OPERATING INSTRUCTIONS
FOR
WHEELCHAIR LIFT
MODEL NO. WL7A

DOT-Public Use Lift
PATENTS PENDING
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PATENTS PENDING
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

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. If equipped, fasten Seat 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. An ambulatory (standing) occupant may face outboard or inboard. If possible, position ambulatory occupant on the Lift, facing the direction of travel (face vehicle when entering or face away when exiting), and holding on the handrails.
DAILY PRE-OPERATION & OPERATION CHECKLIST

NOTE: PRE-OPERATION and OPERATION CHECKS should be performed by the Lift Operator.

PRE-OPERATION CHECKS

Park vehicle on level ground, shift vehicle transmission to PARK, and set vehicle emergency brake before doing the following checks.

- Visually check Lift for bent or broken parts, or for hydraulic fluid around base. Have hydraulic fluid leaks, and the fluid level in reservoir, checked by a qualified technician.
- Check for hydraulic fluid leaking from cylinders. Lift may be operated if cylinders are “weeping” a light film of hydraulic fluid. If hydraulic fluid drips from either cylinder, have it checked by a qualified technician.
- Check that all Decals are in place, undamaged, and legible (see DECALS pages).
- Check that all anti-slip and safety striping is in place (see ANTI-SLIP & SAFETY STRIPING pages).
- If the Lift is dirty, clean it.
- Make sure the ON/OFF switch on the Pump Cover is turned ON. If indicator on the switch is illuminated, Lift has power to operate.

NOTE: If any of the PRE-OPERATION CHECKS have incorrect indications, do not operate the Lift until repairs are performed by a qualified technician.

OPERATION CHECKS

Operate the Lift through one full cycle to do the following checks.

- 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 OPERATION CHECKS have incorrect indications, discontinue operating Lift until repairs are performed by a qualified technician.
MAINTENANCE SCHEDULE

**NOTE:** The Lift Controller counts the number of cycles & lifts over the lifetime of the Lift. One **CYCLE** is counted each time the Lift is unfolded from the stowed position to floor level, lowered to the ground, raised to floor level, and then stowed. One **LIFT** is counted each time the Lift is lowered from floor level to the ground, and raised back to floor level. Read the **LIFTS** and **CYCLES** counts from the Lift Controller display window periodically so you know when to do the maintenance checks listed below.

**NOTE:** Only a qualified technician should do the scheduled maintenance on this page and confirm compliance with **Federal Motor Vehicle Safety Standard 403**. For the compliance checks, refer to the **COMPLETED LIFT INSTALLATION CHECKLIST** in Installation Manual **MP-05-10**.

---

**EVERY 500 LIFTS**

- Check that all Decals are in place, undamaged, and legible (see **DECALS** pages).
- Check that all anti-slip and safety striping is in place and undamaged (see **ANTI-SLIP & SAFETY STRIPING** pages).

**EVERY 2500 CYCLES**

- Replace both latch Solenoids P/N 266955-01
- Apply multi-use teflon spray lubricant to all springs on the Lift.

**EVERY 5000 LIFTS**

- Replace both Platform light bulbs P/N 906475-01.

**EVERY 10000 LIFTS**

- Check both Hydraulic Cylinders for leaks. If a film of hydraulic fluid is visible on cylinder seals Lift can still be operated. However, if fluid is dripping from the cylinders, replace them.

---

**EVERY 500 LIFTS**

- Visually check the Lift for bent, broken, or worn out parts, and broken welds.
- Check the electrical wiring for worn insulation, and the terminals for corrosion and secure fit. Apply dielectric grease to connections if needed.
- Check for loose fasteners (nuts, bolts, screws & rivets). Also, check cotter pins, clevis pins, retaining ring pins & retaining rings for noticeable wear and damage.

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- Check the Lift Controller counts the number of cycles & lifts over the lifetime of the Lift. One **CYCLE** is counted each time the Lift is unfolded from the stowed position to floor level, lowered to the ground, raised to floor level, and then stowed. One **LIFT** is counted each time the Lift is lowered from floor level to the ground, and raised back to floor level. Read the **LIFTS** and **CYCLES** counts from the Lift Controller display window periodically so you know when to do the maintenance checks listed below.

