

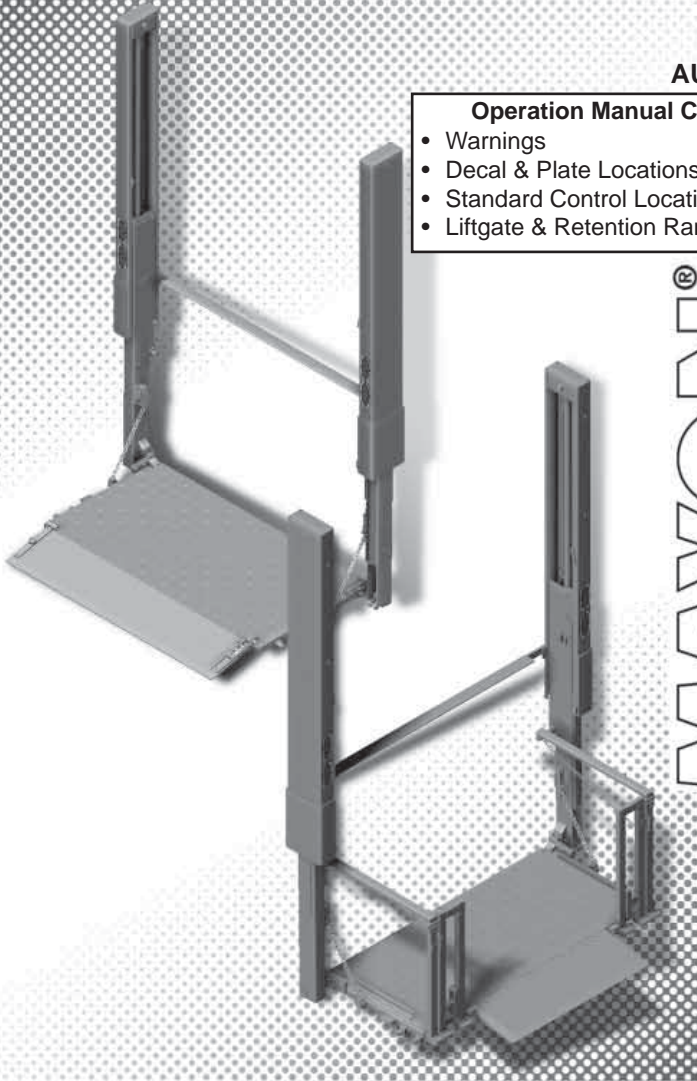
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REV. B

AUGUST 2008

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

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KEEP THIS MANUAL IN CAB OF VEHICLE

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.

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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 BMRA-35-CS, 4400 lbs. for model BMRA-44-CS.**
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 operating.
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 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.
12. Never use a cell phone while operating the Liftgate.

DECALS & PLATES



CAUTION DECAL (2 PLACES)
P/N 266508-01

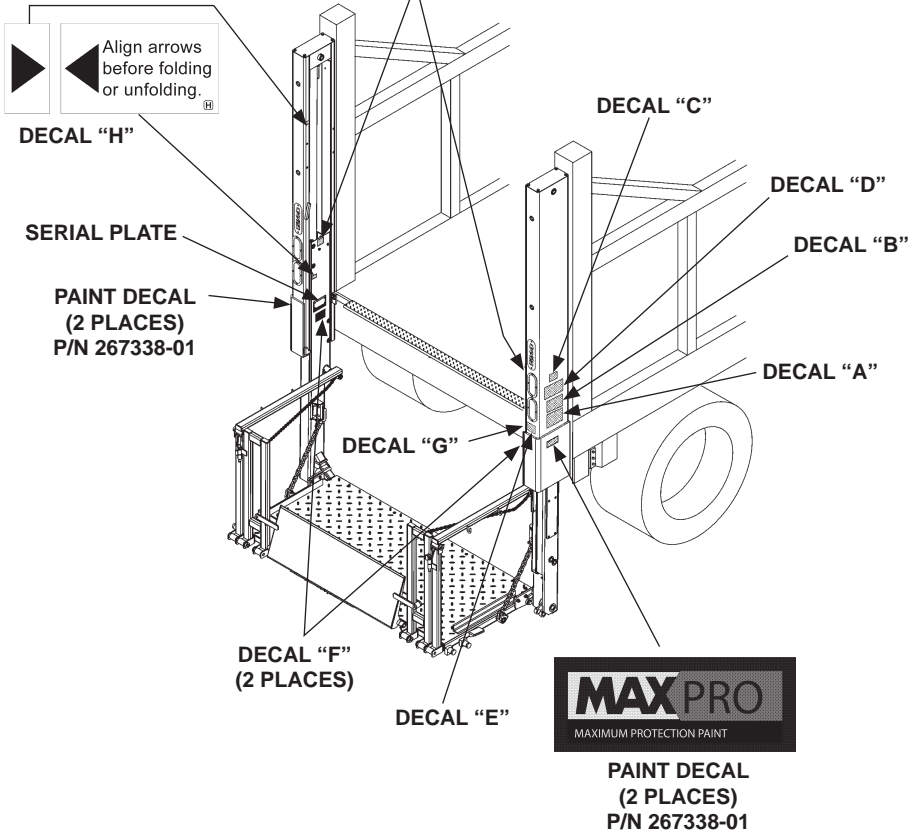


FIG. 6-1

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.

(A)

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 lesser before you attempt to operate Liftgates.
- 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 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.

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.

(B)

THE MAXIMUM CAPACITY
OF THIS LIFT IS

--- POUNDS

WHEN THE LOAD IS
CENTERED ON THE LOAD
CARRYING PLATFORM

(C)

(REFER TO TABLE 7-1)



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.

