M-16-11 SEPTEMBER 2016

Operation Manual Contains:

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



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

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SUMMARY OF CHANGES: M-16-11

PAGE	DESCRIPTION OF CHANGE
COVER	Updated date of release and maintenance and parts infor- mation note.
11, 12	Added information about how the power down switch is illuminated when activated on column switch and runner switch.
26	Added instructions for using cart stops.
29	Added instructions for using auto cart stops.

 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

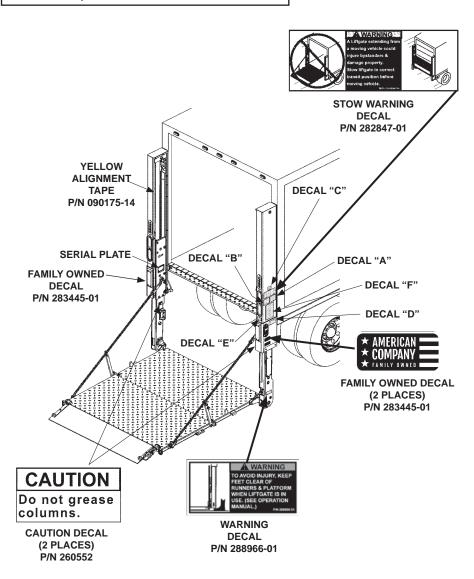
- Do not exceed rated load capacity of the Liftgates which is 3500 lbs. for model BMR-3500, 4400 lbs. for model BMR-44, 5500 lbs. for model BMR-55, and 6600 lbs. for model BMR-66.
- 3. Do not allow any part of your body to be placed under, within, or around any portion of the moving Liftgate or its mechanisms, 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 opened (SD models only), lowered (power down models only), raised, or closed. Listen for scraping, grating and binding noises and have the problem corrected before continuing to operate the Liftgate.
- 11. Above all, **USE GOOD COMMON SENSE** when operating this Liftgate.
- 12. Never use a cell phone while operating the Liftgate.

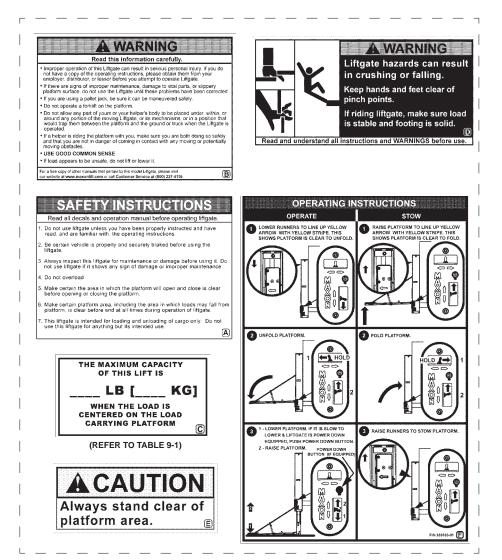
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DECALS & PLATES

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

NOTE: Decals on the Liftgate are attached at the factory.



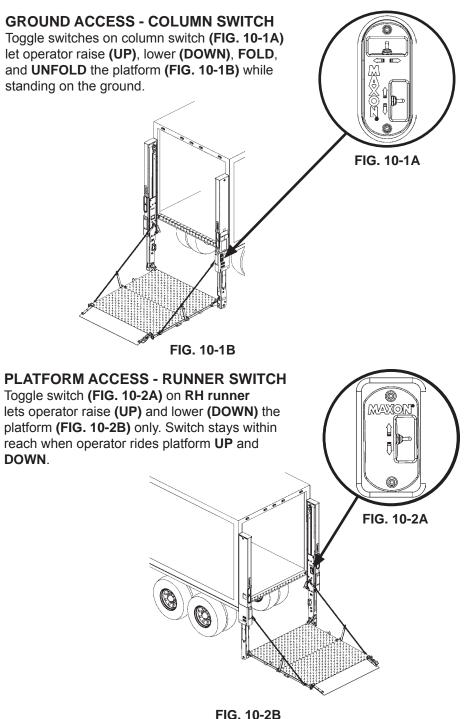


DECAL SHEET FIG. 9-1

MODEL	ORDER P/N	DECAL "C"
BMR-35	289163-01	3500 LBS. [1600 KG]
BMR-44	289163-02	4400 LBS. [2000 KG]
BMR-55	289163-03	5500 LBS. [2500 KG]
BMR-66	289163-04	6600 LBS. [3000 KG]

