

WEIZE JAA-0411

WEIZE JAA-0411 5000 Lb Power Tongue Jack Instruction Manual

Heavy Duty Electric Trailer Jack

1. INTRODUCTION

Thank you for choosing the WEIZE JAA-0411 5000 Lb Power Tongue Jack. This electric trailer jack is designed for quick and easy raising and lowering of A-frame trailers. It features a robust 5000 lbs lift capacity, a 12V DC electric gear motor, and an integrated LED work light for nighttime operation. This manual provides essential information for safe installation, operation, and maintenance of your power tongue jack.

Lift capacity
5,000 lbs



Figure 1: WEIZE 5000 Lb Power Tongue Jack. This image displays the overall design of the electric tongue jack, highlighting its sturdy construction.

2. SAFETY INSTRUCTIONS

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in serious injury or property damage.

- Always wear safety glasses when installing or servicing the jack.
- Ensure the trailer is on a level surface and the wheels are chocked before operating the jack.
- Do not exceed the maximum lift capacity of 5000 lbs.
- Keep hands and clothing clear of moving parts.
- Disconnect power before performing any maintenance or repairs.
- Do not operate the jack if it is damaged or malfunctioning.
- Ensure the 12V DC power source is properly fused and connected.

3. PRODUCT SPECIFICATIONS

Specification	Value
Model	JAA-0411
Maximum Lift Capacity	5000 lbs
Vertical Travel	18 inches
Retracted Height	10-1/2 inches
Extended Height	29-1/2 inches
Drop Leg Extra Lift	5-1/2 inches
Power Requirements	12V DC
Outer Tube Diameter	2-1/4 inches
Inner Tube Diameter	2 inches
Power Cord Length	5.57 feet (#10 gauge UL Wire)
Foot Pad Diameter	5-1/2 inches
Material	Heavy-gauge Alloy Steel
Finish	Black powder coat



Figure 2: Illustration showing the collapsed and fully extended heights of the jack, including the drop leg extension.

4. INSTALLATION

Follow these steps to properly install your WEIZE Power Tongue Jack:

1. **Prepare the Trailer:** Park the trailer on a level surface and chock the wheels. Support the trailer frame with jack stands.
2. **Remove Old Jack (if applicable):** If replacing an existing jack, remove it by unbolting it from the trailer A-frame.
3. **Mount the New Jack:** Position the WEIZE Power Tongue Jack onto the trailer A-frame mounting plate. Align the bolt holes.
4. **Secure with Hardware:** Insert three 3/8" bolts through the mounting plate and the jack's flange. Secure with three 3/8" star washers and nuts. Ensure the star washers pierce through any paint on the mounting surface to establish a good ground connection. Tighten all bolts securely.