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LIFT COMPONENTS & TERMINOLOGY

LIFT COMPONENTS (SEE TABLE 9-1)

FIG. 8-1
<table>
<thead>
<tr>
<th>ITEM</th>
<th>NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>THRESHHOLD PLATE</td>
<td>Component that bridges the entry way, through the Lift, into the vehicle. Detects if that portion of Lift is occupied during &quot;UP/DOWN&quot; operation between vehicle floor and the ground.</td>
</tr>
<tr>
<td>2</td>
<td>OUTBOARD ROLLSTOP</td>
<td>Barrier to prevent the Wheelchair from rolling off of the Platform. Also provides entry/exit ramp for Platform on the ground.</td>
</tr>
<tr>
<td>3</td>
<td>PLATFORM</td>
<td>Contains the Wheelchair and Occupant during &quot;UP/DOWN&quot; operation between vehicle floor and the ground.</td>
</tr>
<tr>
<td>4</td>
<td>HANDRAILS</td>
<td>(Left/Right) Provides a hand hold for the Lift Occupant.</td>
</tr>
<tr>
<td>5</td>
<td>INBOARD ROLLSTOP</td>
<td>Barrier to prevent the Wheelchair from rolling off inboard side of Platform. Also, provides bridge between Platform and Threshold.</td>
</tr>
<tr>
<td>6</td>
<td>HYDRAULIC CYLINDER</td>
<td>(Left/Right) Telescoping steel tube and rod, pressurized by hydraulic fluid, that folds and unfolds the Lift and moves the Lift up and down.</td>
</tr>
<tr>
<td>7</td>
<td>HYDRAULIC POWER UNIT</td>
<td>Contains motorized hydraulic pump, manually operated backup pump, fluid lines, and controls to operate the hydraulic cylinders.</td>
</tr>
<tr>
<td>8</td>
<td>LIFT CONTROLLER</td>
<td>Electronic device that controls and monitors Lift operation and the interlock connection with the vehicle.</td>
</tr>
<tr>
<td>9</td>
<td>BASE</td>
<td>Structure that secures Lift to the vehicle floor.</td>
</tr>
<tr>
<td>10</td>
<td>THRESHHOLD WARNING BEACON</td>
<td>Flashing red light indicates Threshold is occupied by a person or object during &quot;UP/DOWN&quot; operation between vehicle floor and the ground.</td>
</tr>
<tr>
<td>11</td>
<td>THRESHHOLD WARNING ALARM</td>
<td>Audible alarm sounds when Threshold is occupied by a person or object during &quot;UP/DOWN&quot; operation between vehicle floor and the ground.</td>
</tr>
<tr>
<td>12</td>
<td>PLATFORM LIGHTS</td>
<td>Illuminates the Platform when ready to load at floor level and during &quot;UP/DOWN&quot; operation between vehicle floor and the ground.</td>
</tr>
</tbody>
</table>
All WARNING, CAUTION, and OPERATION decals provided with Wheelchair Lift must always be in place on the Lift and must always be legible. If decals are missing or illegible, get free replacement decals from:

MAXON Lift Corp. - Customer Service
11921 Slauson Ave., Santa Fe Springs, CA 90670
Phone: (800) 227-4116 FAX: (888) 771-7713
E-mail: cservice@maxonlift.com
STANDING POSITION ON PLATFORM

Position a standing passenger in center of platform between handrails, gripping handrails, and facing direction of travel.

Chassis Electrical Ground
The surface finish of this lift is powder coat paint. To assure a proper electrical ground to the vehicle chassis, remove the paint from the area around the chassis grounding strap mounting bolt hole by grinding or sanding the surface to expose bare metal. Also, remove any undercoating from the surface of the vehicle chassis where the strap will be fastened.

WARNING
This wheelchair lift must be operated by an attendant or 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 and safety summary contained in the operator’s manual. If you do not have a copy of the operator’s manual, additional copies are available from MAXON LIFT CORP. 11531 IBAUROWN AVE SANTA FE SPRINGS, CA 90670 (800) 327-4116 www.maxonmobility.com

To automatically maintain hydraulic pressure when lift is stowed, keep power switch on.

DECAL SET P/N 267620-01
FIG. 11-1

OPERATING INSTRUCTIONS

STOWED
1. FULLY OPEN AND SECURE WHEELCHAIR DOOR(S).
2. MAKE SURE SEAT BELT IS FASTENED IF EQUIPPED.
3. PUSH FOLD SWITCH FOR 1-2 SECONDS.
4. PUSH UNFOLD SWITCH TO UNFOLD PLATFORM TO VEHICLE FLOOR LEVEL.

LOAD PASSENGERS:
1. PUSH OPEN SWITCH TO LOWER PLATFORM TO GROUND LEVEL.
2. UNFASTEN SEAT BELT IF EQUIPPED.
3. POSITION WHEELCHAIR IN THE CENTER OF PLATFORM AND LOCK WHEELCHAIR BRACKES.
4. FASTEN SEAT BELT IF EQUIPPED.
5. PUSH UP SWITCH TO RAISE PLATFORM TO VEHICLE FLOOR LEVEL.
6. RELEASE WHEELCHAIR BRACKES.
7. LOAD WHEELCHAIR IN VEHICLE.
8. UNLOAD PASSENGERS:
9. POSITION WHEELCHAIR IN THE CENTER OF PLATFORM AND LOCK WHEELCHAIR BRACKES.
10. MAKE SURE SEAT BELT IS FASTENED IF EQUIPPED.
11. PUSH OPEN SWITCH TO LOWER PLATFORM TO GROUND LEVEL.
12. UNFASTEN SEAT BELT IF EQUIPPED.
13. RELEASE WHEELCHAIR BRACKES.
14. UNLOAD WHEELCHAIR FROM PLATFORM.