DECAL SHEET PART NUMBERS TABLE 9-1

STANDARD CONTROL LOCATIONS



POWER DOWN CONTROLS (IF EQUIPPED)

GROUND ACCESS - COLUMN SWITCH POWER DOWN button (if equipped) on column switch (FIG. 11-1A) lets operator lower platform by pressing the POWER DOWN button once and pushing and holding the toggle switch (DOWN) (FIG. 11-1B), while standing on the ground. The POWER DOWN button (FIG. 11-1A) illuminates to indicate the power down function is activated.



POWER DOWN

BUTTON

FIG. 11-1A

POWER DOWN

FIG. 11-1B

PLATFORM ACCESS - RUNNER SWITCH POWER DOWN button (if equipped) on runner switch (FIG. 11-2A) lets operator lower platform by pressing the POWER DOWN button once and pushing and holding the toggle switch (DOWN) (FIG. 11-2B), while standing on the platform. The POWER DOWN button (FIG. 11-2A) illuminates to indicate the power down function is activated.

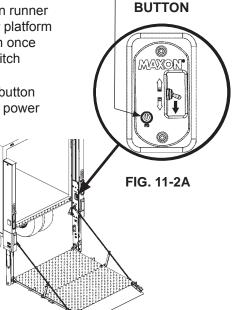
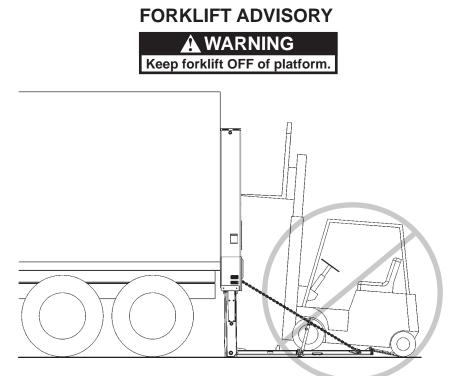


FIG. 11-2B

PUMP BOX CONTROLS

MASTER SELECT SWITCH The master select switch (FIGS. 12-1B, 12-2B and 12-2C) applies or removes OFF battery power from the pump(s). For a single pump box (FIGS. 12-1A and 12-1B), turn the MASTER SELECT SWITCH to 1 to operate Liftgate. MASTER SELECT SWITCH (PUMP 1 SELECTED) FIG. 12-1B SINGLE PUMP BOX FIG. 12-1A OF If the Liftgate is equipped with a dual pump box, the MASTER SELECT SWITCH (FIG. 12-1B) can be used to connect battery power to either pump 1 or pump 2 to power Liftgate. To remove battery power from pumps 1 and 2, turn switch OFF (FIG. 12-1C), **MASTER SELECT** SWITCH (OFF)

FIG. 12-1C





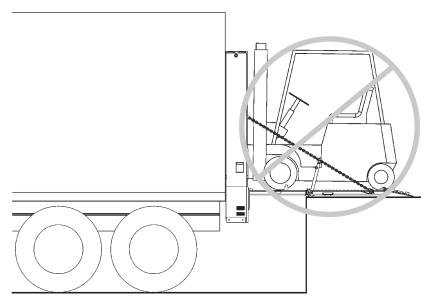
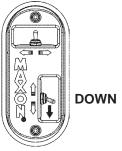


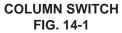
FIG. 13-2

LOADING VEHICLE OPENING THE PLATFORM

NOTE: The 2 platform flashing lights are flashing when platform is unfolding and unfolded. The lights stop flashing when the platform is folded/stowed.

