

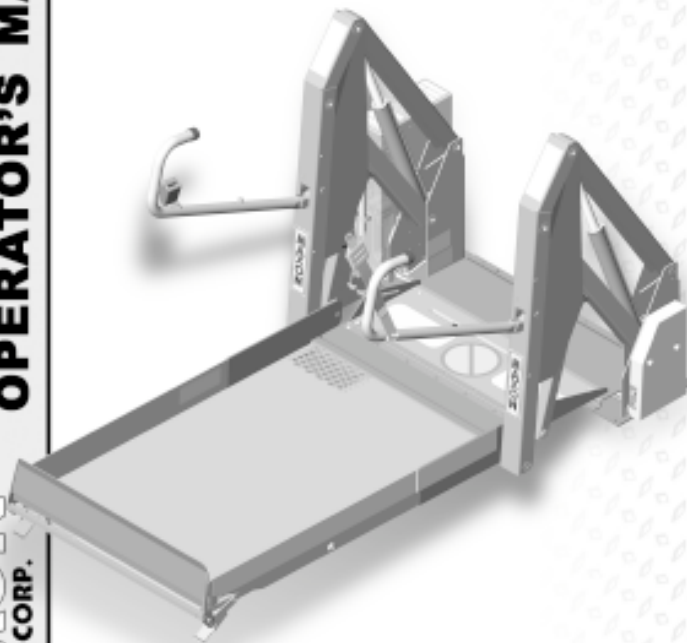
# MAXON<sup>®</sup> MOBILITY™

## WHEELCHAIR LIFT OPERATOR'S MANUAL

MAXON<sup>®</sup>  
LIFT CORP.

### Operator's Manual Contains:

- Safety Summary
- Lift Terminology
- Decals Locations
- Operating Instructions



M-00-37  
REV. B  
JUNE 2003

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## INTRODUCTION

This manual contains safety information and operating instructions for the Maxon Wheelchair and Standing Occupant Lift. Read and understand the WARNINGS, SAFETY CONSIDERATIONS, and operating instructions in this manual, before operating the Lift.

## SAFETY SUMMARY

### **WARNING**

1. This Wheelchair Lift is intended for Commercial Use and to be operated by an Attendant. Do Not attempt to ride Lift without the assistance of an Attendant.
2. Incorrect operation of this Lift can result in serious personal injury. Comply with the WARNINGS and Lift operating instructions in this manual. Do not allow untrained persons to operate the Lift. If you need to replace an Operator's Manual, additional copies are available from:  

**MAXON Lift Corp.**  
**11921 Slauson Ave**  
**Santa Fe Springs, CA 90670**  
**(800) 227-4116**
3. Do not exceed rated load capacity of Lift which is **800 lbs. (364 kg)**.
4. Do not allow any part of your body, or the Lift occupant's body, to be placed under, within, or around any portion of the moving Lift or its mechanisms, or in a position that would trap them between the platform and the ground (or vehicle) when Lift is operated.
5. Consider the safety and location of bystanders and location of nearby objects when operating the Lift. Stand to one side of platform while operating the Lift. Be certain that the area the Lift will move through during operation is clear of all obstacles.

6. Fasten Occupant Restraint Belt Before Operating Lift, but never tighten the belt. Leave a minimum of 3"-4" slack in the belt. Lift will not operate correctly and may become a hazard if belt is tight.
7. If Lift is not operated for several days or more it may need to be repressurized. Use manual pump to pressurize the system before operating the Lift again. Low hydraulic pressure may cause Lift to operate incorrectly and become a hazard.
8. Always operate the Lift with the vehicle emergency brake set and vehicle parked on Level ground. Operating Lift without emergency brake set or parked on an incline may create a hazard for occupant and attendant.
9. Comply with all attached instruction decals and warning decals.
10. Above all, USE GOOD COMMON SENSE when operating this Lift.
11. Do not move vehicle when door is open.

#### **ADDITIONAL SAFETY CONSIDERATIONS**

1. When using the Lift, wheelchair may face outboard or inboard. If possible, position the wheelchair with occupant facing outboard.
2. Standing occupant may face outboard or inboard. If possible, position standing occupant on the Lift, facing the direction of travel (face vehicle when entering or face away when exiting).

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## DAILY OPERATION CHECKLIST

**NOTE:** Operation checks should be performed by the Lift Operator.

- 1. Before operating the Wheelchair Lift:**
- Park vehicle on level ground, shift vehicle transmission to PARK, and set vehicle emergency brake.**
- From inside of vehicle, visually inspect Lift for bent or broken parts or hydraulic fluid around the base.
- Observe if any Lift components appear bent or broken.**
- Check the indicator light on the Lift pump cover. If indicator is illuminated, vehicle power is available to operate the Lift.**

**NOTE:** If any of the before operating checks have incorrect indications, do not operate the Lift until repairs are performed by a qualified technician.

- 2. Operate the Lift through one cycle.**
- Use Lift operating instructions in this manual to UNFOLD, LOWER, RAISE, and FOLD platform.
- Make sure the Lift responds properly to hand control switches.**
- Listen for unusual noises while the Lift operates.**
- Watch for uneven movement of the Lift arms, platform, and inboard and outboard rollstops.**

**NOTE:** If any of the Lift operating checks have incorrect indications, discontinue operating Lift until repairs are performed by a qualified technician.

