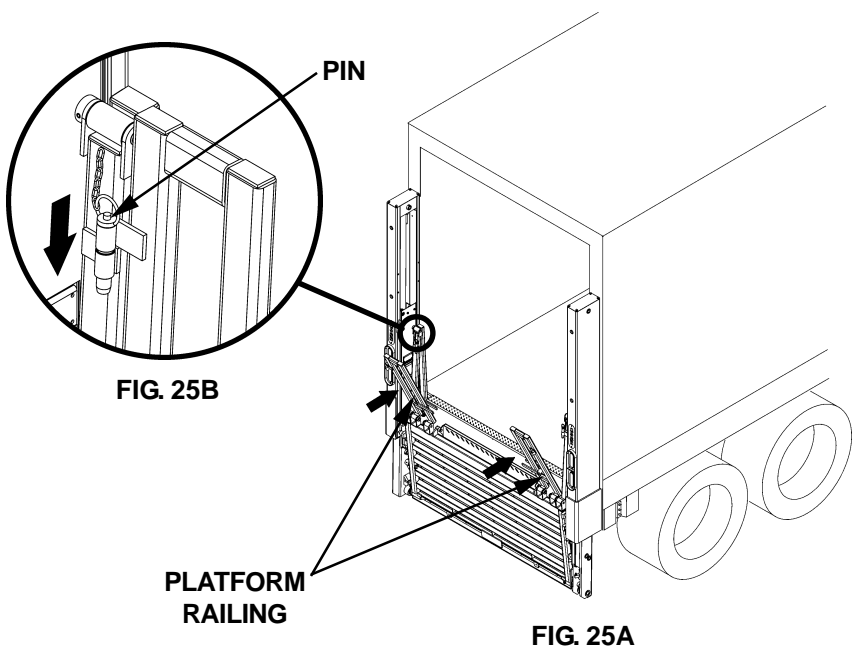
To prevent damage to Liftgate use dock plate, for moving loads between dock and vehicle.

Backup vehicle to dock (FIG. 24). Now loads can be moved between dock and vehicle without using Liftgate.



NOTE: Move vehicle away from dock before raising the Platform Railing.

When finished loading and unloading from the dock, raise Platform Railing on each side of Platform as shown in **FIG. 25A**. Pin Platform Railing to Platform as shown in **FIG. 25B**.

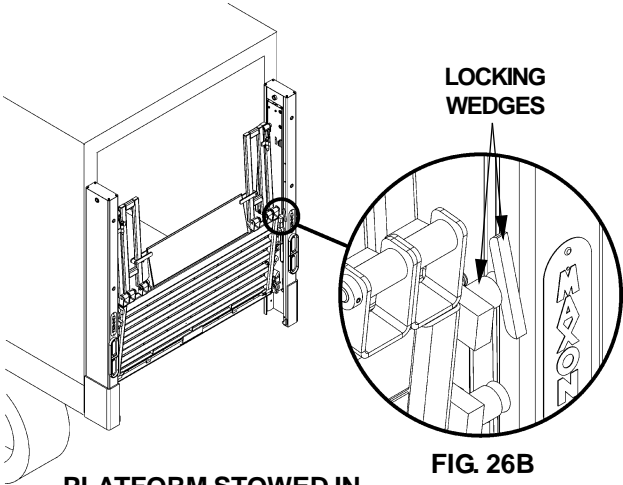


DOCK LOADING & UNLOADING (BMR-A-CS)

- Continued

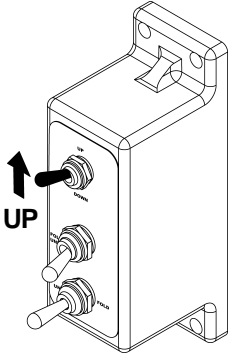
⚠ WARNING
Upper or lower Platform locking wedges must be engaged before moving vehicle.

Use Control Box (FIG. 26C) to raise Platform to the upper locking position as shown in FIG. 26A & FIG. 26B.



**PLATFORM STOWED IN
UPPER LOCKED POSITION
FIG. 26A**

FIG. 26B



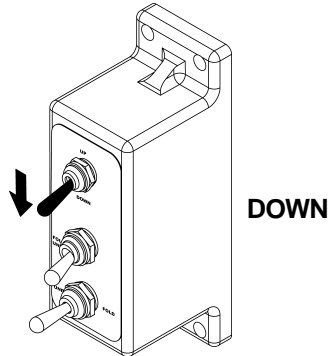
**CONTROL BOX
FIG. 26C**

DOCK LOADING & UNLOADING (BMR-A-ONE PIECE)

