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> Uriah Products UC500010 Electric Trailer Jack User Manual

## Uriah Products UC500010

# Uriah Products UC500010 Electric Trailer Jack User Manual

Model: UC500010

## 1. INTRODUCTION

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This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Uriah Products UC500010 Electric Trailer Jack. Designed for heavy-duty applications, this 12V electric jack offers a 5000 Lbs lift capacity, making it suitable for RVs, boat trailers, utility trailers, and off-road vehicles. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage.





Figure 1.1: Uriah Products UC500010 Electric Trailer Jack

## 2. SAFETY INFORMATION

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**WARNING: Failure to follow these safety instructions may result in serious injury or property damage.**

- Always read and understand the entire manual before operating the electric trailer jack.
- Do not exceed the maximum rated lift capacity of 5000 Lbs.
- Ensure the trailer is on a level surface and wheels are chocked before operating the jack.
- Keep hands and clothing clear of moving parts during operation.
- Never place any part of your body under the trailer while it is supported only by the jack. Use appropriate jack

stands for additional support.

- Disconnect power before performing any maintenance or adjustments.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (California Proposition 65 Warning). Wash hands after handling.
- Inspect the jack for damage or wear before each use. Do not use if damaged.

### 3. PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- Uriah Products UC500010 Electric Trailer Jack (7-Way Connector, 5000 lb. 12V DC)
- Manual Crank Handle
- Mounting Hardware (bolts, nuts, washers)

### 4. SPECIFICATIONS

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Feature	Specification
Model Number	UC500010
Load Capacity	5000 Pounds
Power Input	12V DC (via 7-Way Connector)
Maximum Lifting Height	31.5 Inches
Retracted Height	9 Inches
Item Weight	22.3 Pounds
Bulb Type	LED
Features	Ball screw design, brake motor, waterproof cover, LED light, manual crank access

### 5. INSTALLATION

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Follow these general steps for installing the electric trailer jack. Always refer to your trailer's manufacturer guidelines for specific mounting requirements.

1. **Prepare the Trailer:** Park the trailer on a firm, level surface. Chock the trailer wheels to prevent movement. Support the trailer tongue with jack stands or a secure vehicle hitch to ensure stability during installation.
2. **Remove Old Jack (if applicable):** If replacing an existing jack, remove the old unit by unbolting it from the trailer tongue.
3. **Position the New Jack:** Place the Uriah Products UC500010 Electric Trailer Jack onto the trailer tongue bracket. Ensure the mounting holes align.
4. **Secure the Jack:** Insert the provided bolts through the mounting holes and secure with washers and nuts. Tighten all hardware securely according to torque specifications (if available from trailer manufacturer).
5. **Connect Power:** The jack features an integrated 7-way connector. Plug this connector directly into your tow vehicle's 7-way receptacle. Ensure a secure connection. The jack draws 12V DC power from the vehicle's

electrical system.



Figure 5.1: Electric Trailer Jack installed on a trailer tongue





Figure 5.2: Side view showing the integrated 7-way connector cable

## 6. OPERATION

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The Uriah Products UC500010 Electric Trailer Jack is designed for straightforward operation.

1. **Power Connection:** Ensure the 7-way connector is securely plugged into your tow vehicle's 7-way receptacle. The vehicle's ignition may need to be on to supply power to the jack.
2. **Operating the Jack:** Locate the control switch on the jack housing. This switch typically has two positions: UP and DOWN.
  - To **extend** the jack leg (raise the trailer), press and hold the switch in the UP position.
  - To **retract** the jack leg (lower the trailer), press and hold the switch in the DOWN position.

Release the switch to stop the jack at any desired position.

3. **LED Light:** The jack is equipped with an LED light for illumination during low-light conditions. A separate switch or button typically controls this light. Activate it as needed for visibility.
4. **Manual Operation:** In case of power failure or electrical issues, the jack can be operated manually. Remove the rubber plug on top of the jack housing to access the manual crank shaft. Insert the provided manual crank handle and turn it clockwise to extend the jack or counter-clockwise to retract it.





Figure 6.1: Control panel with UP/DOWN switch and LED light control

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and reliable performance of your electric trailer jack.

- **Cleaning:** Keep the jack housing and leg clean from dirt, mud, and debris. Use a damp cloth to wipe surfaces. Avoid using harsh chemicals that could damage finishes or seals.
- **Lubrication:** Periodically inspect the inner and outer tubes for smooth operation. A light coating of silicone spray or a similar lubricant on the exposed inner leg can help maintain smooth movement. Do not over-lubricate.
- **Electrical Connections:** Regularly check the 7-way connector and its wiring for any signs of corrosion, fraying, or damage. Ensure connections are tight and secure.
- **Protective Cover:** When not in use, especially during storage or extended periods outdoors, use a protective cover to shield the motor housing and electrical components from weather elements.
- **Hardware Inspection:** Periodically check all mounting bolts and nuts for tightness. Re-tighten if necessary.





Figure 7.1: Electric Trailer Jack with protective cover

## 8. TROUBLESHOOTING

If you encounter issues with your electric trailer jack, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Jack does not operate (no power)	No power from vehicle; Blown fuse in vehicle or jack wiring; Loose electrical connection; Damaged wiring.	Ensure vehicle ignition is on; Check vehicle's 7-way connector fuse (typically 20A); Verify 7-way connector is fully seated; Inspect wiring for damage and repair if necessary.

Jack operates slowly or struggles	Low voltage from vehicle; Overload (exceeding 5000 Lbs capacity); Insufficient lubrication; Internal mechanical issue.	Ensure vehicle battery is charged and providing adequate voltage; Reduce load on the jack; Apply lubricant to the inner leg; If problem persists, contact support.
Jack makes unusual noises	Lack of lubrication; Foreign object in mechanism; Internal component wear.	Lubricate the jack leg; Inspect for obstructions; If noise continues, discontinue use and contact support.
LED light does not work	Light switch off; Faulty LED bulb; Wiring issue.	Ensure LED light switch is on; Check for loose connections; If necessary, contact support for bulb replacement or wiring inspection.

If troubleshooting steps do not resolve the issue, contact Uriah Products customer support for further assistance.

## 9. WARRANTY AND SUPPORT

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Uriah Products stands behind the quality of its products. The UC500010 Electric Trailer Jack typically comes with a **1-year limited warranty** from the date of purchase, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For warranty service, technical support, or to inquire about replacement parts, please contact Uriah Products customer service through their official website or the retailer where the product was purchased. Provide your model number (UC500010) and a detailed description of the issue to expedite service.

For more information, visit the official Uriah Products website: [Uriah Products Store](#)