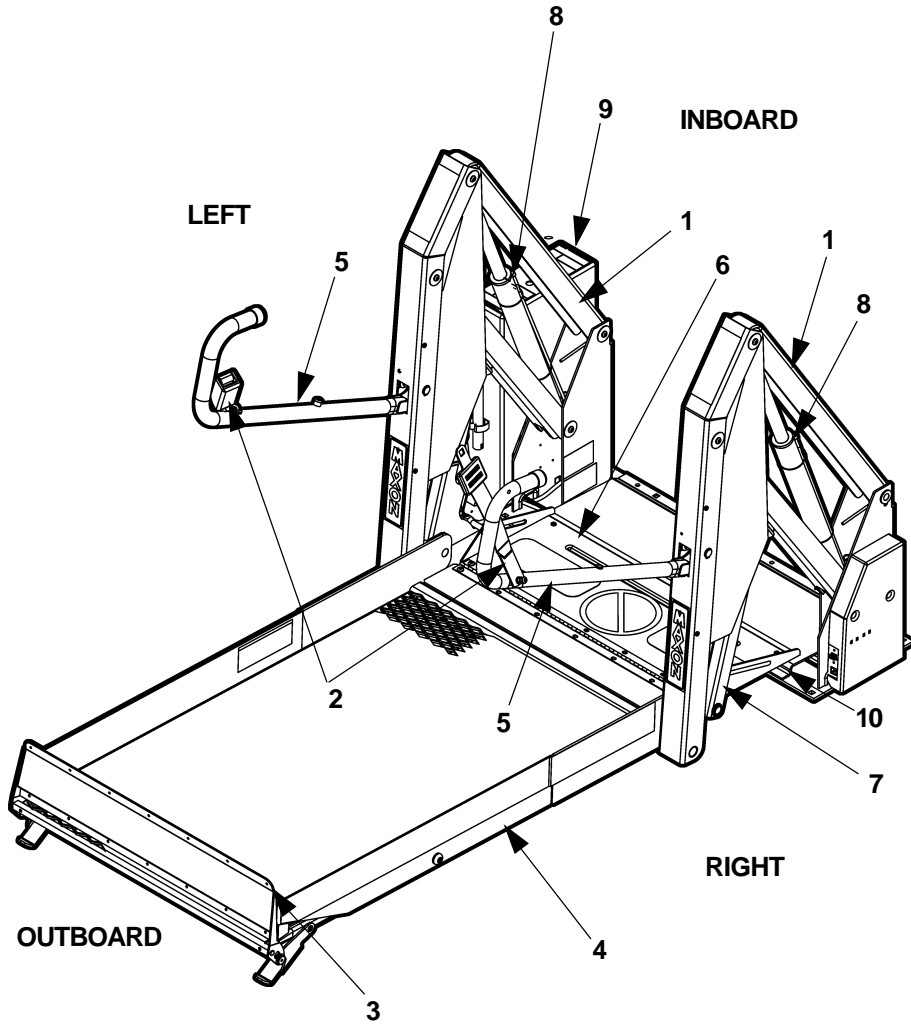
## LIFT TERMINOLOGY

Lift references used throughout this manual are defined below and illustrated on opposite page.

ITEM	NAME	DESCRIPTION
1	TRAVELING ARM ASSY.	(Left/Right) Upper and Lower Links connecting each Vertical Arm on Platform Assembly to Base Assembly.
2	OCCUPANT RESTRAINT	Occupant Restraint is a belt that acts as a barrier to keep the Wheelchair from rolling off the Platform. Belt must be engaged to start operation.
3	OUTBOARD ROLLSTOP ASSY.	Barrier to prevent the Wheelchair from rolling off of the Platform. Also provides entry/exit ramp for platform.
4	PLATFORM ASSEMBLY	Holds the Wheelchair and Occupant during "UP/DOWN" operation. between vehicle floor and the ground.
5	HANDRAIL (LH/RH)	Provides a hand hold for the Lift occupant.
6	INBOARD ROLLSTOP ASSY.	Barrier to prevent the Wheelchair from rolling off inboard side of platform. Also, provides bridge between Lift Platform and Vehicle Door Threshold.
7	KNUCKLE ASSEMBLY	(Left/Right) Linkage which folds the Platform.
8	HYDRAULIC CYLINDER	(Left/Right) Telescoping Steel Tube that folds and unfolds the lift, and moves the lift up and down.
9	HYDRAULIC POWER UNIT	Contains hydraulic pump, fluid lines and controls to operate the hydraulic cylinders.
10	BASE ASSEMBLY	Assembly that mounts Lift on the vehicle floor.