(D)

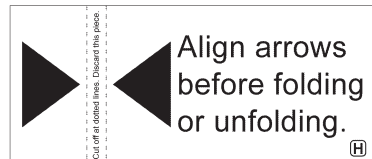
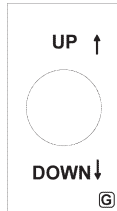
Read and understand all instructions and WARNINGS before use.

CAUTION
Always stand clear of
platform area.

(E)

CAUTION
Do not grease
columns.

(F)



DECAL SHEET
FIG. 7-1

Model	DECAL SHEET P/N	DECAL "C"
BMRA-35 & BMRA35-CS	268309-01	3500 POUNDS
BMRA-44 & BMRA44-CS	268309-02	4400 POUNDS

DECAL SHEET PART NUMBERS
TABLE 7-1

FIG. 7-1

STANDARD CONTROL LOCATIONS

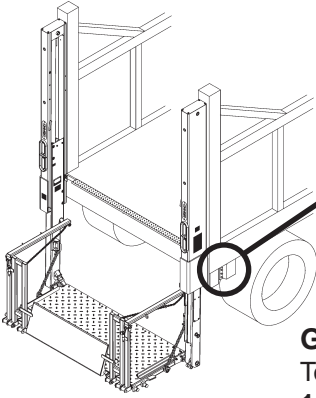


FIG. 8-1B

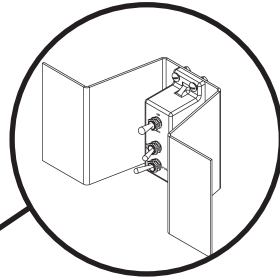


FIG. 8-1A

GROUND ACCESS - CONTROL BOX

Toggle switches on control box (**FIG. 8-1A**) let operator raise (**UP**), lower (**DOWN**), **FOLD**, and **UNFOLD** the platform (**FIG. 8-1B**) while standing on the ground.

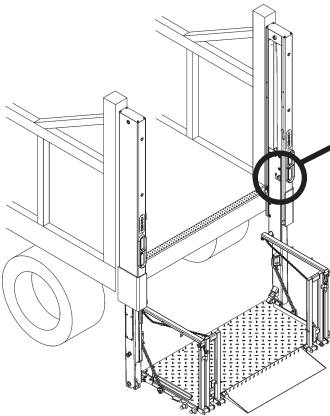


FIG. 8-2B



FIG. 8-2A

PLATFORM ACCESS - RUNNER SWITCH

Toggle switch (**FIG. 8-2A**) on **RH** runner lets operator raise (**UP**) and lower (**DOWN**) the platform (**FIG. 8-2B**) only. Switch stays within reach when operator rides platform **UP** and **DOWN**.

FORKLIFT ADVISORY

⚠ WARNING
Keep forklift OFF of platform.

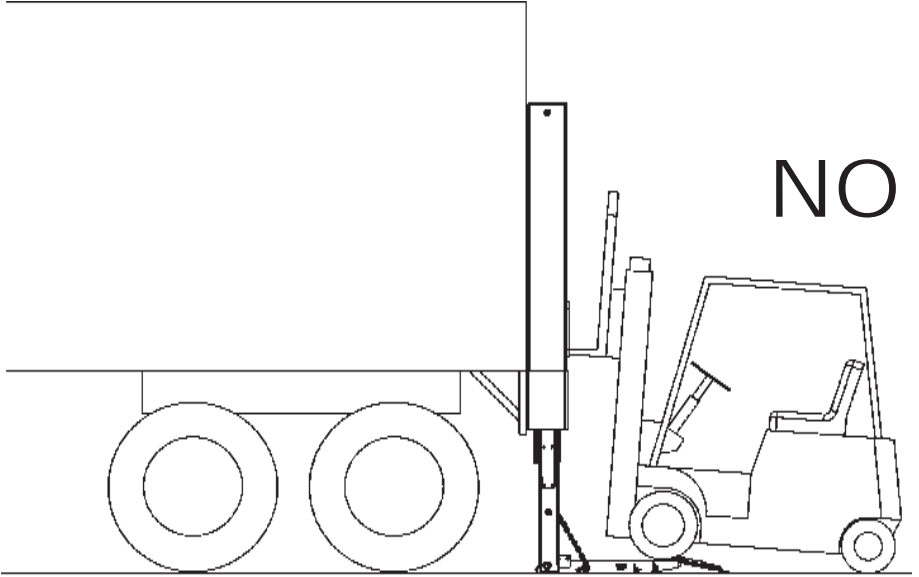


FIG. 9-1

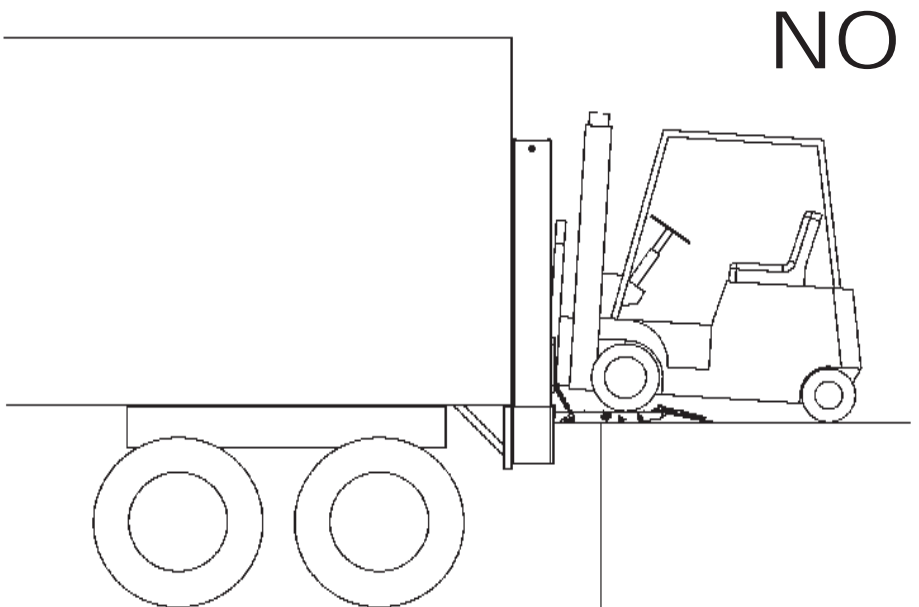


FIG. 9-2

LOADING VEHICLE OPENING THE PLATFORM

Lower platform (**FIG. 10-1A**) until arrow decals are about even (**FIG. 10-1B**). Push toggle switch to **DOWN** position (**FIG. 10-2**) to lower platform. Platform will be released from the locking wedges on the Liftgate column. Next, use control box (**FIG. 10-3**) to **UNFOLD** platform (**FIG. 10-1A**). Hold both switches until platform reaches the unfolded (horizontal) position and then release both switches.