Push toggle switch to **DOWN** position (**FIG. 14-1**) to lower platform until runner arrow and column decal are about even (**FIG. 14-2B**). Platform will be released from the locking wedges on the Liftgate column. Next, use column switches **1** and **2** to **UNFOLD** platform (**FIG. 14-2A**). Hold both toggle switches until platform reaches the unfolded (horizontal) position and then release the switches.





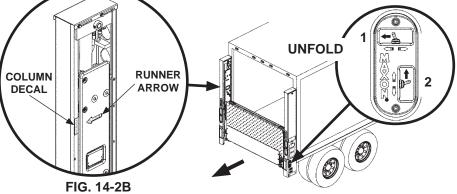
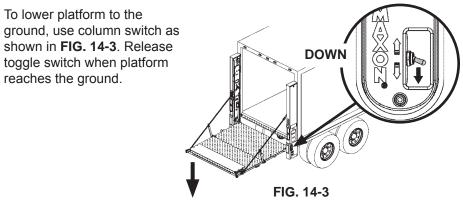


FIG. 14-2A

LOWERING THE PLATFORM



OPENING THE RETENTION RAMP

To unfold retention ramp, pull lock in direction of arrow (FIG. 15-1) and rotate ramp to the ground (FIG. 15-2).

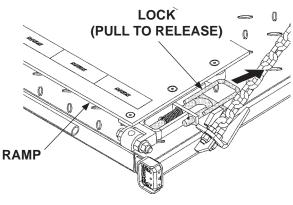


FIG. 15-1

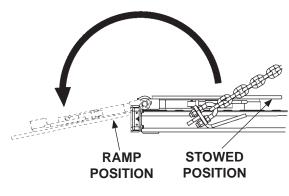


FIG. 15-2

LOADING VEHICLE - Continued POSITIONING LOAD

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. 16-1. Move loads across the ramp (FIG. 16-1) 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. 16-1

RAISING & UNLOADING PLATFORM

ACAUTION

A ramp in retention position can trip you when stepping over it. To prevent possible injury, get on the platform before putting the ramp in retention position.

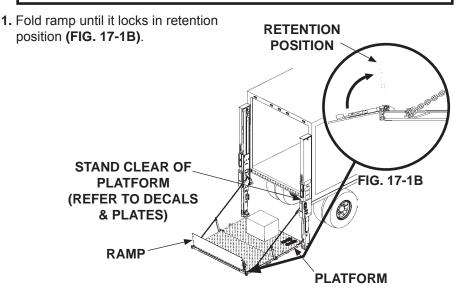
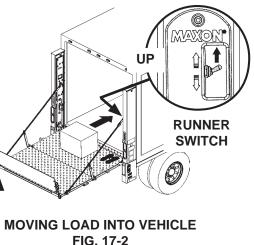


FIG. 17-1A

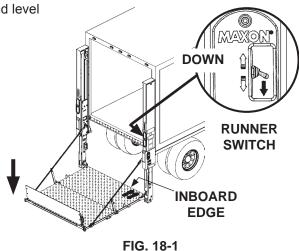
2. Use runner switch to raise (UP) platform from ground level to bed height (FIG. 17-2). Release switch when platform reaches bed height.



3. Carefully move the load into vehicle (FIG. 17-2).

LOADING VEHICLE - Continued RAISING & UNLOADING PLATFORM - Continued

 Use runner switch to lower the platform to ground level (FIG. 18-1).



5. 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 OPENING THE PLATFORM

Push column **UP/DOWN** toggle switch to **DOWN** position (**FIG. 19-1**) to lower platform (**FIG. 19-2A**) until runner arrow and column decal are about even (**FIG. 19-2B**). Platform will be released from the locking wedges on the Liftgate column. Next, use column switches **1** and **2** to **UNFOLD** platform (**FIG. 19-2A**). Hold both toggle switches until platform reaches the unfolded (horizontal) position and then release the switches.