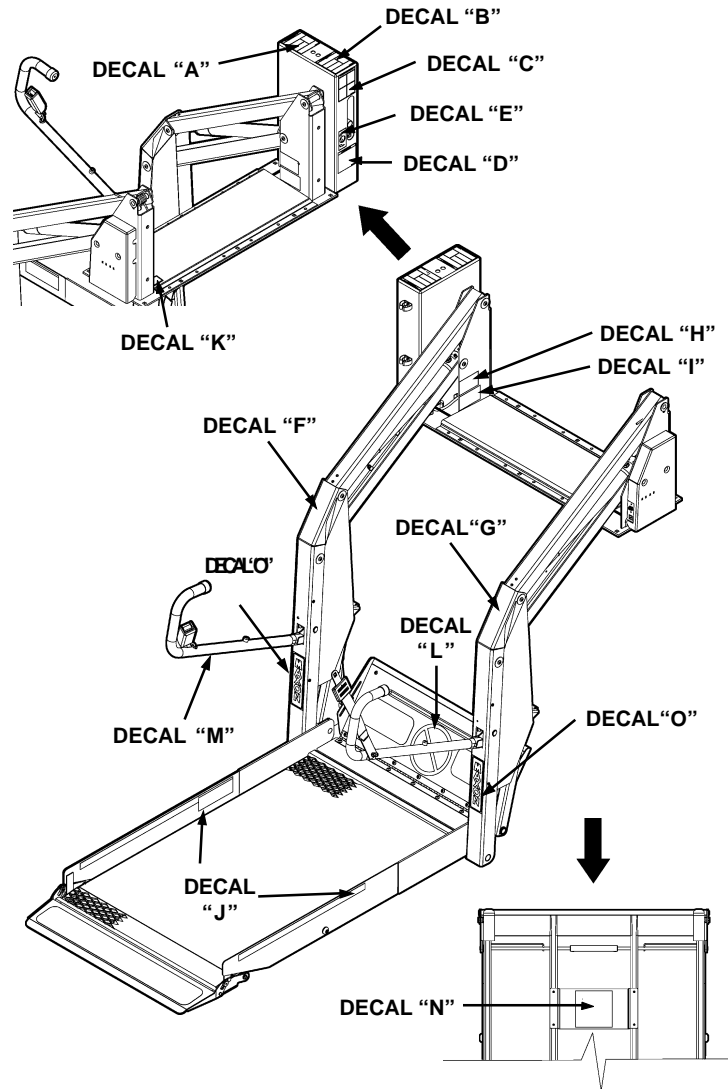


# LIFT TERMINOLOGY



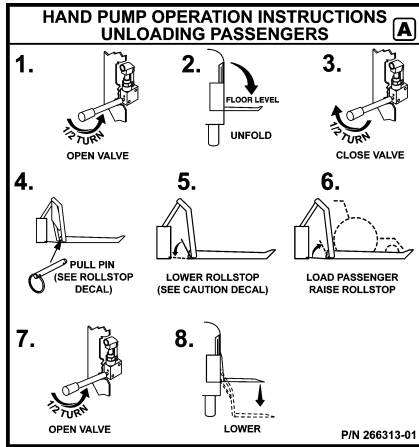
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## DECALS AND DECAL PLACEMENT

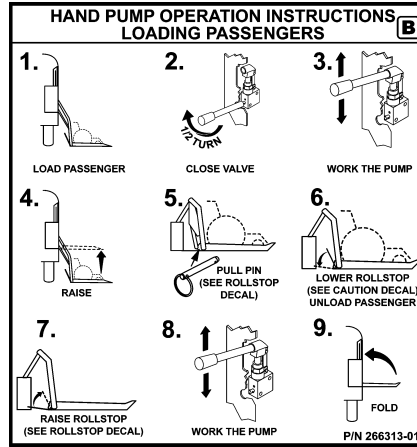


The Maxon Wheelchair Lift must have all warning and caution decals attached in readable condition. If decals are defaced or missing, replace them. Free replacements are available from Maxon. Contact:

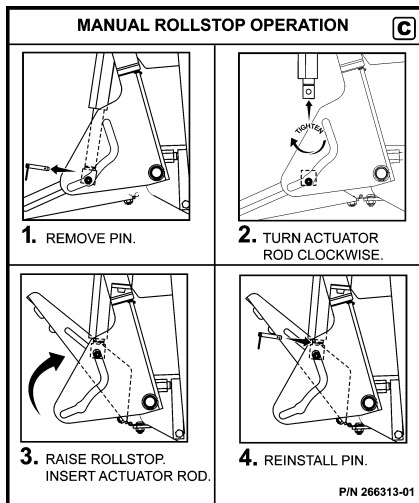
**Maxon Lift Corp., Parts Department**  
**11921 Slauson Ave., Santa Fe Springs, Ca.90670**  
**Phone: (800) 227-4116**  
**FAX: (888) 771-7713**



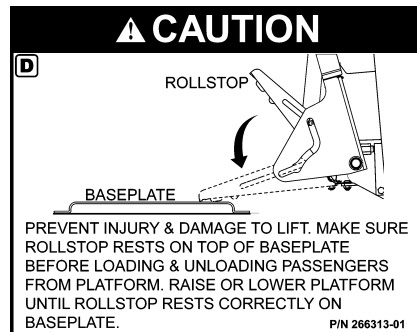
DECAL "A" P/N 266313-01



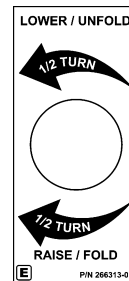
DECAL "B" P/N 266313-01



DECAL "C" P/N 266313-01



DECAL "D" P/N 266313-01



DECAL "E" P/N 266313-01

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## DECALS AND DECAL PLACEMENT - Continued

### OPERATING INSTRUCTIONS:

#### ENTER VEHICLE

1. Fully open and secure door(s).
2. Activate **UNFOLD** switch to open platform to horizontal position.
3. Activate **LOWER** switch to lower platform to ground level.
4. Position Wheelchair centrally on platform and **LOCK WHEELCHAIR BRAKES**.
5. Fasten Occupant Restraint Belt.
6. Activate **RAISE** switch to raise platform to vehicle floor level.
7. Release wheelchair brakes and enter vehicle.

#### EXIT VEHICLE

1. Fully open and secure door(s).
2. Activate **UNFOLD** switch to open platform to horizontal position.
3. Fasten Occupant Restraint Belt.
4. Position wheelchair centrally on platform and **LOCK WHEELCHAIR BRAKES**.
5. Activate **LOWER** switch to lower platform to ground level.
6. Unlatch Occupant Restraint Belt and place on hook provided.
7. Release wheelchair brakes and exit platform.