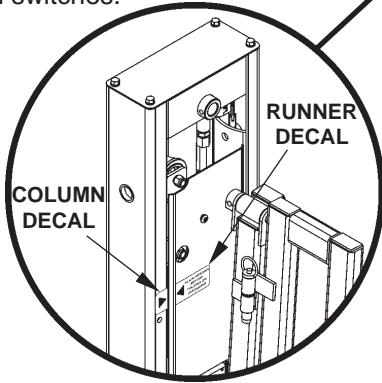


FIG. 10-1B

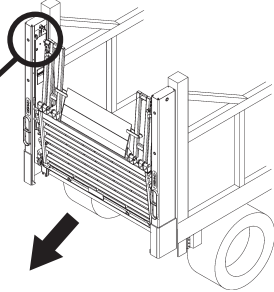
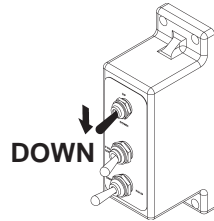
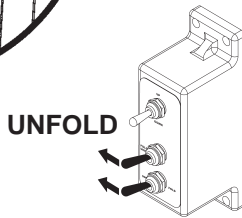


FIG. 10-1A



CONTROL BOX
FIG. 10-2



CONTROL BOX
FIG. 10-3

LOWERING THE PLATFORM

To lower platform (**FIG. 10-4**) to the ground, use control box as shown in **FIG. 10-2**. Release toggle switch when platform reaches the ground.

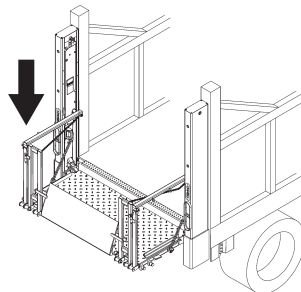


FIG. 10-4

OPENING THE RETENTION RAMP

Rotate locks (FIG. 11-1) to release retention ramp. Unfold ramp to the ground (FIG. 11-2).

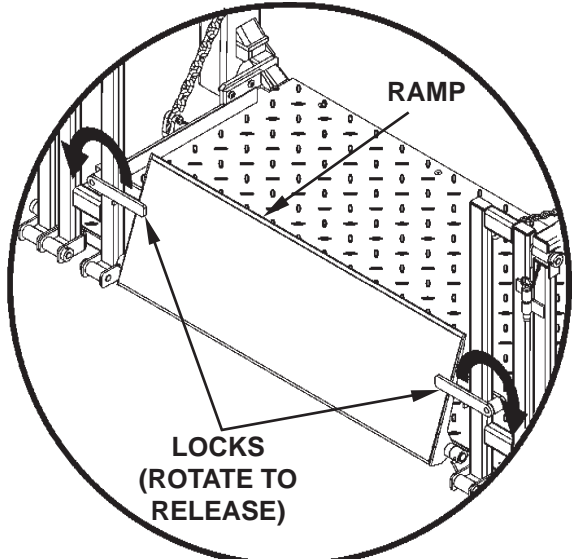


FIG. 11-1

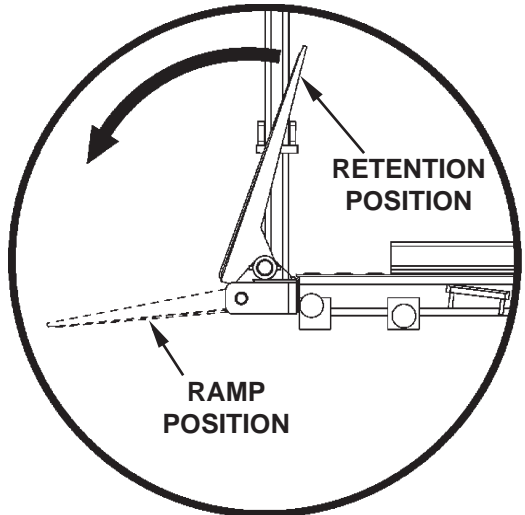


FIG. 11-2

LOADING VEHICLE - Continued POSITIONING LOAD

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.

1. 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. 12-1A**.

2. Move loads across the ramp (**FIG. 12-1A**) to the platform, but never rest loads on the ramp. Make sure gas bottles rest against platform railing (**FIG. 12-1A**) and angle support (**FIG. 12-1B**).

3. Wrap chain around each gas bottle and hook onto platform railing as shown in **FIG. 12-1C**. If you need to stand on the platform with the load, stand in the footprint area shown and comply with preceding **WARNING**.