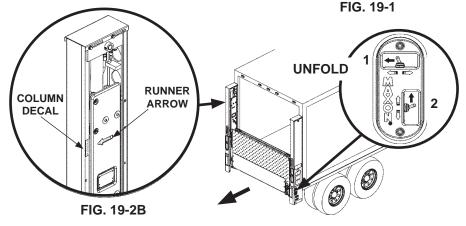
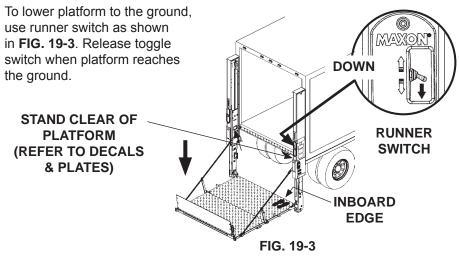


FIG. 19-2A

LOWERING THE PLATFORM



UNLOADING VEHICLE - Continued OPENING RAMP TO RETENTION POSITION

A ramp in retention position can trip you when stepping over it. To prevent possible injury, get on the platform before putting the ramp in retention position.

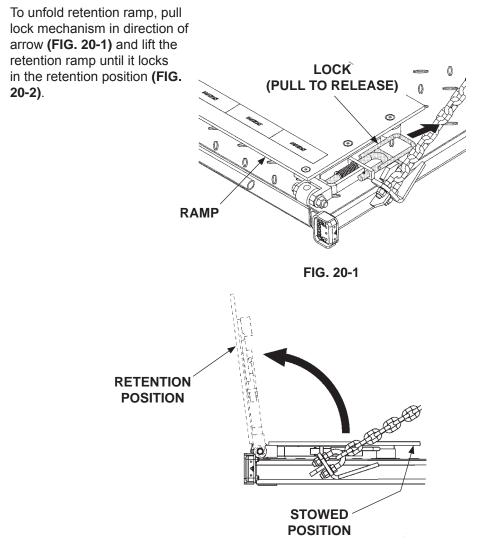


FIG. 20-2

RAISING THE PLATFORM

Use runner switch to raise platform **(FIG. 21-1)** from ground level to bed height. Release switch when platform reaches bed height.

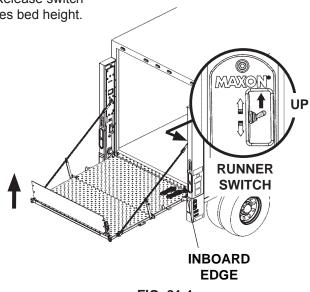


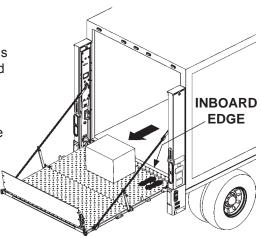
FIG. 21-1

UNLOADING VEHICLE - Continued POSITIONING LOAD

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.

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.

Load the platform at bed level (FIG. 22-1) 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. 22-1. If standing on platform with the load, stand in the footprint area shown and comply with the WARNING at the top of this page.

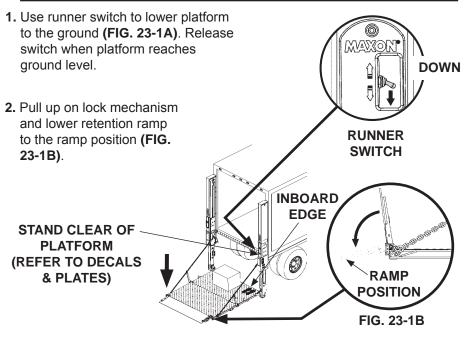


PUSHING LOAD ON PLATFORM FIG. 22-1

LOWERING & UNLOADING PLATFORM

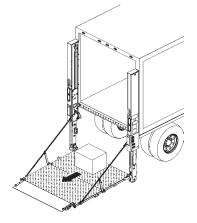
A WARNING

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.