#### STOW LIFT

From Vehicle Floor

1. Activate **FOLD** switch to close platform. Fold operation will stop automatically when completed.

#### From Ground Level

1. Activate **RAISE** switch to raise platform to vehicle floor level.
2. Activate **FOLD** switch to close platform. Fold operation will stop automatically when completed.
3. Close Door(s) P/N 261389

**DECAL "F" P/N 261389**

<b>MAXON®</b>		
0042FA00001	800	WL-6A-A
SERIAL	CAPACITY <small>(LBS)</small>	MODEL
SANTA FE SPRINGS CALIF.		
MADE IN MEXICO		
MO. <input type="text"/>	YEAR <input type="text"/>	<small>905272</small>

**DECAL "H" P/N 905272**

### COMMERCIAL WHEELCHAIR LIFT

## ⚠ WARNING

- This Wheelchair Lift is intended for Commercial Use and to be operated by an Attendant. Do Not attempt to ride Lift without the assistance of an Attendant.
- 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 Operator's Manual, additional copies are available from:

**MAXON Lift Corp.**  
**11921 Slauson Ave**  
**Santa Fe Springs, CA 90670**  
**(800) 227-4116**

- Be certain the vehicle is properly and securely braked before using the lift.
- Prior to use, inspect the Lift for maintenance or damage. If a problem exists, do not use Lift until it is corrected.

**Do not exceed rated load  
capacity of Lift which is  
800 lbs. (364 kg).**

- Do not allow any part of yours or your rider's body to be placed under, within, or around any portion of the moving Lift or its mechanisms, or in a position that would trap them between the platform and the ground or vehicle when the Lift is operated.
- Be certain that the area the Lift will move through during operation is clear of all obstacles.
- Above all, USE GOOD COMMON SENSE when operating this Lift.

P/N 265352

**DECAL "G" P/N 265352**

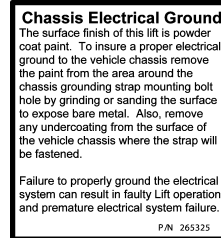
The MAXON Lift Corp.  
 certifies that this wheelchair lift conforms to all applicable requirements of the Americans w/Disabilities Act of 1990, the National Standards for School Buses and the California Code of Regulations requirements in effect on the date of manufacture.

P/N 265112

**DECAL "I" P/N 265112**



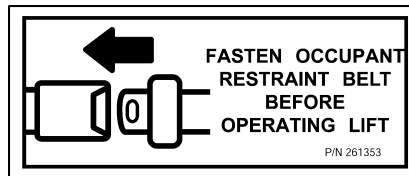
DECAL "J" P/N 265110



DECAL "K" P/N 265325



DECAL "L" P/N 261444



DECAL "M" P/N 261353



DECAL "N" P/N 261357



DECAL "O" P/N 261367

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## OPERATING INSTRUCTIONS

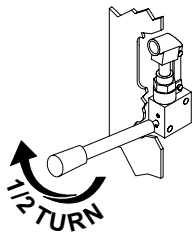
## PRESSURIZE LIFT



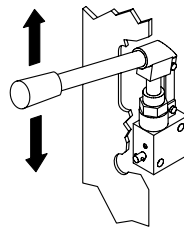
### WARNING

If Lift is not operated for several days or more it may need to be repressurized. Use manual pump to pressurize the system before operating the Lift or opening lift access door on vehicle again. Low hydraulic pressure may cause Lift to operate incorrectly and become a hazard.

1. Make sure pressure release valve is closed as follows. Close pressure release valve on pump by using MANUAL BACKUP HANDLE to turn valve fitting 1/2 turn clockwise (**FIG. 1**). Insert MANUAL BACKUP HANDLE in manual pump actuator. Pump the handle up and down (**FIG. 2**) until you feel resistance.



**FIG. 1 CLOSING PRESSURE  
RELEASE VALVE**



**FIG. 2 PUMPING MANUAL  
BACKUP HANDLE**

2. Store MANUAL BACKUP HANDLE on outside of pump cover by fastening handle in the clips provided.

## ENTER VEHICLE

1. Fully open and secure Wheelchair Lift access door(s) on the vehicle.
2. Activate **UNFOLD** switch on Lift **HAND CONTROL (FIG.4)** to open **PLATFORM** to horizontal position (**FIG.3**).

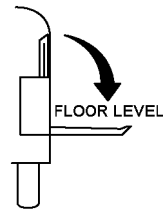


FIG.3 UNFOLD PLATFORM

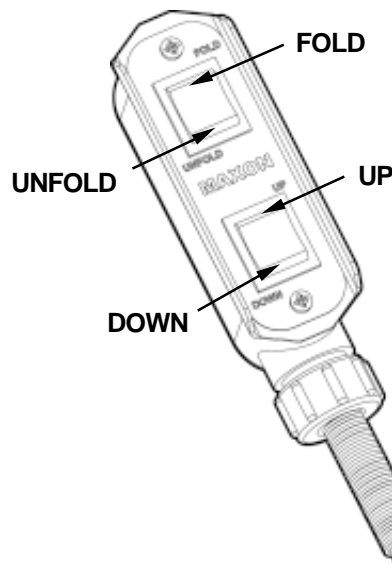
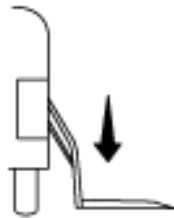