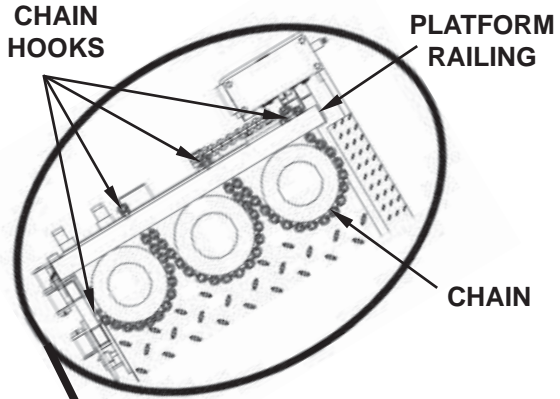


FIG. 12-1C

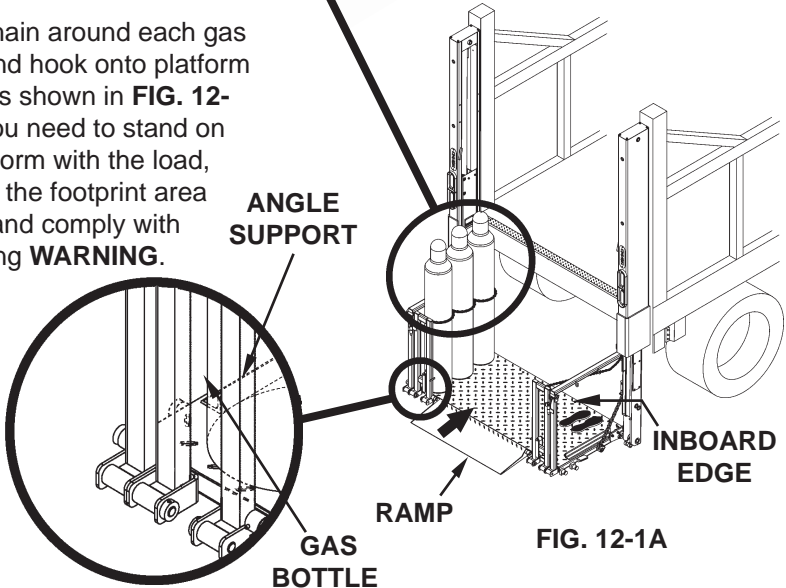


FIG. 12-1A

FIG. 12-1B

RAISING & UNLOADING PLATFORM

1. Fold ramp to retention position and rotate locks to secure ramp in position (**FIG. 13-1A**). Use runner switch (**FIG. 13-1B**) to raise platform (**FIG. 13-1C**) from ground level to bed height. Release switch when platform reaches bed height.

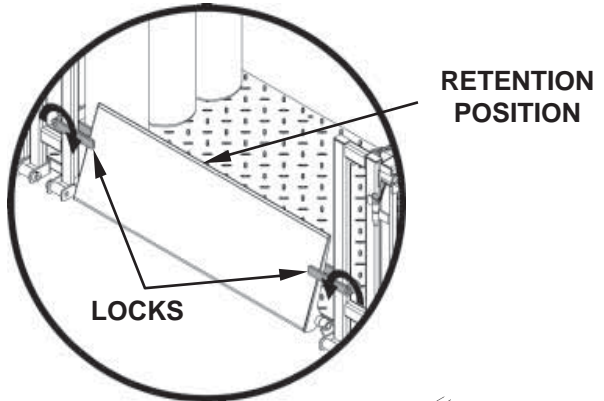


FIG. 13-1A

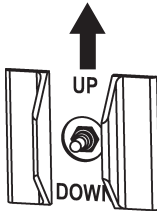


FIG. 13-1B

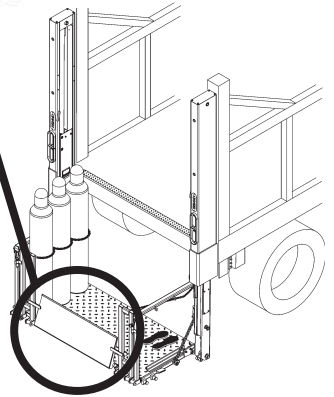


FIG. 13-1C

2. Unhook chain from platform railing as shown in **FIG. 13-2A**. Carefully move load from platform into vehicle (**FIG. 13-2B**).

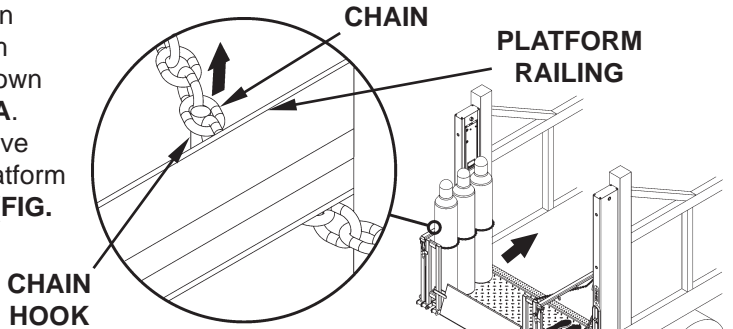


FIG. 13-2A

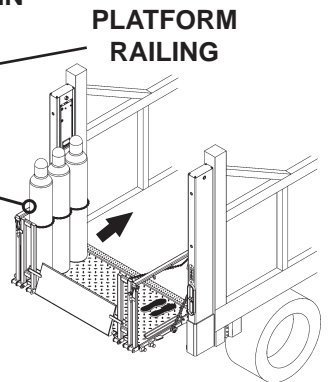
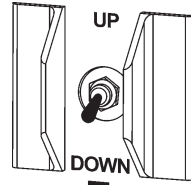


FIG. 13-2B

LOADING VEHICLE - Continued

RAISING & UNLOADING PLATFORM - Continued

3. Use runner switch (**FIG. 14-1**) to lower the platform (**FIG. 14-2**) to ground level.
4. 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. 14-1

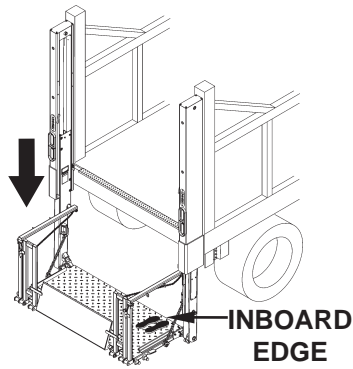


FIG. 14-2

UNLOADING VEHICLE OPENING THE PLATFORM

Lower platform (FIG. 15-1A) until arrow decals are about even (FIG. 15-1B). Push toggle switch to **DOWN** position (FIG. 15-2) to lower platform. Platform will be released from the locking wedges on the Liftgate column. Next, use control box (FIG. 15-3) to **UNFOLD** platform (FIG. 15-1A). Hold both switches until platform reaches the unfolded (horizontal) position and then release both switches.