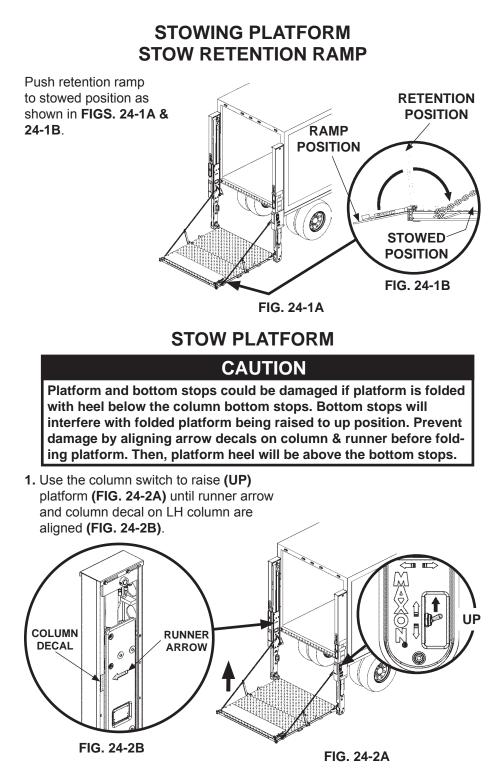




3. Carefully move load off platform (FIG. 23-2) and then move it to a place where it will not become a hazard for people and other vehicles. If there is more to unload from vehicle, repeat the previous UNLOADING VEHICLE steps for each load. When unloading is finished, use STOWING PLATFORM procedure in this manual.



MOVING LOAD OFF PLATFORM FIG. 23-2



NOTE: The 2 platform flashing lights are flashing when platform is unfolding and unfolded. The lights stop flashing when the platform is folded/stowed.

2. Hold both column switches 1 and 2 to FOLD platform (FIG. 25-1).

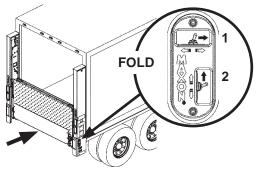
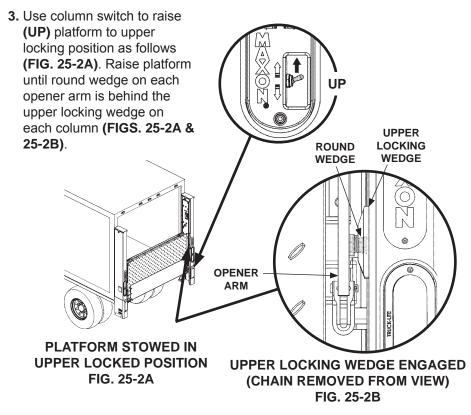


FIG. 25-1

A WARNING

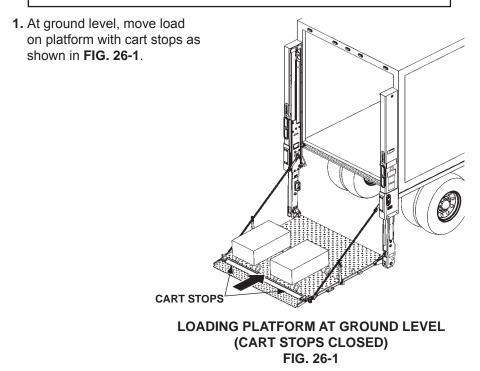
Upper locking wedges must be engaged before moving vehicle.

