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› BEETRO Electric Trailer Jack BE0101B User Manual

BEETRO BE0101B

BEETRO Electric Trailer Jack User Manual

MODEL: BE0101B

Brand: BEETRO

Introduction

This manual provides essential information for the safe and efficient operation of your BEETRO Electric Trailer Jack. Please read these instructions thoroughly before installation and use to ensure proper function and to prevent injury or damage. This electric tongue jack is designed for A-frame travel, cargo, utility trailers, and 5th wheel RVs, offering a maximum lifting capacity of 4000 lbs.

Safety Information

- **Read all instructions:** Before installing or operating the electric trailer jack, ensure you have read and understood all instructions and safety warnings in this manual.
- **Maximum Load Capacity:** Do not exceed the maximum rated lifting capacity of 4000 lbs (1814.37 kg). Overloading can cause damage to the jack and potential injury.
- **Power Source:** Connect the jack only to a 12V DC power source. Ensure correct polarity (red wire to positive, black wire to negative/ground).
- **Stable Surface:** Always operate the jack on a firm, level surface. Use wheel chocks on the trailer wheels to prevent movement.
- **Clearance:** Keep hands, feet, and clothing clear of moving parts during operation.
- **Emergency Stop:** In case of emergency, immediately release the operating switch.
- **Manual Override:** A manual crank is provided for operation in case of power failure. Always ensure the manual crank is properly engaged before use.
- **Circuit Breaker:** The jack features a built-in circuit breaker for protection against overloads. If it trips, allow it to cool before resuming operation.

Package Contents

Verify that all components are present before beginning installation:

- BEETRO Electric Trailer Jack
- Manual Crank Handle

- Mounting Hardware (bolts, washers, nuts)
- Removable Foot Plate

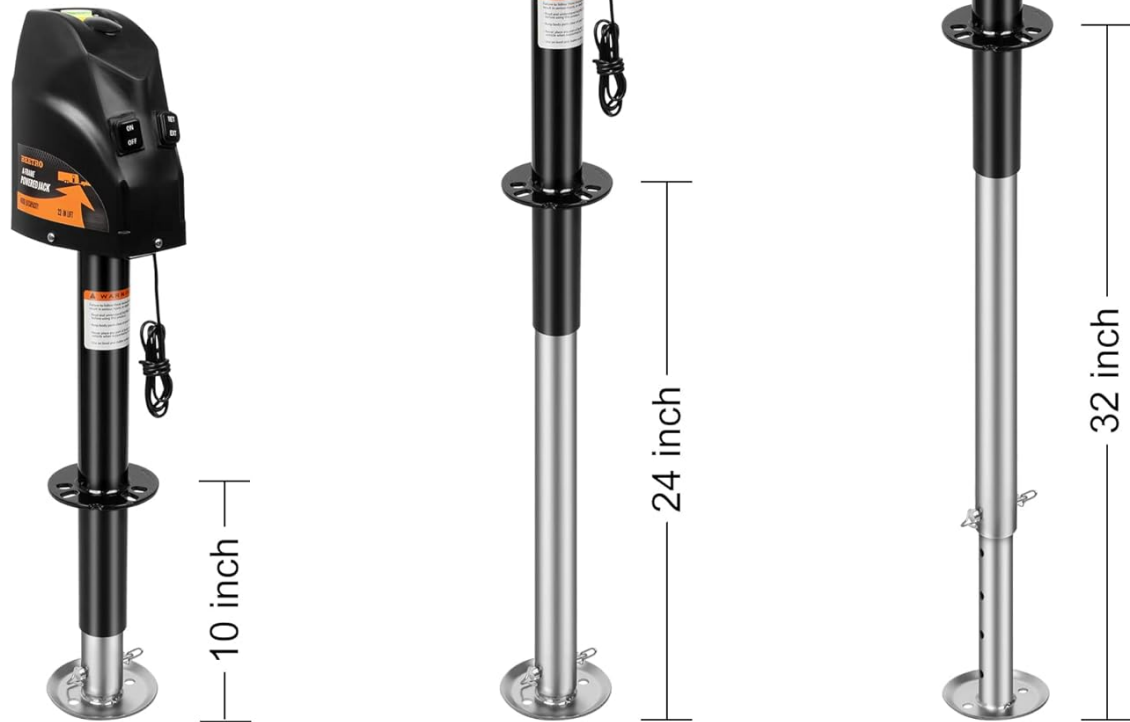
Specifications

Feature	Specification
Max Load Capacity	4000 lbs (1814.37 kg)
Lifting Range	22 inches (14 inch full stroke + 8 inch 5-step adjustable drop leg)
Minimum Height	10 inches
Outer Tube Diameter	2-1/4 inches
Inner Tube Diameter	2 inches
Foot Plate Diameter	5-1/4 inches (removable)
Voltage Rating	12V DC
Current Rating (Extended)	28A
Current Rating (Retracted)	6A
Wire Length	50 inches
Material	Alloy Steel (powder coated, zinc plated)
Product Dimensions	19.05 x 13.97 x 78.23 cm (L x W x H)
Item Weight	10.84 kg

The jack's design allows for a minimum retracted height of 10 inches and a maximum extended height of 32 inches (including the drop leg). The outer tube has a diameter of 2-1/4 inches, and the inner tube is 2 inches in diameter.