FIG.4 WHEELCHAIR LIFT HAND CONTROL

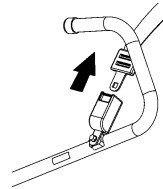


3. Activate **DOWN** switch on Lift HAND CONTROL (**FIG. 4**) to lower PLATFORM to ground level (**FIG. 5**).

4. Unfasten OCCUPANT RESTRAINT BELT (**FIG. 6**), and place on hook provided.



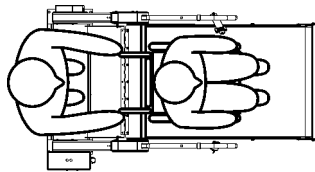
**FIG. 5 LOWER PLATFORM TO GROUND**



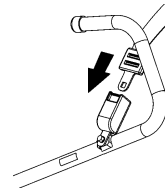
**FIG. 6 UNFASTEN OCCUPANT RESTRAINT BELT**

5. Position Wheelchair centrally on Lift PLATFORM (**FIG. 7**) and LOCK WHEELCHAIR BRAKES.

6. Fasten OCCUPANT RESTRAINT BELT allowing 3" - 4" of slack (**FIG. 8**).



**FIG. 7 TYPICAL ATTENDANT POSITIONING OCCUPANT ON PLATFORM**



**FIG. 8 FASTEN OCCUPANT RESTRAINT BELT**

### ENTER VEHICLE - Continued

7. Activate **UP** switch on Lift HAND CONTROL (**FIG. 9**) to raise PLAT-FORM to vehicle floor level (**FIG. 10**).

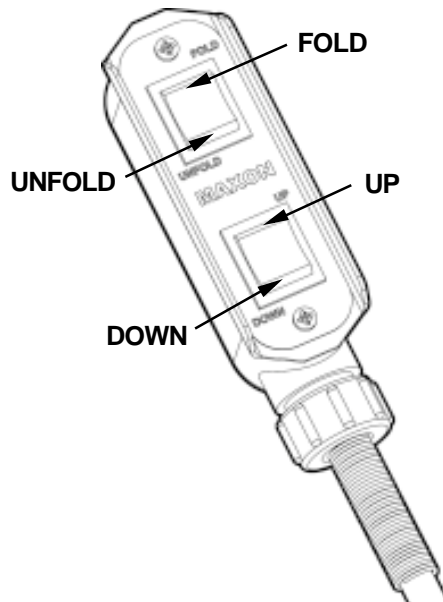


FIG. 9 WHEELCHAIR LIFT HAND CONTROL

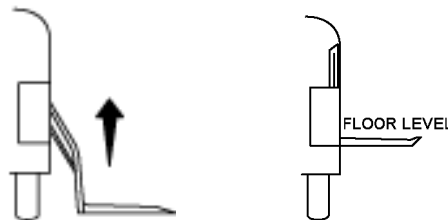


FIG. 10 RAISING LIFT UP TO VEHICLE FLOOR LEVEL

8. RELEASE WHEELCHAIR BRAKES and enter vehicle.

## EXIT VEHICLE

1. Fully open and secure Wheelchair Lift access door(s) on the vehicle.
2. Activate **UNFOLD** switch on Lift HAND CONTROL (**FIG. 9**) to open PLATFORM to horizontal position (**FIG. 11**).

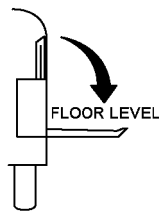


FIG.11 UNFOLD PLATFORM

3. Make sure OCCUPANT RESTRAINT BELT is fastened (**FIG. 12**) with 3" - 4" of slack in belt.

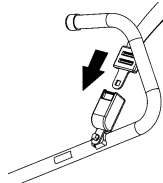


FIG. 12 FASTEN OCCUPANT RESTRAINT BELT

4. Position wheelchair centrally on PLATFORM (**FIG. 13**) and LOCK WHEELCHAIR BRAKES.

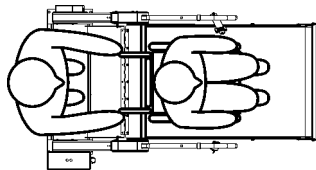
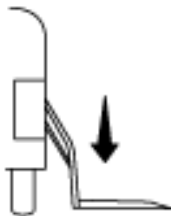


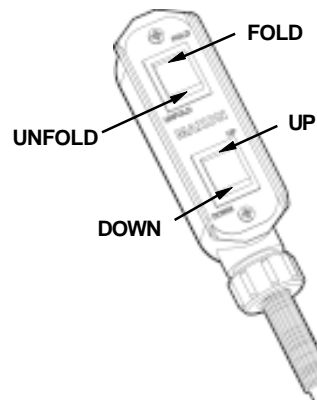
FIG. 13 TYPICAL ATTENDANT POSITIONING OCCUPANT ON PLATFORM

## EXIT VEHICLE - Continued

5. Activate **DOWN** switch on Lift HAND CONTROL (**FIG. 15**) to lower PLATFORM to ground level (**FIG. 14**).

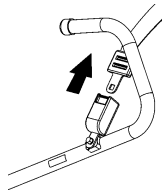


**FIG. 14 LOWER PLATFORM TO GROUND**



**FIG. 15 WHEELCHAIR LIFT HAND CONTROL**

6. Unfasten OCCUPANT RESTRAINT BELT (**FIG. 16**) and place on hook provided.
7. RELEASE WHEELCHAIR BRAKES and exit platform.