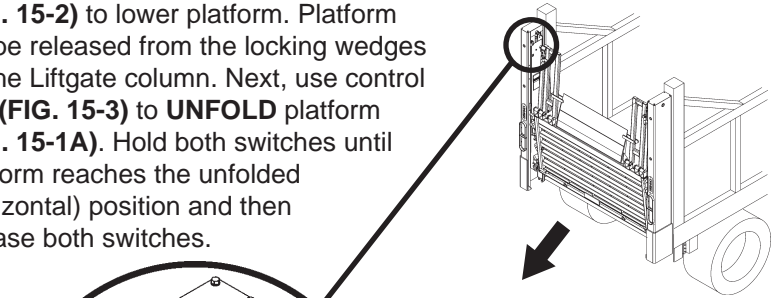


FIG. 15-1A

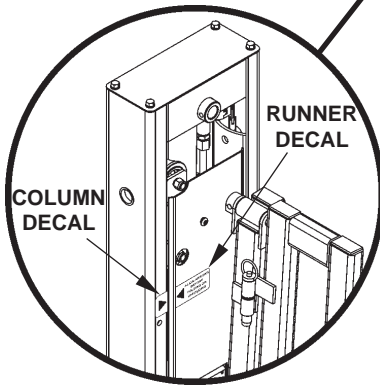
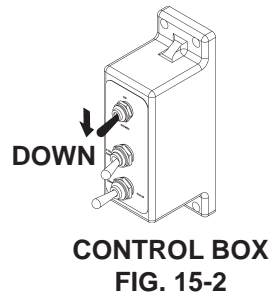
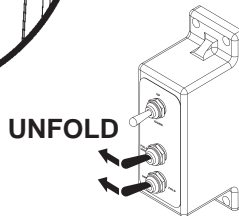


FIG. 15-1B



CONTROL BOX
FIG. 15-2



CONTROL BOX
FIG. 15-3

LOWERING THE PLATFORM

To lower platform (FIG. 15-4) to the ground, use control box as shown in FIG. 15-2. Release toggle switch when platform reaches the ground.

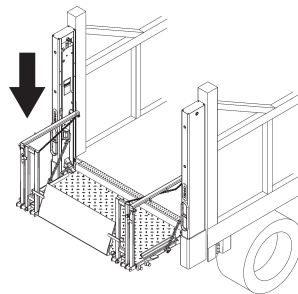
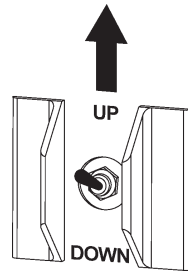


FIG. 15-4

UNLOADING VEHICLE - Continued

RAISING THE PLATFORM

Use runner switch (FIG. 16-1) to raise platform (FIG. 16-2) from ground level to bed height. Release switch when platform reaches bed height.



RUNNER SWITCH
FIG. 16-1

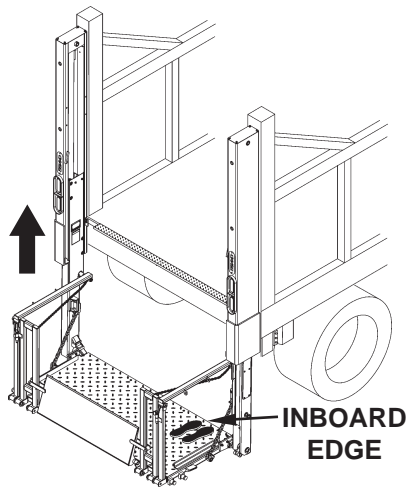


FIG. 16-2

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. 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.

1. 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. 17-1A. Make sure load rests against railing (FIG. 17-1B) and angle support (FIG. 17-1C).

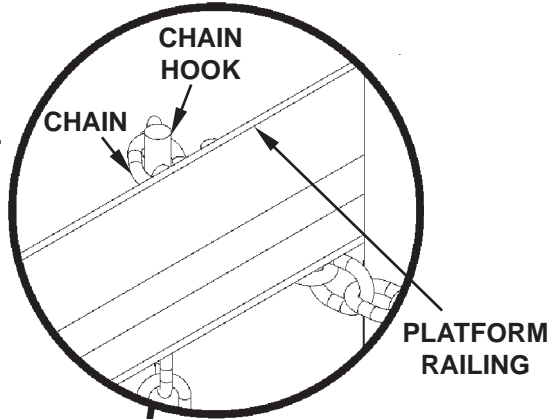


FIG. 17-1B

2. Wrap chain around each gas bottle as shown in FIG. 17-1A and hook chain to platform railing as shown in FIG. 17-1B.
3. If you need to stand on the platform with the load (FIG. 17-1A), stand in the footprint area shown and comply with the preceding WARNING.