WARNING
To avoid possible injury, stand clear of the Lift Platform.

P/N 267620-01
The MAXON Lift Corp. certifies that this wheelchair lift conforms to all applicable requirements of the Americans with Disabilities Act of 1990, current National School Transportation Specifications and Procedures, and the California Code of Regulations requirements in effect on the date of manufacture.

CAUTION

To avoid possible injury and damage to equipment, never stand on Rollstop while Lift is operating.

DOT-
Public Use Lift

P/N 267620-01

DECAL-OVERLAY

P/N 2667630-01

SERIAL PLATE

P/N 905246-8

DECAL SET P/N 267620-01

FIG. 12-1
ANTISLIP & SAFETY STRIPING
(30" WIDE PLATFORM)
ANTI-SLIP & SAFETY STRIPING - Continued
(33” WIDE PLATFORM)
OPERATING INSTRUCTIONS

ENTER VEHICLE

**NOTE:** If equipped, Seat Belt must be fastened for Lift to operate.

1. Fully open and secure Wheelchair Lift access door(s) on the vehicle.

2. Apply power to the Lift by turning **ON** switch on the Pump Cover (**FIG. 15-2**). The switch is illuminated when turned **ON**.

3. Push the **UNFOLD** switch on **HAND CONTROL** (**FIG. 15-2**) to unfold **PLATFORM** to horizontal position (**FIG. 15-3**).

**NOTE:** If equipped, Seat Belt must be fastened for Lift to operate.
OPERATING INSTRUCTIONS - Continued

4. Push the **DOWN** switch on HAND CONTROL (FIG. 17-1) to lower PLATFORM to ground level (FIG. 16-1).

5. If equipped, unfasten SEAT BELT (FIG. 16-2), and place on hanger provided.

6. Position wheelchair or ambulatory occupant on the center of PLATFORM (FIG. 16-3). SET WHEELCHAIR BRAKES or SWITCH OFF POWERED WHEELCHAIR.

7. If equipped, fasten SEAT BELT allowing 3” - 4” of slack (FIG. 16-4).
8. Push the **UP** switch on HAND CONTROL (FIG. 17-1) to raise PLATFORM to vehicle floor level (FIG. 17-2).

9. **RELEASE WHEELCHAIR BRAKES** or SWITCH ON POWERED WHEELCHAIR. Move wheelchair or ambulatory occupant inside the vehicle.

**EXIT VEHICLE**

1. Fully open and secure Wheelchair Lift access door(s) on the vehicle.

2. Push the **UNFOLD** switch on HAND CONTROL (FIG. 17-1) to unfold PLATFORM to horizontal position (FIG. 17-3).

3. If equipped, make sure **SEAT BELT** is fastened (FIG. 17-4) with 3” - 4” of slack in belt.
4. Position wheelchair or ambulatory occupant on the center of platform (FIG. 18-1). SET WHEELCHAIR BRAKES OR SWITCH OFF POWERED WHEELCHAIR.

5. Push the DOWN switch on hand control (FIG. 19-1) to lower PLATFORM to ground level (FIG. 18-2).

6. If equipped, unfasten SEAT BELT (FIG. 18-3) and place on hanger provided.

7. RELEASE WHEELCHAIR BRAKES or SWITCH ON POWERED WHEELCHAIR. Move wheelchair or ambulatory occupant into the passenger unloading zone.

8. If equipped, make sure SEAT BELT is fastened (FIG. 18-4) with 3” - 4” of slack in belt.
STOW LIFT FROM VEHICLE FLOOR

Push the FOLD switch on HAND CONTROL (FIG. 19-1) to close PLATFORM (FIG. 19-2). Fold operation will stop automatically when completed.

STOW LIFT FROM GROUND LEVEL

1. If equipped, fasten SEAT BELT allowing 3” - 4” of slack (FIG. 19-3).

2. Push the UP switch on HAND CONTROL (FIG. 19-1) to raise PLATFORM to vehicle floor level (FIG. 19-4).

3. Push the FOLD switch on HAND CONTROL (FIG. 19-1) to fold PLATFORM (FIG. 19-2). Fold operation will stop automatically when completed.
OPERATING INSTRUCTIONS - Continued

MANUAL PUMP OPERATION

NOTE: If possible, keep the Lift power ON/OFF switch turned ON. In most cases, operating the Lift with Manual Pump may be easier if power is ON. Manual pump operating instructions for the Lift are also located on Pump Cover. See DECALS AND DECAL PLACEMENT in this manual.