**FIG. 16 UNFASTEN OCCUPANT RESTRAINT BELT**

## STOW LIFT FROM VEHICLE FLOOR

1. Activate **FOLD** switch on Lift HAND CONTROL (FIG.19) to close PLATFORM (FIG. 17). Fold operation will stop automatically when completed.



FIG. 17 FOLDING PLATFORM UP INTO VEHICLE

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## STOW LIFT FROM GROUND LEVEL

1. Fasten OCCUPANT RESTRAINT BELT (FIG. 18) leaving 3" - 4" of slack in belt.

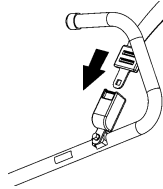


FIG. 18 FASTEN OCCUPANT RESTRAINT BELT

2. Activate **UP** switch on Lift HAND CONTROL (FIG.20) to raise PLATFORM to vehicle floor level (FIG. 19).

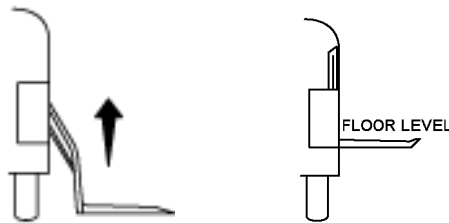


FIG. 19 RAISING LIFT UP TO VEHICLE FLOOR LEVEL

## STOW LIFT FROM GROUND LEVEL - Continued

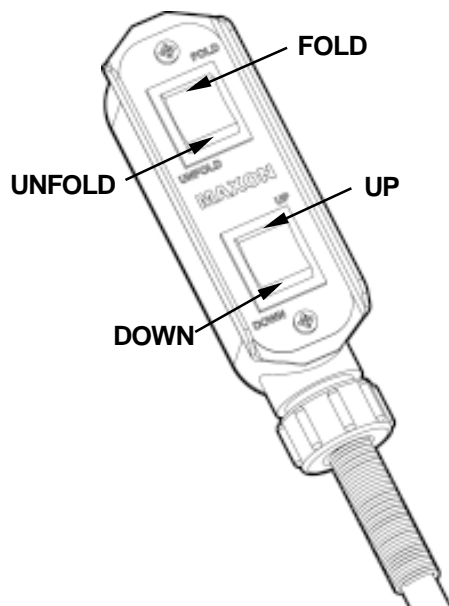


FIG.20 WHEELCHAIR LIFT HAND CONTROL

3. Activate **FOLD** switch on Lift HAND CONTROL (**FIG. 20**) to close PLATFORM (**FIG. 21**). Fold operation will stop automatically when completed.

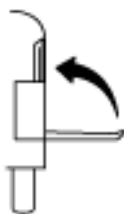


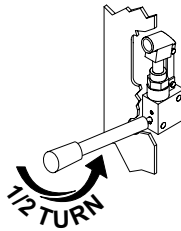
FIG. 21 FOLDING PLATFORM UP INTO VEHICLE

## MANUAL PUMP OPERATION

**NOTE:** Manual pump operating instructions for the Lift are also located on pump cover. See **DECALS AND DECAL PLACEMENT** in this manual.

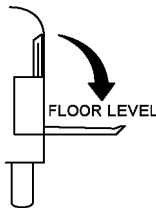
### UNLOADING OCCUPANT

1. Remove MANUAL BACKUP HANDLE from clips on the pump cover.
2. Unfold Lift PLATFORM as follows. Open pressure release valve on pump by using MANUAL BACKUP HANDLE to turn valve fitting 1/2 turn counter-clockwise (**FIG. 22**).



**FIG. 22 OPEN PRESSURE  
RELEASE VALVE**

3. Observe PLATFORM unfolding to horizontal position at vehicle floor level (**FIG. 23**).

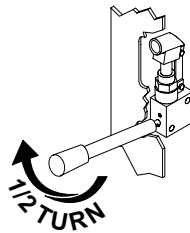


**FIG. 23 UNFOLD PLATFORM**

## MANUAL PUMP OPERATION - Continued

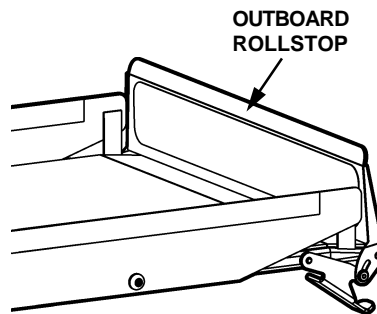
### UNLOADING OCCUPANT

4. When PLATFORM reaches floor level, close pressure release valve on pump by using MANUAL BACKUP HANDLE to turn valve fitting 1/2 turn clockwise (**FIG. 24**).



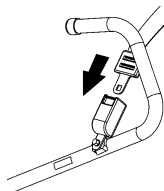
**FIG. 24 CLOSE PRESSURE  
RELEASE VALVE**

5. Ensure OUTBOARD ROLLSTOP is locked in the up position (**FIG. 25**).



**FIG. 25 OUTBOARD ROLLSTOP  
IN UP POSITION**

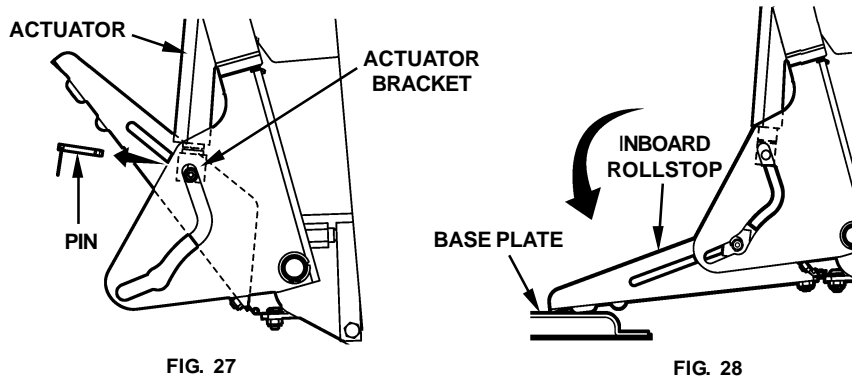
6. Ensure OCCUPANT RESTRAINT BELT (**FIG. 26**) is fastened. Allow 3" - 4" of slack in belt.