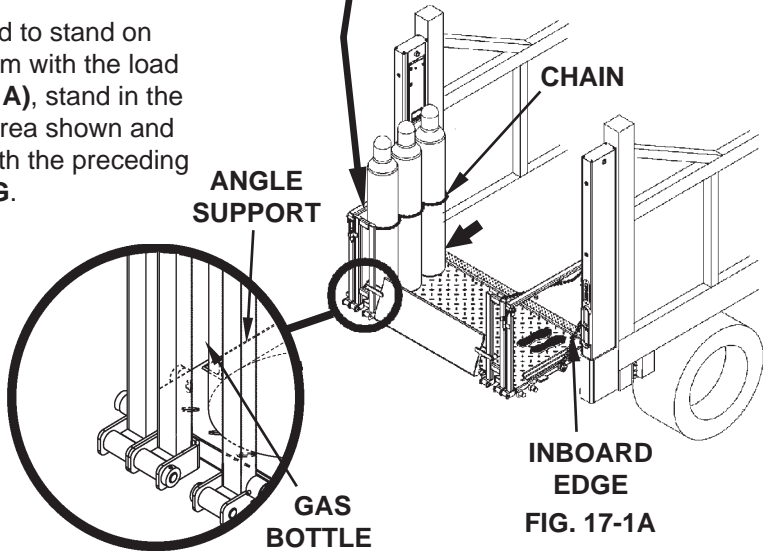
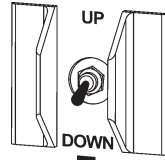


FIG. 17-1C

UNLOADING VEHICLE - Continued LOWERING & UNLOADING PLATFORM

1. Use runner switch (**FIG. 18-1**) to lower the platform from bed height to the ground (**FIG. 18-2**). Release switch when platform reaches ground level.



**RUNNER SWITCH
FIG. 18-1**

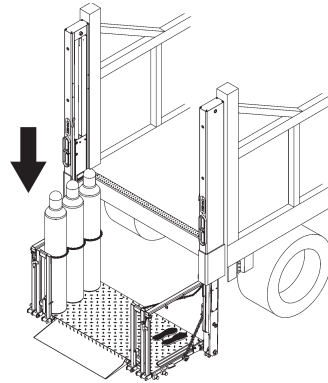


FIG. 18-2

2. Rotate locks (**FIG. 18-3**) to release retention ramp. Unfold ramp to the ground.

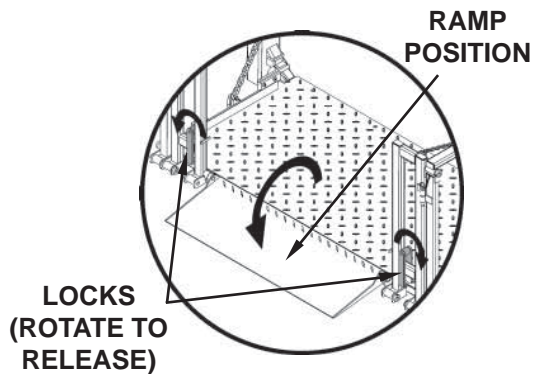


FIG. 18-3

3. Unhook chain from platform railing (**FIG. 19-1A**). Carefully move gas bottles off platform (**FIG. 19-1B**) to a place where they will not become a hazard for people and other vehicles.

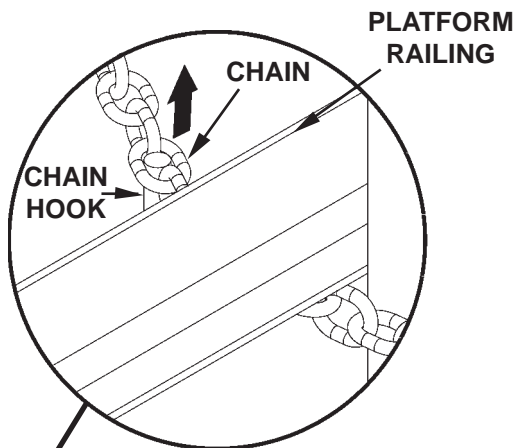


FIG. 19-1A

4. If there is more to unload from vehicle, repeat the previous **UNLOADING VEHICLE** steps for each load.

5. When unloading is finished, use **STOWING PLATFORM** procedure in this manual.

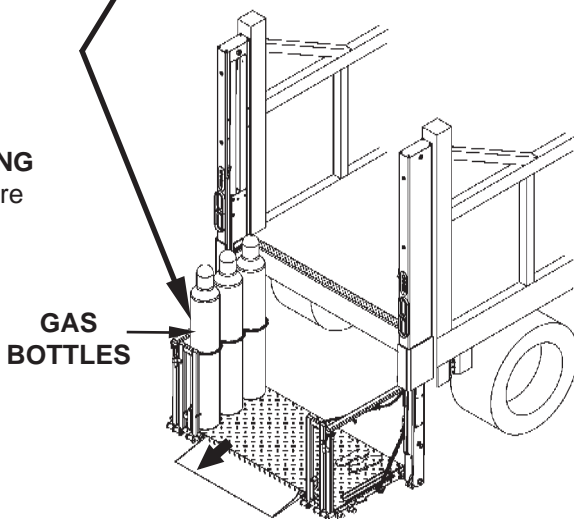


FIG. 19-1B

STOWING PLATFORM STOW RETENTION RAMP

Fold ramp to retention position (FIG. 20-1A) and rotate locks to secure ramp in position as shown in FIGS. 20-1A & 20-1B.

