

To find **maintenance & parts** information for your **DMD Liftgate**, go to **www.maxonlift.com**. Click the **PRODUCTS**, **RAILIFT & DMD** buttons. Open the **Maintenance Manual** in the **PRODUCT DOCUMENTATION** window.

KEEP THIS MANUAL IN CAB OF VEHICLE

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

TABLE OF CONTENTS

SUMMARY OF CHANGES: M-12-21, REVISION D	4
WARNINGS	6
LIFTGATE TERMINOLOGY	7
DECALS & PLATES (STANDARD)	8
DECALS & PLATES	10
(EQUIPPED WITH POWER CLOSER)	10
FORKLIFT ADVISORY	12
OPERATION	13
UNFOLDING THE PLATFORM	13
LOADING VEHICLE	16
LOWERING THE PLATFORM	16
POSITIONING LOAD	16
RAISING & UNLOADING PLATFORM	17
UNLOADING VEHICLE	18
LOWERING THE PLATFORM	18
RAISING THE PLATFORM	18
POSITIONING LOAD	19
LOWERING & UNLOADING PLATFORM	20
STOWING PLATFORM	21
USING STANDARD CART STOPS (IF EQUIPPED)	26
USING RETENTION RAMP (IF EQUIPPED)	29

SUMMARY OF CHANGES: M-12-21, REVISION D

PAGE	DESCRIPTION OF CHANGE
COVER	Updated REV, date of release.
10	Updated Operation Decal
22	Added 2-hand operation instructions for folding the platform with power closer.

THIS PAGE INTENTIONALLY LEFT BLANK

ARNINGS

WARNING

 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 lbs. for DMD-22 Liftgate, and 3300 lbs. for DMD-33 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



DECALS & PLATES (STANDARD)





DECAL SHEET P/N 284216-01



WARNING DECAL P/N 282847-01

DECALS & PLATES (EQUIPPED WITH POWER CLOSER)





DECAL SHEET P/N 284216-01



WARNING DECAL P/N 282847-01

FORKLIFT ADVISORY





FIG. 12-2

OPERATION UNFOLDING THE PLATFORM

1. Raise platform off transit hooks by pushing the outboard control switch to (UP) position (FIG. 13-1).



FIG. 13-1

UNFOLDING THE PLATFORM - Continued 2. Unlatch and unfold platform (FIG. 14-1). LATCH PLATFORM (STOWED) PLATFORM (UNFOLDED) **UNFOLDING PLATFORM (STANDARD)** FIG. 14-1 **3.** If equipped with power closer, unlatch platform (FIG. 14-2A) and use fold/unfold switch (UNFOLD) to unfold platform (FIG. 14-2). LATCH PLATFORM (STOWED) Ē FIG. 14-2A FOLD/UNFOLD SWITCH (UNFOLD)

UNFOLDING FLIPOVER (EQUIPPED WITH POWER CLOSER) FIG. 14-2 4. Unlock and unfold flipover (if equipped) (FIG. 15-1).



UNFOLDING FLIPOVER FIG. 15-1

LOADING VEHICLE LOWERING THE PLATFORM



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. 16-2**. Move loads across the ramp (**FIG. 16-2**) 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. 16-2

RAISING & UNLOADING PLATFORM

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.



UNLOADING VEHICLE LOWERING THE PLATFORM



FIG. 18-1

RAISING THE PLATFORM



FIG. 18-2

UNLOADING VEHICLE - Continued 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.

🛦 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.

Load the platform at bed level (FIG. 19-1) as follows. Push load out of the vehicle to correct position on the platform. Place all loads as close as possible to the inboard edge of the platform with heaviest part toward the vehicle body as shown in FIG. 19-1. 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. 19-1

LOWERING & UNLOADING PLATFORM

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.



LOWERING PLATFORM TO GROUND LEVEL FIG. 20-1

 Carefully move load off platform (FIG. 20-2) 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. 20-2

STOWING PLATFORM

NOTE: Ensure platform is stowed under hydraulic pressure.



FIG. 21-1

2. Fold and lock flipover (if equipped) (FIG. 21-2).



FIG. 21-2

STOWING PLATFORM - Continued

NOTE: If platform is equipped with power closer, do step 4.

3. Push down on platform and pull up on spring lever (FIG. 22-1A) to unlock platform. Fold platform to stowed position (FIG. 22-1). Lock platform (FIG. 22-1B).