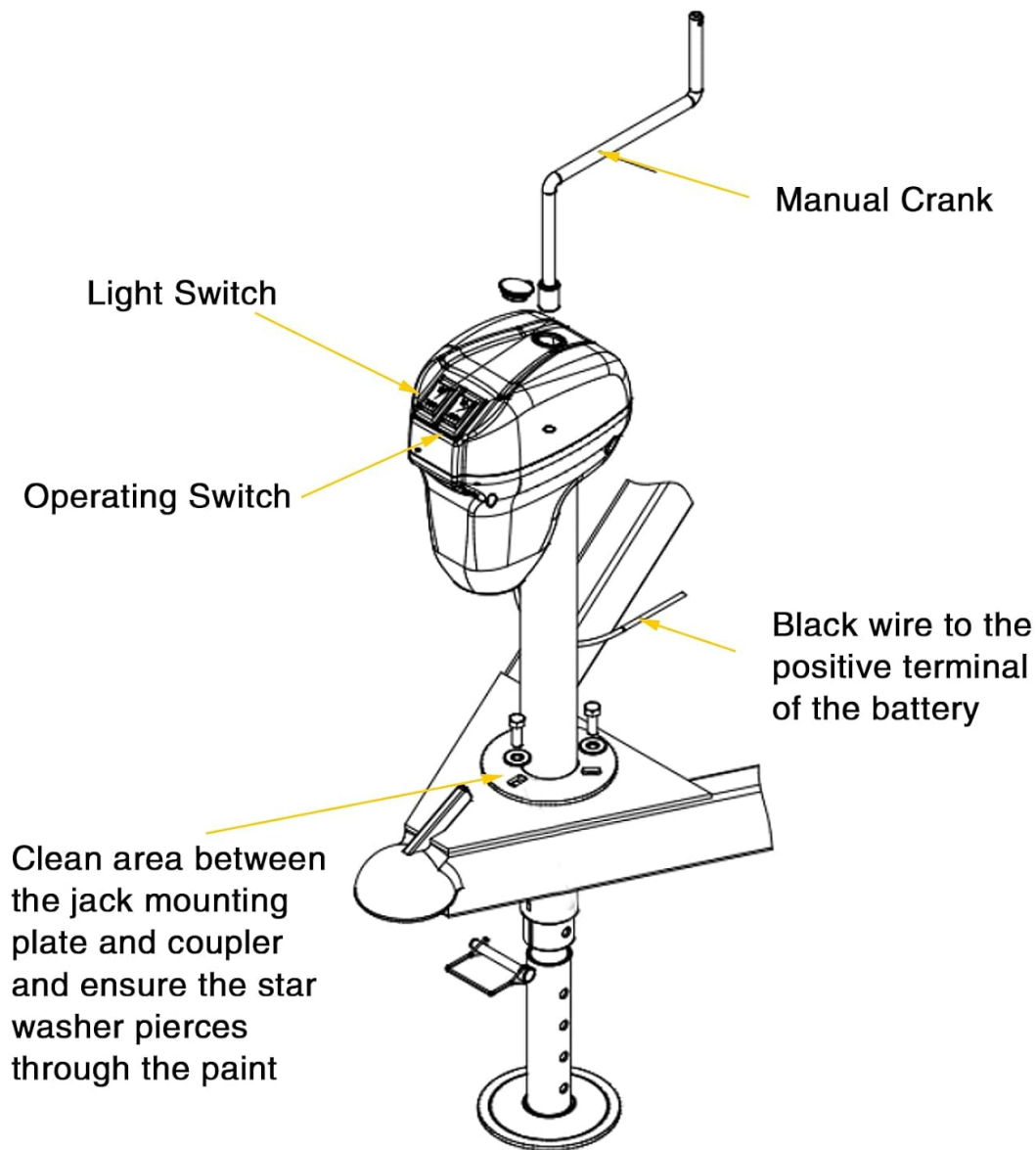


Figure 3: Installation diagram illustrating the jack mounting, wiring connection, and the importance of a clean ground area for star washers.

5. **Wiring Connection:** Connect the black wire from the jack to the positive (+) terminal of a 12V DC power source (e.g., trailer battery). Ensure the connection is secure and protected from the elements. The jack is internally grounded through its mounting bolts to the trailer frame, which must be connected to the negative (-) terminal of the battery.



Figure 4: Close-up detail showing the placement of three 3/8" star washers for proper grounding and the connection point for the black positive wire.

5. OPERATION

5.1 Electric Operation

The WEIZE Power Tongue Jack is operated using the control switches located on the top housing.

- **Lift Button:** Press the 'UP' button to extend the jack and raise the trailer. Press the 'DOWN' button to retract the jack and lower the trailer.
- **LED Work Light:** The jack is equipped with a front-facing LED light for improved visibility during nighttime hookups. Use the 'ON/OFF' light switch to activate or deactivate the light.