Outer tube dia. : 2-1/4"

Inner tube dia. : 2"



Retracted

Extended (min)

Extended (max)

Image: BEETRO Electric Trailer Jack dimensions, illustrating retracted (10 inches), extended minimum (24 inches), and extended maximum (32 inches) heights.

Setup & Installation

Follow these steps to properly install your electric trailer jack:

1. **Prepare the Trailer:** Park the trailer on a level surface and chock the wheels to prevent any movement. Ensure the trailer is securely supported.
2. **Remove Old Jack (if applicable):** If replacing an existing jack, remove it by unbolting it from the A-frame.
3. **Position the New Jack:** Insert the new BEETRO Electric Trailer Jack into the mounting hole on the trailer's A-frame. Ensure the mounting plate aligns with the existing bolt holes. The jack is designed with six mounting holes to fit standard A-frame trailers.
4. **Secure the Jack:** Use the provided mounting hardware (bolts, washers, nuts) to securely fasten the jack to the trailer frame. Tighten all bolts evenly. For optimal grounding, ensure good metal-to-metal contact between the jack's mounting plate and the trailer frame by sanding away any paint in the contact area.
5. **Install Foot Plate:** Attach the removable 5-1/4 inch diameter foot plate to the bottom of the jack's inner tube.
6. **Wire Connection:** Connect the 50-inch power cord to the trailer's 12V DC battery. The red wire connects to the

positive (+) terminal, and the black wire connects to the negative (-) terminal or a suitable ground point on the trailer frame. Ensure connections are secure and protected from the elements.



◀ **5-Step Adjustable Drop Leg (8 inch)**



Mounting Plate with Six Mounting Holes



Foot Plate with Rain Water Drain Holes

Image: Key components for installation, showing the mounting plate with six holes, the 5-step adjustable drop leg, and the foot plate with rain water drain holes.

MAX LIFTING CAPACITY 4000 LBS



Image: The BEETRO Electric Trailer Jack installed on a trailer, ready for operation.

Installation Video Guide

Your browser does not support the video tag.

Video: This video demonstrates the installation process of an electric trailer jack, including removing the old jack, mounting the new jack, and connecting the power wires to the battery. It shows the use of tools for securing the jack to the trailer frame.

Operating Instructions

The BEETRO Electric Trailer Jack is designed for simple and convenient operation.

EASY TO USE



Image: Control panel of the electric jack, highlighting the bubble level, manual crank cap, LED light switch, and retract/extend switch.

1. **Power On:** Ensure the jack is connected to a 12V DC power source.
2. **Extend/Retract:** Use the 'RETRACT/EXTEND' switch to raise or lower the trailer. Press 'EXT' to extend the jack (lower the trailer) and 'RET' to retract the jack (raise the trailer). The jack will automatically stop at its maximum or minimum extension.
3. **LED Light:** The jack is equipped with an LED light for nighttime operation or in dimly lit areas. Use the 'LED Light ON/OFF' switch to activate or deactivate the light.
4. **Bubble Level:** A built-in bubble level helps indicate whether the jack position is level, assisting in proper trailer leveling.

BUBBLE LEVEL

DESIGNED TO INDICATE WHETHER THE JACK POSITION IS LEVEL



Image: Detailed view of the bubble level, designed to assist in leveling the trailer.