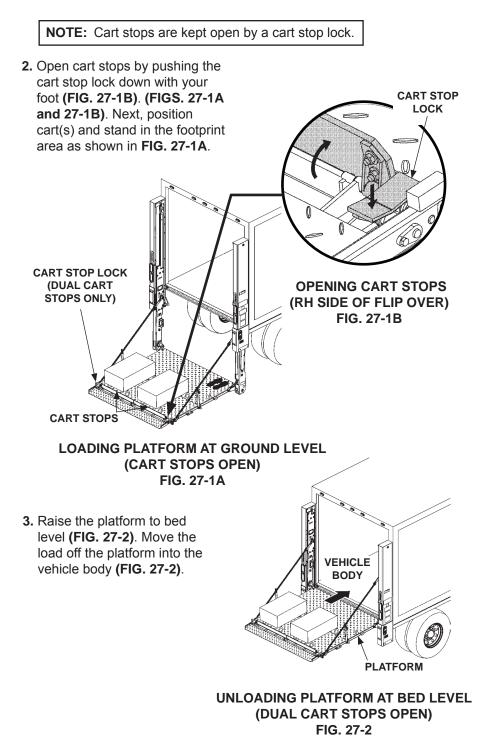


USING CART STOPS (IF EQUIPPED)

To prevent injuries caused by tripping and falling, make sure cart stops are closed before walking on and off outboard end of platform.

- **NOTE:** Some Liftgates are equipped with single or dual cart stops. Cart stops prevent loaded carts from rolling off outboard end of platform. Single cart stops are 1 section, about the same as overall width of platform, and operate with one set of controls. Dual cart stops are 2 identical sections, with a combined width about the same as overall width of platform, and each is independently operated with separate controls (1 set of controls per cart stop). The following procedure shows dual cart stops. A single cart stop operates the same way.
- **NOTE:** Cart stops are usually closed when not in use. If you find the carts stops are already open when rolling a load from the ground to the platform, you may roll the load over the cart stop. The cart stop will close temporarily as the load crosses and reopen when the load is off the cart stop.

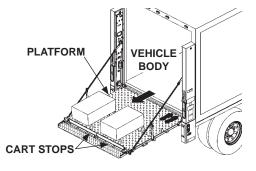




USING CART STOPS (IF EQUIPPED) - Continued

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. When loading the platform at bed level, make sure cart stops are open (FIG. 28-1). Push load out of the vehicle. Place all loads as close as possible to the edge of the cart stops as shown in FIG. 28-1. If standing on platform with the load, stand in the footprint area shown and comply with the WARNING shown above.

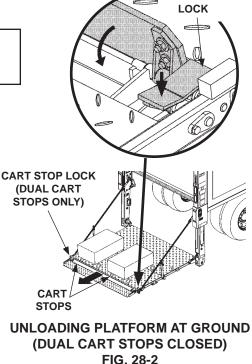


LOADING PLATFORM AT BED LEVEL (DUAL CART STOPS OPEN) FIG. 28-1

CART STOP

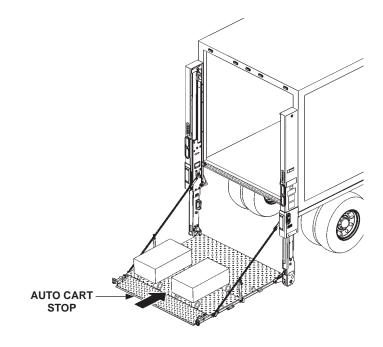
NOTE: Cart stops are kept closed by a cart stop lock (FIG. 28-2).

 Unload platform with cart stops at ground level as follows. Make sure cart stops are closed before moving load off the platform (FIG. 28-2). To close, push the cart stop lock down. Then, step on cart stop until closed (FIG. 28-2). Move load off the platform as shown in FIG. 28-2.



USING AUTO CART STOPS (IF EQUIPPED)

- **NOTE:** Some Liftgates are equipped with auto cart stops. Auto cart stops open and close automatically depending on the position of the liftgate. The following procedure shows auto cart stops.
- 1. Move load on platform on the ground as shown in FIG. 29-1.