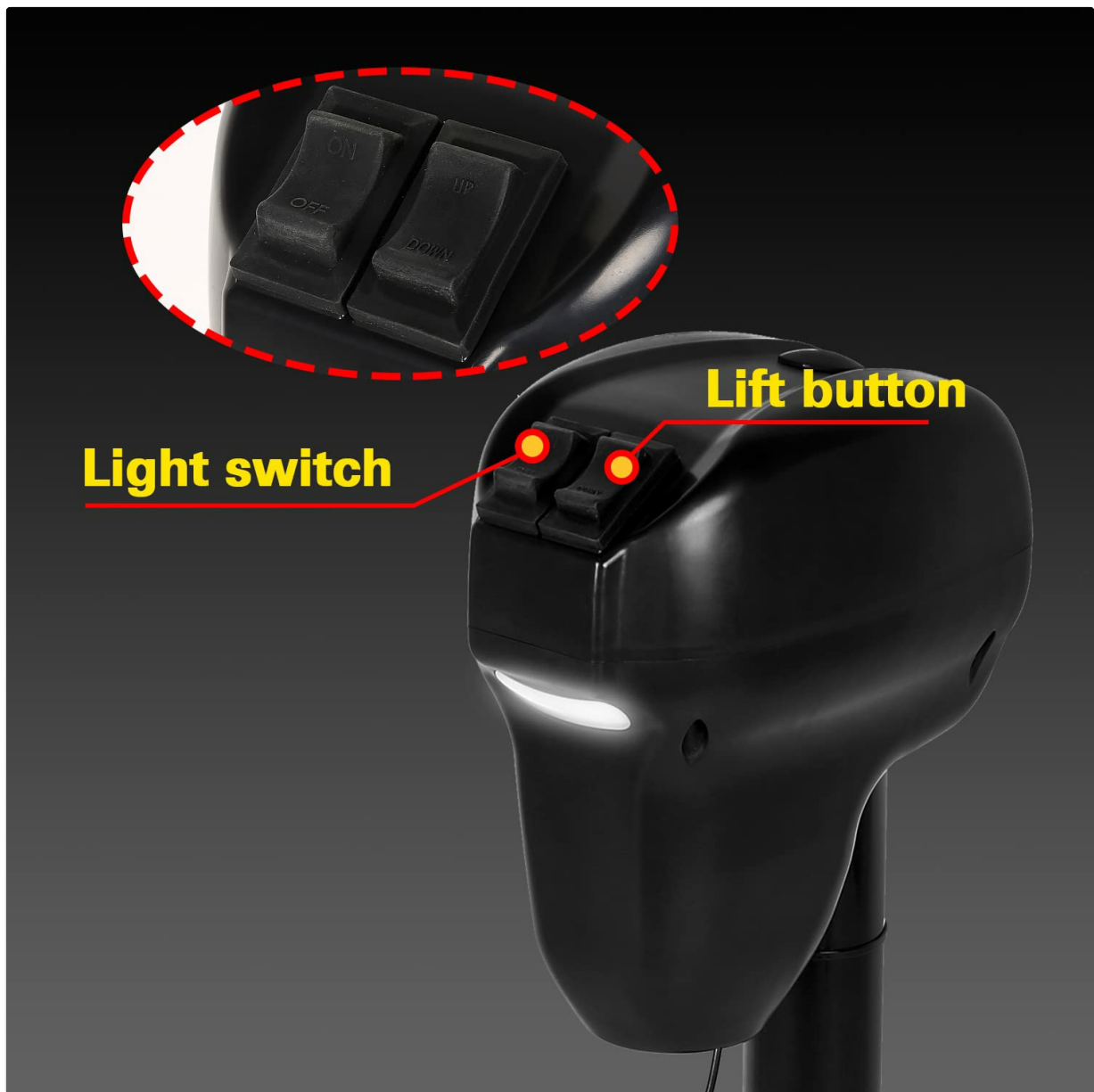


Figure 5: Close-up of the jack's control panel, indicating the light switch and the 'UP' and 'DOWN' lift buttons.

5.2 Manual Operation (Emergency Crank)

In case of power loss or electrical malfunction, the jack can be operated manually using the provided crank handle.

1. **Access the Manual Override:** Locate the rubber plug on the top of the jack housing. Remove this plug to expose the manual override shaft.
2. **Insert Crank Handle:** Insert the manual crank handle (rocker) into the exposed shaft.
3. **Operate Manually:** Turn the crank handle clockwise to extend the jack and raise the trailer, or counter-clockwise to retract the jack and lower the trailer.



Figure 6: Illustration demonstrating how to open the lid and use the manual rocker (crank handle) to operate the jack when electric power is unavailable.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your power tongue jack.

- **Cleaning:** Keep the jack housing and inner/outer tubes clean from dirt, debris, and road grime. Use a damp cloth for cleaning.
- **Lubrication:** Periodically inspect the inner and outer tubes for smooth operation. Apply a light coat of silicone spray or grease to the inner tube if necessary.
- **Electrical Connections:** Regularly check all electrical connections for corrosion or looseness. Ensure the battery terminals are clean and tight.
- **Mounting Hardware:** Periodically check the mounting bolts and nuts for tightness. Re-tighten if necessary.
- **Protective Cover:** Utilize the included 600D Polyester protective cover to shield the jack from elements when not in use. This helps protect the casing, switches, and light from weather damage.

7. TROUBLESHOOTING

If you encounter issues with your power tongue jack, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Jack does not operate electrically.	No power to the jack; Loose or corroded electrical connections; Blown fuse; Dead battery.	Check battery charge; Inspect all wiring connections for tightness and corrosion; Check and replace any blown fuses in the trailer's electrical system or inline with the jack's power wire.
Jack operates slowly or with difficulty.	Low battery voltage; Overload; Insufficient lubrication.	Charge or replace battery; Ensure load does not exceed 5000 lbs; Lubricate inner tube with silicone spray or grease.
LED light does not turn on.	Faulty switch; Loose wiring to the light; No power to the jack.	Check power supply to the jack; Inspect wiring to the LED light; Contact support if switch is faulty.
Jack makes unusual noises.	Lack of lubrication; Internal mechanical issue.	Lubricate the jack; If noise persists, discontinue use and contact customer support.

8. WARRANTY AND SUPPORT

The WEIZE JAA-0411 5000 Lb Power Tongue Jack comes with a **1-YEAR WARRANTY**, ensuring it meets international quality standards. If you have any questions, concerns, or require assistance with your product, please do not hesitate to contact our support team. Our team is available to provide prompt and helpful service.

For warranty claims or technical support, please refer to the contact information provided with your purchase or visit the official WEIZE website.