If possible, apply power to the Lift by turning ON switch on the Pump Cover (FIG. 20-1). The switch is illuminated when turned ON.

LOADING & UNLOADING OCCUPANT

1. Reposition latches to manually unfold the Lift as follows. Raise latch off anchor pin (FIG. 20-2B) on LH side of Lift. Position the standoff to hold latch in place above the anchor pin (FIG. 20-2B). Repeat for latch on RH side of Lift.
2. Remove the MANUAL BACKUP HANDLE from clips on the Pump Cover (FIG. 21-1).

3. Unfold the PLATFORM as follows. Open pressure release valve on Manual Pump by turning MANUAL BACKUP HANDLE counter-clockwise (FIG. 20-2). Start with 1/4 turn and slowly increase to 1/2 turn counter-clockwise.

4. Observe the PLATFORM unfolding to horizontal position at vehicle floor level (FIG. 21-3).

5. When the PLATFORM reaches floor level, close pressure release valve on Manual Pump by turning MANUAL BACKUP HANDLE clockwise until tight (FIG. 20-4).
MANUAL PUMP OPERATION - Continued

6. Ensure OUTBOARD ROLLSTOP is raised up all the way (FIG. 22-1).

7. If equipped, make sure SEAT BELT is fastened (FIG. 22-2) with 3” - 4” of slack in belt.

NOTE: If there are no occupants to unload from vehicle, skip step 8.

8. Position wheelchair or ambulatory occupant on the center of Platform (FIG. 22-3).

SET WHEELCHAIR BRAKES OR SWITCH OFF POWERED WHEELCHAIR.

9. Lower the PLATFORM as follows. Re-enter the vehicle to access Manual Pump. Open pressure release valve on Manual Pump by turning MANUAL BACKUP HANDLE counter-clockwise (FIG. 22-4). Lower the Lift slowly below floor level and check if Inboard Rollstop raises up all the way.

FASTENING SEAT BELT FIG. 22-2

OPEN PRESSURE RELEASE VALVE FIG. 22-4

POSITIONING OCCUPANT ON PLATFORM FIG. 22-3

NOTE: If there are no occupants to unload from vehicle, skip step 8.
10. Watch PLATFORM (FIG. 23-1) as it lowers occupant to the ground.

11. When PLATFORM rests on the ground, close pressure release valve on Manual Pump by turning MANUAL BACKUP HANDLE clockwise until tight (FIG. 23-2).

12. If equipped, unfasten SEAT BELT (FIG. 23-3). Store on hanger provided.

13. Ensure OUTBOARD ROLLSTOP on Lift PLATFORM is opened to the horizontal position (FIG. 23-4).
MANUAL PUMP OPERATION - Continued

**NOTE:** If there are no occupants to unload, skip steps 14 & 15.

14. **RELEASE WHEELCHAIR BRAKES or SWITCH ON POWERED WHEELCHAIR.**
Move wheelchair or ambulatory occupant into the unloading zone.

15. Position wheelchair or ambulatory occupant on the center of Platform (FIG. 24-1).
**SET WHEELCHAIR BRAKES OR SWITCH OFF POWERED WHEELCHAIR.**

16. If equipped, fasten SEAT BELT FIG. 24-2. Allow 3” - 4” of slack in belt.
17. Raise the PLATFORM as follows. Insert MANUAL BACKUP HANDLE in Manual Pump actuator. Pump the handle up and down (FIG. 25-3) until PLATFORM is raised up even with the vehicle floor (FIG. 25-4) and Inboard Rollstop lowers to rest on Threshold Plate.

**CAUTION**

Prevent the MANUAL BACKUP HANDLE from getting damaged. Before you start pumping with the HANDLE, line up notches on tip of HANDLE as shown in FIG. 25-1. Then fully engage HANDLE with Manual Pump as shown in FIG. 25-2.

**NOTICES LINED UP VERTICAL**

**HANDLE - NOTCHES LINED UP CORRECTLY** FIG. 25-1

**HANDLE FULLY ENGAGED** FIG. 25-2

**PUMPING MANUAL BACKUP HANDLE** FIG. 25-3

**RAISING LIFT TO VEHICLE FLOOR** FIG. 25-4
18. RELEASE WHEELCHAIR BRAKES or SWITCH ON POWERED WHEELCHAIR. Move wheelchair or ambulatory occupant inside the vehicle.

19. Stow the Lift as follows. Pump the MANUAL BACKUP HANDLE up and down (FIG. 26-1) until PLATFORM folds up tightly inside the vehicle (FIG. 26-2).

20. Store MANUAL BACKUP HANDLE on Pump Cover (FIG. 26-3) using the clips provided.

NOTE: If there are no occupants to load on Platform, skip step 18.