**FIG. 26 FASTEN OCCUPANT  
RESTRAINT BELT**



7. Unpin ACTUATOR BRACKET (**FIG. 27**) from ACTUATOR. Manually LOWER the INBOARD ROLLSTOP to BASE PLATE (**FIG. 28**).



8. Roll wheelchair (or guide standing occupant) out to middle of PLATFORM (**FIG. 29**). LOCK WHEELCHAIR BRAKES.

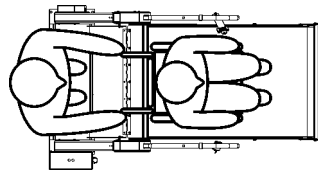


FIG. 29 TYPICAL ATTENDANT POSITIONING OCCUPANT ON PLATFORM

9. Manually RAISE the INBOARD ROLLSTOP (**FIG. 30**). Pin ACTUATOR BRACKET to ACTUATOR (**FIG. 30**).

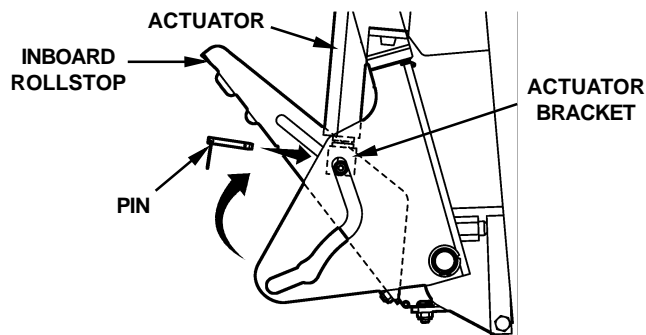
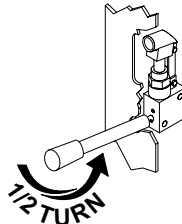


FIG. 30

## MANUAL PUMP OPERATION - Continued

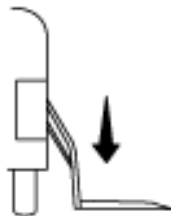
### UNLOADING OCCUPANT

10. Lower Lift PLATFORM as follows. Re-enter the vehicle to access manual pump. Open pressure release valve on pump by using MANUAL BACKUP HANDLE to turn valve fitting 1/2 turn counter-clockwise (**FIG. 31**).



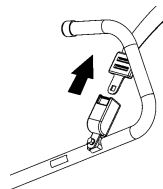
**FIG. 31 OPEN PRESSURE RELEASE VALVE**

11. Watch PLATFORM (**FIG. 32**) as it lowers occupant to the ground.



**FIG. 32 LOWER PLATFORM TO GROUND**

12. Unfasten OCCUPANT RESTRAINT BELT (**FIG. 33**). Store on hanger provided.



**FIG. 33 UNFASTEN OCCUPANT RESTRAINT BELT**

13. Roll wheelchair (or guide standing occupant) off the PLATFORM and into the unloading area.

## LOADING OCCUPANT

1. Unfold and lower Lift PLATFORM as follows. Turn pressure release valve on pump by using MANUAL BACKUP HANDLE to turn valve fitting 1/2 turn counter-clockwise (**FIG. 34**). Observe PLATFORM unfolding to horizontal position at vehicle floor level, and then lowering to ground level (**FIG. 35**).

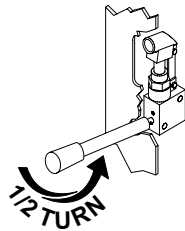


FIG. 34 OPEN PRESSURE  
RELEASE VALVE

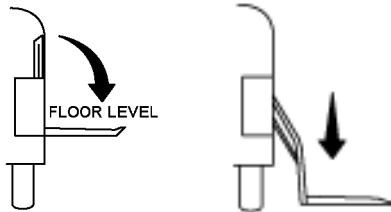


FIG. 35 UNFOLDING AND LOWERING PLATFORM

2. When PLATFORM reaches ground level, close pressure release valve on pump by using MANUAL BACKUP HANDLE to turn valve fitting 1/2 turn clockwise (**FIG. 36**).