RAISE PLATFORM FIG. 23-1

STOWING PLATFORM - Continued



FIG. 24-1

7. Vehicle can be moved.

THIS PAGE INTENTIONALLY LEFT BLANK

USING STANDARD 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 how to operate dual cart stops; however, a single cart stop operates the same way.
- 1. Load a platform with cart stops at ground level as follows. Make sure cart stops are closed when loading the platform (FIGS. 26-1 and 26-2). Then, move load on the platform as shown in FIG. 26-1 CART STOPS LOADING PLATFORM AT GROUND LEVEL (CART STOPS CLOSED) FIG. 26-1 2. To close cart stops, push shoot bolt to position shown in FIG. 26-2. Step on cart stops and push down into locked position. CART STOP Ø SHOOT BOLT **CLOSING CART STOPS** (RH VIEW OF FLIPOVER) FIG. 26-2







USING STANDARD 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.

 When loading the platform at bed level, make sure cart stops are open (FIG. 28-1). 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 truck body as shown in FIG. 28-1. If standing on platform with the load, stand in the footprint area shown and comply with the WARNING on page 19.



CART STOPS CLOSED FIG. 28-3

 Unload the platform with cart stops at ground level as follows. Make sure cart stops are closed when unloading the platform (FIG. 28-2). Move cart enough to close cart stop. Then, move load off the platform as shown in FIG. 28-3.



USING RETENTION RAMP (IF EQUIPPED)

To prevent injuries caused by tripping and falling, make sure retention ramp is in the ramp position before walking on and off outboard end of platform.

NOTE: Some Liftgates are equipped with a retention ramp. A retention ramp, like a cart stop, prevents a load from rolling or sliding off outboard end of platform. Unlike a cart stop, a retention ramp lets you use the entire load surface of platform. The catches on top of the flipover and a cam-like hinge action keep retention ramp stowed when not in use. The cam-like hinge also allows the retention ramp to be rotated and locked in retention position or in ramp position. The following procedure shows how to operate a retention ramp.



FIG. 29-1

USING RETENTION RAMP (IF EQUIPPED) - Continued

To prevent injuries, stay clear of the retention ramp path as it is moved to ramp position. Go to either side of the ramp and stay out of the way.

NOTE: To unhook the retention ramp, stand at the RH side of flipover. After the retention ramp is unhooked, the recommended place for handling the retention ramp is at the center of the free edge (FIG. 30-2).



FIG. 30-2



To prevent injuries, stay clear of the retention ramp path as it is moved to ramp position. Go to either side of the ramp and stay out of the way.

 Continue to pull retention ramp to the retention position (FIG. 31-1) and then to ramp position (FIG. 31-2).







MOVING TO RAMP POSITION (RH VIEW OF FLIP OVER) FIG. 31-2

 When cart is on platform, place the retention ramp in the retention position (FIGS. 31-3 and 31-4). Next, stand in the footprint area shown in FIG. 31-3.

mp in (FIGS. , stand hown in RETENTION RAMP

> RAMP IN RETENTION POSITION FIG. 31-3



ROTATING TO RETENTION POSITION (RH VIEW OF FLIP OVER) FIG. 31-4

USING RETENTION RAMP (IF EQUIPPED) - Continued

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.

4. When loading the platform at bed level, make sure retention ramp is in the retention position (FIGS. 32-1 and 32-2). 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 truck body as shown in FIG. 32-1. If standing on platform with the load, stand in the footprint area shown and comply with the WARNING on page 19.



UNLOADING PLATFORM AT GROUND LEVEL (RAMP POSITION) FIG. 32-3

 Unload the platform with retention ramp at ground level as follows. Make sure retention ramp is in the ramp position when unloading the platform (FIGS. 32-2 and 32-3). Move cart enough to reposition retention ramp. Then, move load off the platform as shown in FIG. 32-3. 6. To stow, rotate retention ramp to retention position and then to the flat position on flipover as shown in FIG. 33-1.



ROTATING RAMP TO STOWED POSITION (RH VIEW OF FLIPOVER) FIG. 33-1



STOWING THE RAMP (TOP VIEW OF FLIPOVER) FIG. 33-2

 Push the retention ramp fully into the catches (FIG. 33-2). Make sure retention ramp is hooked to the flipover (FIG. 33-3).