LED LIGHT

BRIGHT ENOUGH AT NIGHT AND INTRICATE SPACES

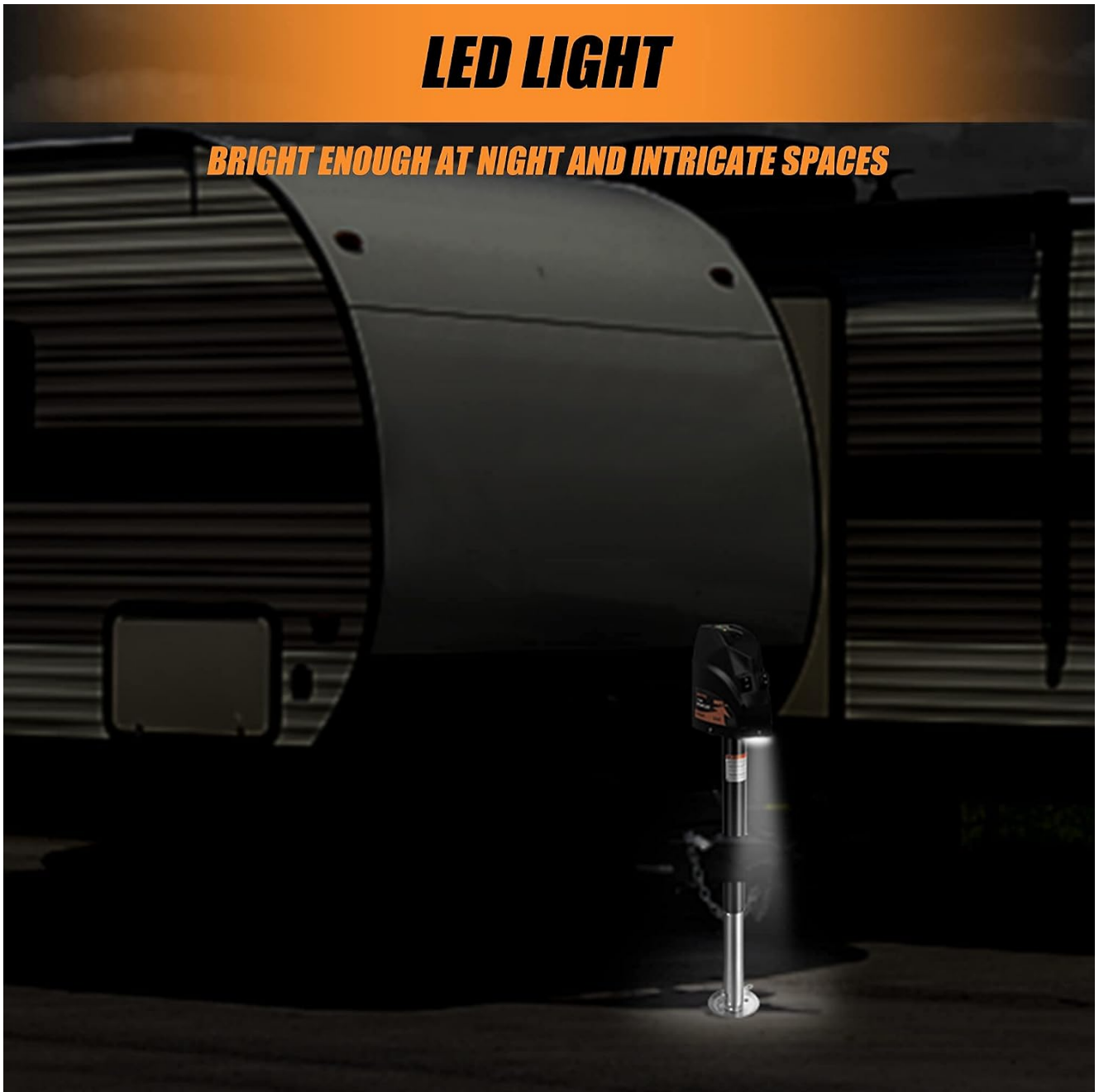


Image: The integrated LED light providing illumination for operation in low-light conditions.

Maintenance

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

- **Cleaning:** Keep the jack clean from dirt, debris, and moisture. Wipe down the outer surfaces regularly.
- **Lubrication:** Periodically inspect the inner and outer tubes for smooth operation. Apply a light coat of grease to the inner tube if necessary, ensuring not to over-lubricate.
- **Electrical Connections:** Check all electrical connections for corrosion or looseness. Clean and tighten as needed.
- **Foot Plate:** Ensure the foot plate is securely attached and free from damage.
- **Storage:** When not in use for extended periods, ensure the jack is retracted and covered to protect it from environmental elements.

Troubleshooting

Here are some common issues and their potential solutions:

- **Jack does not operate:**

- Check the 12V DC power connection to the battery. Ensure it is secure and has proper polarity.
- Verify the battery has sufficient charge.
- Check the built-in circuit breaker. If it has tripped, allow it to cool and reset.

- **Jack operates slowly or with difficulty:**

- Ensure the load does not exceed the 4000 lbs capacity.
- Check for obstructions or damage to the jack tubes.
- Inspect electrical connections for corrosion or poor contact.

- **Manual Operation:** If electrical power is unavailable or the jack malfunctions, you can operate it manually. Remove the rubber cap from the top of the jack to expose the manual crank access point. Insert the provided manual crank handle and turn it to raise or lower the jack.

MANUAL CRANK INCLUDED



Image: The manual crank handle, which can be used to operate the jack in case of power failure.

Warranty & Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official BEETRO website. Keep your purchase receipt as proof of purchase for any warranty claims.