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> [Harmar Mobility AL560 Powerchair Lift and AL105 Swing Away Joint Instruction Manual](#)

## Harmar AL560

# Harmar Mobility AL560 Powerchair Lift and AL105 Swing Away Joint Instruction Manual

Model: AL560 Automatic Powerchair Lift Outside Carrier with AL105 Swing Away Joint

## 1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Harmar Mobility AL560 Automatic Powerchair Lift Outside Carrier and AL105 Swing Away Joint. Please read all instructions carefully before using the product.

The Harmar AL560 is designed to transport power chairs securely on the exterior of a vehicle. The AL105 Swing Away Joint provides convenient access to the vehicle's rear cargo area without removing the lift.

## 2. SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions could result in serious injury or damage to the product or vehicle.

- Always ensure the lift is properly installed and secured to a Class III (2"x2") hitch receiver.
- Verify that the power chair is correctly positioned and secured by the hold-down arm before driving.
- Do not exceed the weight capacity of the lift or your vehicle's hitch receiver. Consult your vehicle's owner's manual for hitch capacity.
- Keep hands and clothing clear of moving parts during operation.
- Ensure adequate clearance when operating the lift and the swing away joint, especially in congested areas or near other vehicles.
- Regularly inspect the lift for any signs of wear, damage, or loose fasteners. Do not operate if damaged.
- Always turn off the power chair before loading or unloading.

## 3. COMPONENTS

The Harmar AL560 system includes the following primary components:

- **AL560 Automatic Powerchair Lift:** The main lifting mechanism and platform.
- **AL105 Swing Away Joint:** Allows the lift to pivot away from the vehicle.
- **Hitch Receiver:** A Class III (2"x2") receiver is required for installation.

- **Padded Hold-Down Arm:** Secures the power chair during transport.

## 4. SETUP AND INSTALLATION

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Installation should ideally be performed by a qualified technician. Ensure your vehicle is equipped with a Class III (2"x2") hitch receiver.

1. **Hitch Receiver Installation:** If not already present, install a Class III (2"x2") hitch receiver on your vehicle according to the manufacturer's instructions.
2. **Attach AL105 Swing Away Joint:** Insert the AL105 Swing Away Joint into the vehicle's hitch receiver. Secure it with the provided hitch pin and clip. Ensure it is fully seated and stable.
3. **Attach AL560 Lift:** Mount the AL560 Powerchair Lift onto the AL105 Swing Away Joint. Follow the specific instructions provided with the lift for proper attachment and securing.
4. **Electrical Connection:** Connect the lift's electrical harness to your vehicle's power supply as per the installation guide. This typically involves connecting to the vehicle's battery with appropriate fusing.
5. **Initial Test:** Before loading a power chair, perform a test run of the lift's functions to ensure all components operate correctly.



Image: The Harmor AL560 Powerchair Lift with a powerchair loaded, attached to the rear of a vehicle. The AL105 Swing Away Joint is integrated into the setup.

## 5. OPERATING INSTRUCTIONS

### 5.1. Loading a Power Chair

1. Ensure the lift platform is in the lowered position.
2. Carefully drive or push the power chair onto the lift platform. Position the chair centrally and ensure all wheels are fully on the platform. No chair modifications are required.
3. Activate the lift control to raise the platform. The lift will automatically raise the power chair to the transport position.
4. Once raised, lower the padded hold-down arm over the power chair. Ensure it securely contacts the

chair frame or seat back, preventing movement during transit.

5. Verify that the power chair is stable and fully secured before driving.

## 5.2. Unloading a Power Chair

1. Ensure the vehicle is parked on a level surface and the parking brake is engaged.
2. Release and raise the padded hold-down arm from the power chair.
3. Activate the lift control to lower the platform to the ground level. The lift folds automatically when empty.
4. Once the platform is fully lowered, carefully drive or push the power chair off the platform.

## 5.3. Using the AL105 Swing Away Joint

The AL105 Swing Away Joint allows access to your vehicle's rear hatch or trunk without removing the lift.

1. Ensure the power chair is unloaded from the lift and the lift platform is in the raised, folded position.
2. Follow the specific instructions for the AL105 to disengage its locking mechanism. This typically involves pulling a pin or lever.
3. Carefully pivot the entire lift assembly away from the vehicle until it locks into the open position.
4. After accessing your vehicle's rear, pivot the lift back into its original position, ensuring it locks securely in place before driving.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Harmar lift.

- **Monthly Inspection:** Check all bolts, nuts, and fasteners for tightness. Inspect the lift platform, hold-down arm, and swing away joint for any signs of damage, cracks, or excessive wear.
- **Lubrication:** Apply a light lubricant to pivot points and moving parts as recommended by Harmar (refer to the full manufacturer's manual for specifics).
- **Cleaning:** Keep the lift clean from dirt, salt, and debris. Use a mild soap and water solution, then rinse thoroughly and dry. Avoid high-pressure washing directly on electrical components.
- **Electrical System:** Inspect electrical connections and wiring for corrosion or damage. Ensure the battery connection is secure.

## 7. TROUBLESHOOTING

If you encounter issues with your Harmar lift, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lift does not operate.	No power, loose electrical connection, blown fuse.	Check vehicle battery, inspect all electrical connections, check and replace fuses if necessary.
Power chair not secure.	Hold-down arm not properly engaged, chair not centered.	Reposition the power chair, ensure the hold-down arm is firmly in place.
Lift makes unusual noises.	Lack of lubrication, loose components, internal mechanism issue.	Lubricate moving parts. Inspect for loose bolts. If noise persists, contact Harmar support.

Problem	Possible Cause	Solution
AL105 Swing Away Joint is stiff or difficult to move.	Lack of lubrication, debris in pivot points.	Clean and lubricate the pivot points. Ensure no obstructions.

For issues not listed here or if troubleshooting steps do not resolve the problem, contact Harmar customer support or a certified service technician.

## 8. SPECIFICATIONS

- **Model:** Harmar AL560 Automatic Powerchair Lift, Harmar AL105 Swing Away Joint
- **Hitch Compatibility:** Class III (2"x2") hitch receiver
- **Operation:** Automatic lifting and folding
- **Chair Modifications:** Not required
- **Manufacturer:** Harmar
- **Date First Available:** June 24, 2015
- **ASIN:** B010CD6CEM

*Note: Specific weight capacities and dimensions should be verified with the full manufacturer's documentation.*

## 9. WARRANTY INFORMATION

Specific warranty details for the Harmar AL560 Powerchair Lift and AL105 Swing Away Joint are provided by the manufacturer at the time of purchase. Please refer to the warranty card or documentation included with your product. For warranty claims or inquiries, contact Harmar Mobility directly.

## 10. SUPPORT

For technical assistance, parts, or further information regarding your Harmar Mobility product, please contact Harmar customer support. Contact details can typically be found on the manufacturer's website or in the documentation provided with your lift.

**Online Resources:** Visit the official Harmar website for product manuals, FAQs, and support contact information.