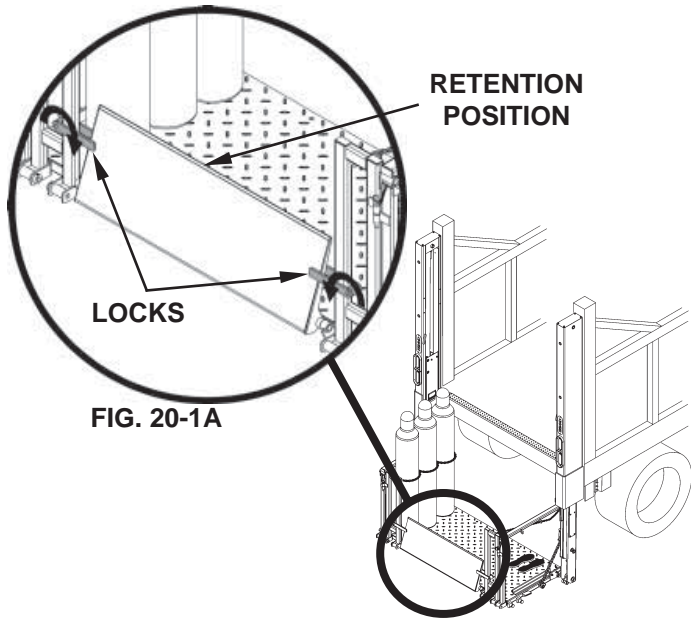


FIG. 20-1A

FIG. 20-1B

STOW PLATFORM

1. Use control box (FIG. 20-2) to raise platform (FIG. 20-3A) until decals on LH column are aligned (FIG. 20-3B).

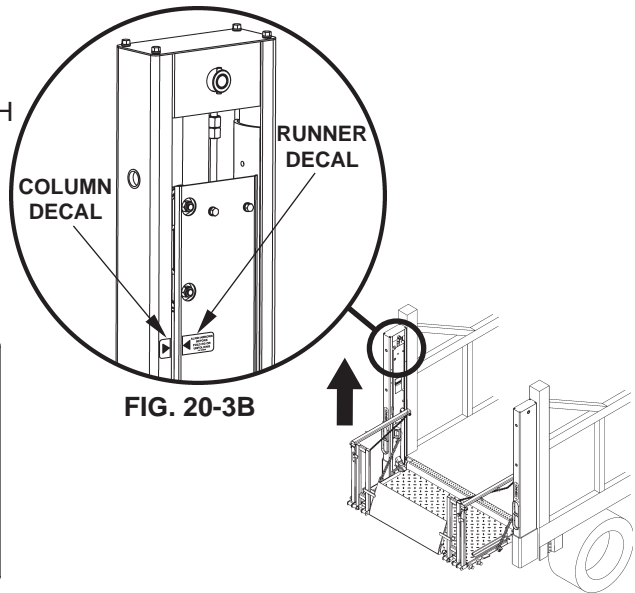
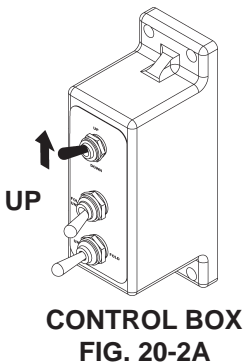


FIG. 20-3B

FIG. 20-3A

2. Use control box (FIG. 21-1A) to FOLD platform (FIG. 21-1B).

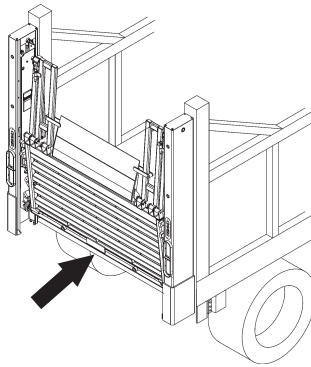
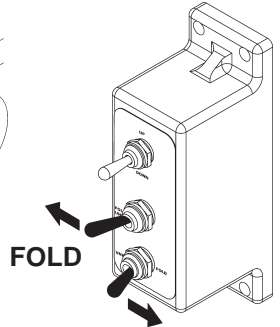


FIG. 21-1B



CONTROL BOX
FIG. 21-1A

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

3. Raise platform into upper locking position (FIGS. 21-2A & 21-2B) using control box (FIG. 21-2C).

UPPER LOCKING
WEDGES

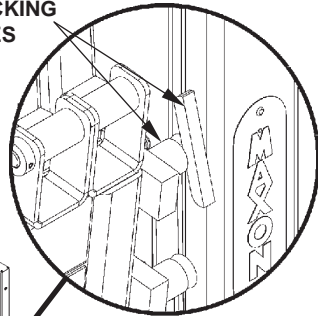
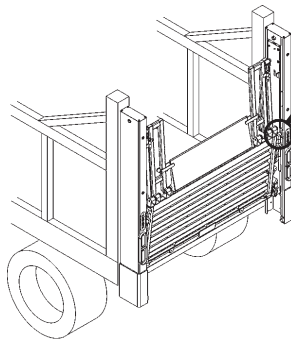
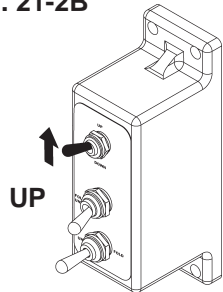


FIG. 21-2B



PLATFORM STOWED IN UPPER
LOCKED POSITION
FIG. 21-2A



CONTROL BOX
FIG. 21-2C

DOCK LOADING & UNLOADING

LOWER PLATFORM BELOW DOCK LEVEL

NOTE: Lower the platform and platform railing before backing vehicle to dock.

1. Rotate locks (**FIG. 22-1**) to release retention ramp. Fold ramp towards vehicle body.

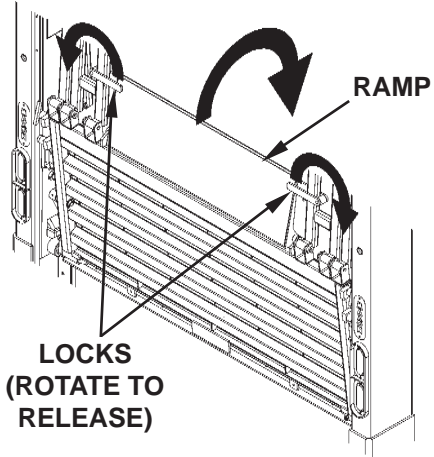


FIG. 22-1

2. Use control box (**FIG. 22-2A**) to lower platform to the lower locking position (**FIG. 22-2B**). Release switch when top edge of closed platform is below bed height and resting on the lower locking wedges (**FIGS. 22-2B & 22-2C**).