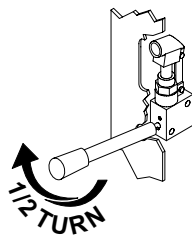
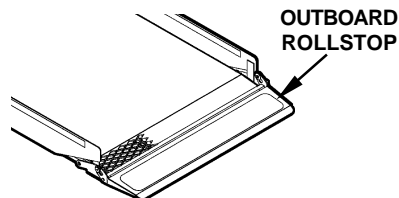


FIG. 36 CLOSE PRESSURE  
RELEASE VALVE

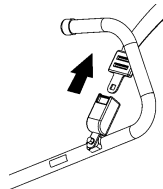
## MANUAL PUMP OPERATION - Continued LOADING OCCUPANT

3. Ensure OUTBOARD ROLLSTOP on Lift PLATFORM is opened to the horizontal position (**FIG. 37**).



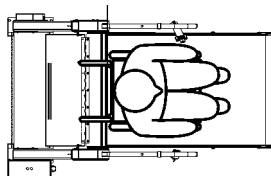
**FIG. 37 OUTBOARD ROLLSTOP  
IN HORIZONTAL POSITION**

4. Unfasten OCCUPANT RESTRAINT BELT (**FIG. 38**). Store on hanger provided.



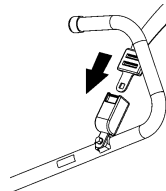
**FIG. 38 UNFASTEN OCCUPANT  
RESTRAINT BELT**

5. Roll wheelchair (or guide standing occupant) to the middle of PLATFORM (**FIG.39**).



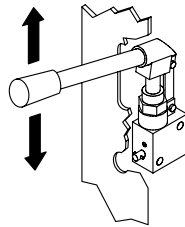
**FIG. 39 TYPICAL OCCUPANT POSITIONED  
ON PLATFORM**

6. Fasten OCCUPANT RESTRAINT BELT (**FIG. 40**). Allow 3" - 4" of slack in belt.

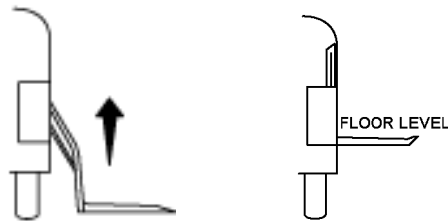


**FIG. 40 FASTEN OCCUPANT  
RESTRAINT BELT**

7. Raise Lift PLATFORM as follows. Insert MANUAL BACKUP HANDLE in manual pump actuator. Pump the handle up and down (**FIG. 41**) until PLATFORM is raised up even with the vehicle floor level (**FIG. 42**).

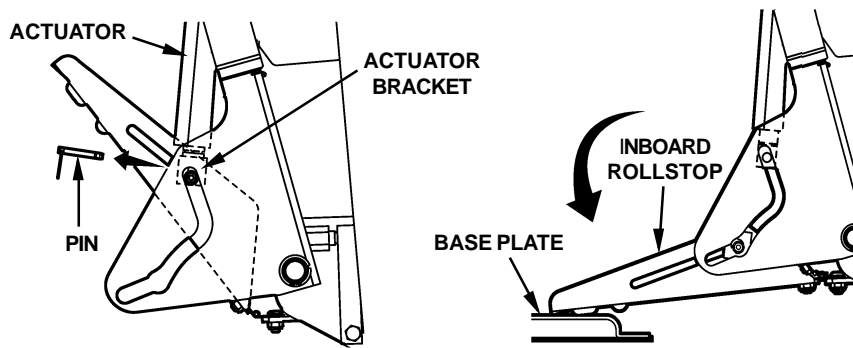


**FIG. 41 PUMPING MANUAL BACKUP HANDLE**



**FIG. 42 RAISING LIFT UP TO VEHICLE FLOOR LEVEL**

8. Unpin ACTUATOR BRACKET (**FIG. 43**) from ACTUATOR. Manually LOWER the INBOARD ROLLSTOP to BASE PLATE (**FIG. 44**).

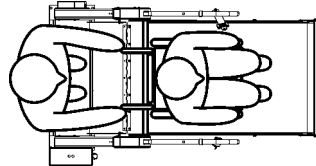


**FIG. 43**

**FIG. 44**

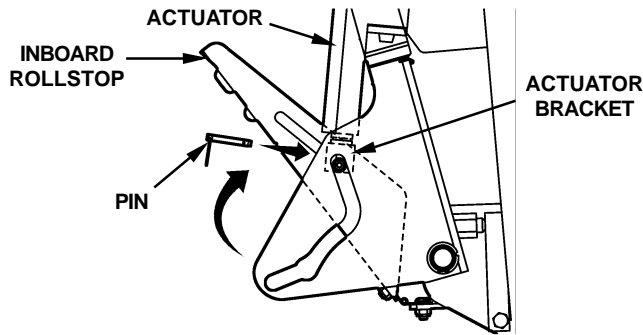
**MANUAL PUMP OPERATION - Continued**  
**LOADING OCCUPANT**

9. Roll wheelchair (or guide standing occupant) into vehicle (**FIG.45**).  
 Secure occupant in vehicle with correct restraint belts.



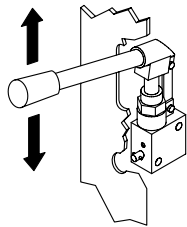
**FIG. 45 TYPICAL ATTENDANT WITH OCCUPANT ON PLATFORM**

10. Manually **RAISE** the **INBOARD ROLLSTOP** (**FIG. 46**). Pin **ACTUATOR BRACKET** to **ACTUATOR** (**FIG. 46**).

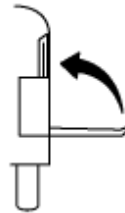


**FIG. 46**

11. Fold **PLATFORM** (**FIG. 48**) up into vehicle by pumping **MANUAL BACKUP HANDLE** up and down (**FIG. 47**) until **PLATFORM** is completely folded.



**FIG. 47 PUMPING MANUAL BACKUP HANDLE**



**FIG. 48 FOLDING PLATFORM UP INTO VEHICLE**

12. Store **MANUAL BACKUP HANDLE** on outside of pump cover by fastening handle in the clips provided.