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> Quick Products JQ-3500B Power A-Frame Electric Tongue Jack Instruction Manual

## Quick Products JQ-3500B

# Quick Products JQ-3500B Power A-Frame Electric Tongue Jack

## INSTRUCTION MANUAL

Model: JQ-3500B | Brand: Quick Products

### INTRODUCTION

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This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your Quick Products JQ-3500B Power A-Frame Electric Tongue Jack. Designed for A-frame trailers, this electric jack offers a maximum lift capacity of 3,650 lbs, an integrated LED work light, and a manual crank override for convenience. Please read this manual thoroughly before use to ensure proper functionality and safety.

### SAFETY INFORMATION

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- **Read All Instructions:** Familiarize yourself with the operation and safety procedures before installing or using the jack.
- **Weight Capacity:** Do not exceed the maximum lift capacity of 3,650 lbs. Overloading can cause damage to the jack and trailer, and may result in serious injury.
- **Electrical Safety:** Ensure the power source is disconnected before performing any electrical connections or maintenance. Use appropriate gauge wiring and fuses as specified.
- **Stable Surface:** Always operate the jack on a firm, level surface. Use wheel chocks to prevent trailer movement.
- **Clear Area:** Keep hands, feet, and clothing clear of moving parts during operation.
- **Manual Override:** In case of power failure, use the provided manual crank override. Ensure the power switch is in the OFF position before using the manual crank.
- **Regular Inspection:** Periodically inspect the jack for any signs of damage, wear, or loose fasteners. Do not operate a damaged jack.

### PACKAGE CONTENTS

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Verify that all items are present in the package:

- Quick Products JQ-3500B Electric Tongue Jack
- Manual Crank Handle

- Heavy-Duty Weatherproof Vinyl Cover
- Mounting Hardware (bolts, nuts, star washers)
- Instruction Manual





Figure 1: Included components: manual crank, star washers, and vinyl cover.

## SETUP AND INSTALLATION

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This section outlines the steps for installing the JQ-3500B electric tongue jack onto your A-frame trailer. Ensure the trailer is securely chocked and supported before beginning installation.

### Removing the Existing Jack

1. Park the trailer on a level surface and chock the wheels to prevent movement.
2. Support the trailer tongue using jack stands or a suitable alternative to relieve pressure from the existing jack.
3. Disconnect the power to the existing jack, if applicable.
4. Unbolt the existing jack from the trailer A-frame. Typically, there are three bolts.
5. Carefully remove the old jack.

### Installing the JQ-3500B Electric Tongue Jack

1. Insert the new JQ-3500B electric tongue jack into the mounting hole on the trailer A-frame.
2. Align the mounting holes on the jack with the holes on the trailer A-frame.
3. Place the provided star washers between the jack's mounting plate and the trailer frame to ensure a good metal-to-metal contact for proper grounding.
4. Secure the jack using the supplied Grade 5 hardware (bolts and nuts). If your coupler does not have tapped holes, use the supplied nuts to secure the jack. Tighten the fastening hardware to 15 foot-pounds using a torque wrench.
5. Attach the drop leg to the bottom of the jack using the linchpin. Adjust the drop leg to the desired height before lowering the jack.





Figure 2: The JQ-3500B electric tongue jack installed on a trailer.

## Electrical Connection

1. Ensure the trailer battery is disconnected before making electrical connections.
2. The jack comes with a black wire lead. Install a ring terminal to this black wire lead.
3. Route the black wire lead safely along the trailer frame to the positive terminal of the 12V deep cycle marine-grade battery. Secure the wire to the frame using cable ties.
4. Connect the ring terminal of the black wire to the positive (+) terminal of the battery.
5. Reconnect the negative (-) terminal of the battery.
6. **Note:** The jack cannot be powered through the 7-way connector. An additional inline fuse is not necessary as this jack is equipped with a built-in circuit breaker that automatically trips and resets.

Video 1: General installation guide for a powered A-frame jack. This video demonstrates the installation process for a similar product, providing visual aid for the steps outlined above.



## OPERATING INSTRUCTIONS

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### Electric Operation

- Ensure the jack is properly connected to a 12V power source.
- To extend the jack, press and hold the switch marked "EXT".
- To retract the jack, press and hold the switch marked "RET".
- Release the switch to stop the jack at any desired position.





Figure 3: Control panel with ON/OFF and RET/EXT switches.

### LED Work Light

- The JQ-3500B features an integrated LED work light for night hookups.
- To turn the light ON, press the switch marked "ON".
- To turn the light OFF, press the switch marked "OFF".





Figure 4: Integrated LED work light for improved visibility.

### Manual Override

- In the event of power loss or electrical malfunction, the jack can be operated manually.
- Ensure the power switch is in the "OFF" position.
- Remove the rubber cap from the top of the jack housing to expose the manual override shaft.
- Insert the manual crank handle into the shaft.
- Turn the crank clockwise to extend the jack and counter-clockwise to retract it.

- Replace the rubber cap after manual operation.





Figure 5: Using the manual crank handle for emergency operation.

## MAINTENANCE

- **Lubrication:** Periodically lubricate the inner and outer tubes of the jack with a light grease to ensure smooth operation and prevent corrosion.
- **Cleaning:** Keep the jack clean and free of dirt, debris, and moisture. Use a damp cloth to wipe down the exterior.
- **Electrical Connections:** Regularly check all electrical connections for tightness and corrosion. Clean terminals as needed.
- **Cover:** Use the provided weatherproof vinyl cover when the jack is not in use to protect it from the elements.
- **Fasteners:** Periodically check all mounting bolts and nuts for tightness and re-torque to 15 foot-pounds if necessary.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Jack does not operate	No power to the jack; Blown fuse/tripped circuit breaker; Loose electrical connections	Check battery connections; Check and reset circuit breaker; Tighten all electrical connections.
Jack operates slowly or with difficulty	Low battery voltage; Overload; Insufficient lubrication	Charge or replace battery; Reduce load on jack; Lubricate inner/outer tubes.
LED light does not turn on	Light switch off; Faulty wiring/light	Ensure light switch is ON; Check wiring connections; Contact support if light is faulty.
Excessive noise during operation	Lack of lubrication; Damaged gears	Lubricate moving parts; Inspect gears for damage; Contact support if gears are damaged.

## SPECIFICATIONS

Feature	Specification
Model	JQ-3500B
Maximum Lift Capacity	3,650 lbs
Post Diameter	2.25 inches
Travel Distance	18 inches

Feature	Specification
Power Source	12V DC
Item Dimensions (L x W x H)	34 x 9.6 x 6.8 inches
Item Weight	21 pounds
Features	LED Work Light, Manual Crank Override, Bubble Leveling Cap, Weatherproof Cover

## WARRANTY AND SUPPORT

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The Quick Products JQ-3500B Power A-Frame Electric Tongue Jack is backed by **one-year no-hassle warranty**. For warranty claims, technical assistance, or any questions regarding your product, please refer to the contact information provided in the original product packaging or visit the official Quick Products website.