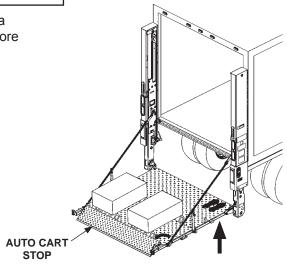


LOADING PLATFORM AT GROUND LEVEL (AUTO CART STOP CLOSED) FIG. 29-1

USING AUTO CART STOPS (IF EQUIPPED) - Continued

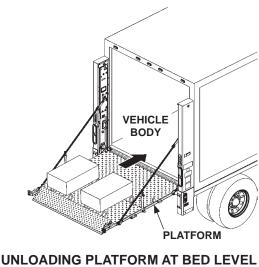
NOTE: Auto cart stop is opened by raising the platform (FIG. 30-1).

2. Stand in the footprint area as shown (FIG. 30-1) before raising the platform.



AUTO CART STOP OPEN FIG. 30-1

3. Raise the platform to bed level (FIG. 30-2). Move the load off the platform into the vehicle body (FIG. 30-2).



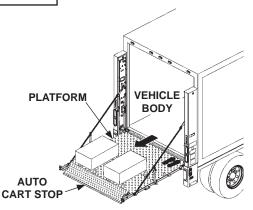
UNLOADING PLATFORM AT BED LEVEL (AUTO CART STOP OPEN) FIG. 30-2

A 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.

NOTE: When loading the platform at bed level, auto cart stop is open (FIG. 31-1).

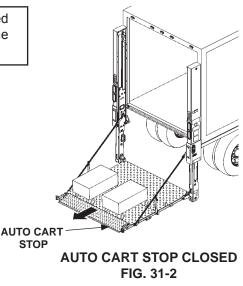
Push load out of the vehicle and place all loads as close as possible to the edge of the cart stop(s) as shown in FIG. 31-1. If standing on platform with the load, stand in the footprint area shown and comply with the WARNING shown above.



LOADING PLATFORM AT BED LEVEL (AUTO CART STOP OPEN) FIG. 31-1

NOTE: Auto cart stop is closed when platform is on the ground (**FIG. 31-2**).

5. Unload platform with auto cart stop at ground level as follows. Move load off the platform as shown in **FIG. 31-2**.

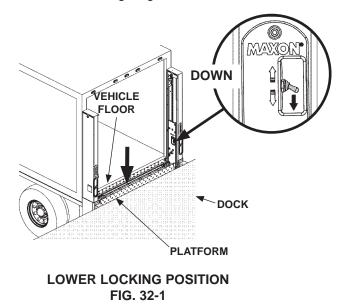


DOCK LOADING & UNLOADING LOWER PLATFORM BELOW DOCK LEVEL

Use dock plate for moving loads between dock and vehicle. Dock plate must be supported by dock and vehicle floor. It must not rest on Liftgate platform.

NOTE: Platform may be lowered with vehicle backed up to dock.

1. Use column switch to lower (DOWN) platform until it rests on bottom stops (FIG. 32-1). Release switch when top edge of closed platform is below bed height and dock level, and in the lower locking position (FIG. 32-1). Now, loads can be moved between dock and vehicle without using Liftgate.



A WARNING

Upper locking wedges must be engaged before moving vehicle.

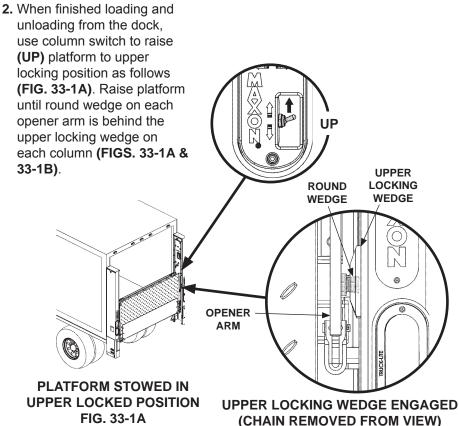


FIG. 33-1A

FIG. 33-1B