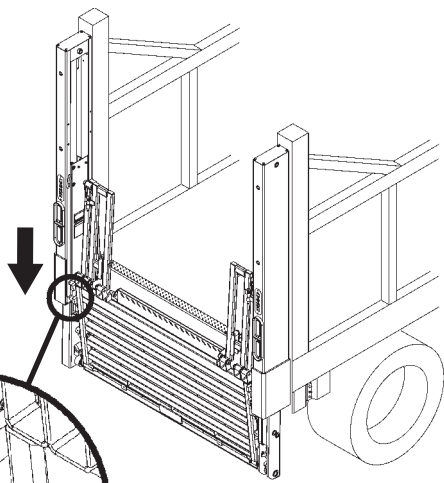


FIG. 22-2C

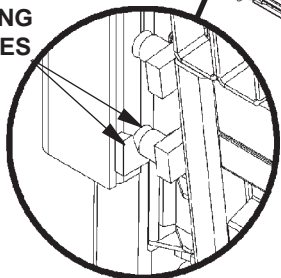
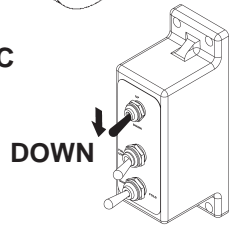


FIG. 22-2B



**CONTROL BOX
FIG. 22-2A**

3. Remove pin (FIG. 23-1A) on each side of platform to unlock platform railing. Lower the railing until it hangs over the platform as shown in FIG. 23-1B.

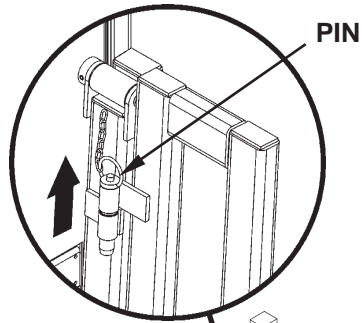


FIG. 23-1A

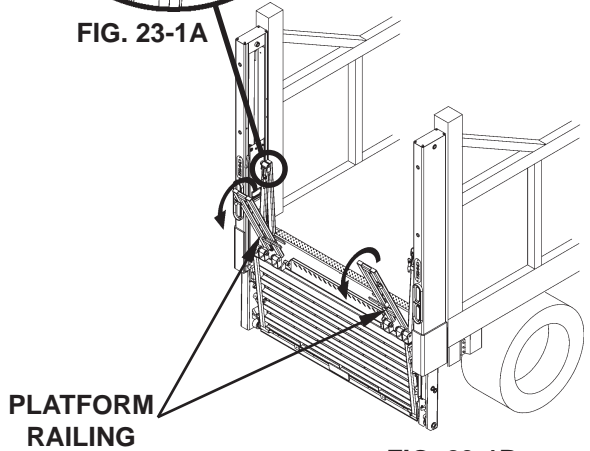


FIG. 23-1B

CAUTION

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

4. Back up vehicle to dock (FIG. 23-2). Now loads can be moved between dock and vehicle without using Liftgate.

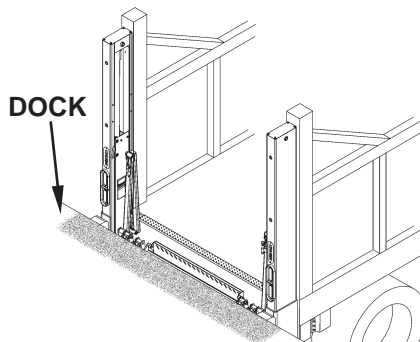


FIG. 23-2

DOCK LOADING & UNLOADING

LOWER PLATFORM BELOW DOCK LEVEL - Continued

NOTE: Move vehicle away from dock before raising the platform railing.

5. When finished loading and unloading from the dock, raise platform railing on each side of platform as shown in FIG. 24-1A. Pin platform railing to platform as shown in FIG. 24-1B.

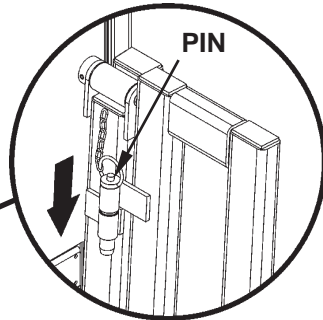
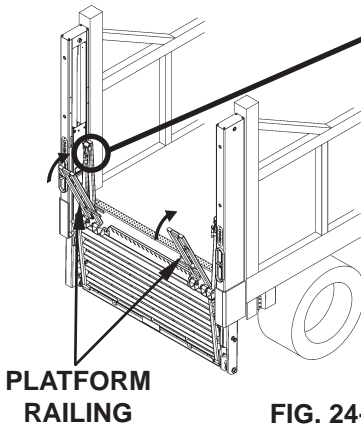


FIG. 24-1A



PLATFORM
RAILING

FIG. 24-1B

WARNING

Upper locking wedges must be engaged before moving vehicle.

6. Use control box (FIG. 24-2) to raise platform into the upper locking position as shown in FIGS. 24-3A & 24-3B).

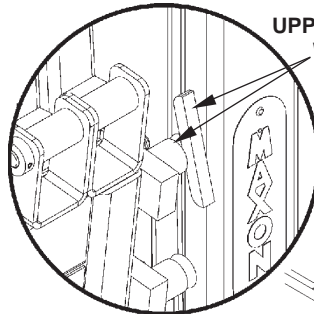
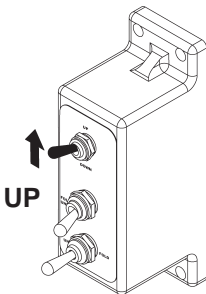
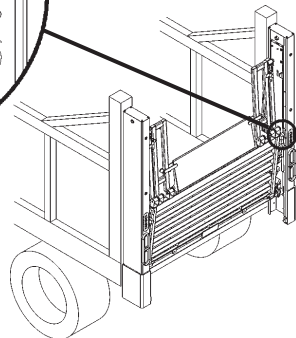


FIG. 24-3A



CONTROL BOX
FIG. 24-2



PLATFORM STOWED IN UPPER
LOCKED POSITION
FIG. 24-3B