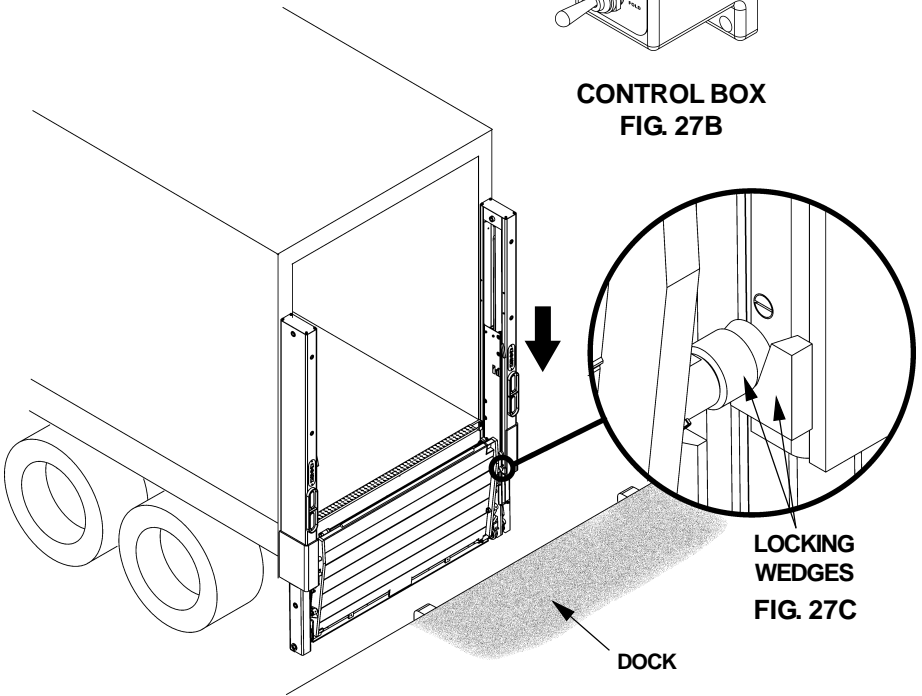
CAUTION

To prevent damage to Liftgate use dock plate, for moving loads between dock and vehicle.

Use Control Box (FIG. 27B) to lower Platform to the lower locking position (FIG. 27A). Release switch when top edge of closed Platform is below bed height and resting on the Lower Locking Wedges (FIG. 27C). Now loads can be moved between dock and vehicle without using Liftgate.



CONTROL BOX
FIG. 27B



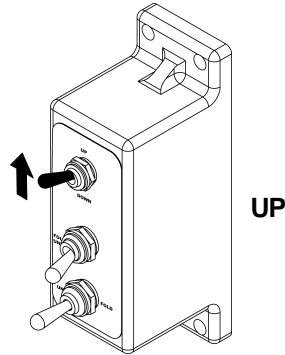
LOWER LOCKING POSITION
FIG. 27A

DOCK LOADING & UNLOADING (BMR-A-ONE PIECE) - Continued

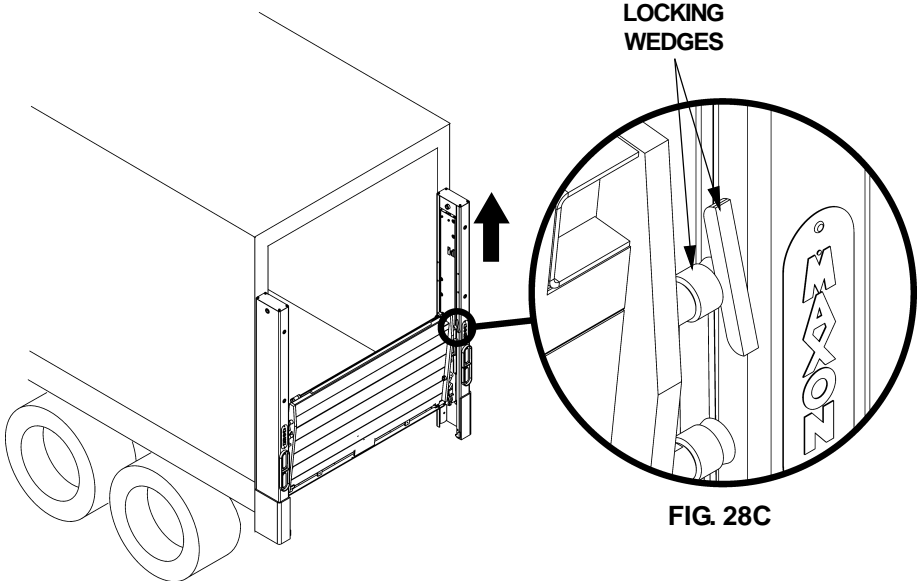
WARNING

Upper or lower Platform locking wedges must be engaged before moving vehicle.

When finished loading and unloading from the dock, use Control Box (FIG. 28B) to raise Platform to upper locking position (FIG. 28A & FIG. 28C).



**CONTROL BOX
FIG. 28B**



**PLATFORM STOWED IN
UPPER LOCKING POSITION
FIG. 28A**