

# TRAILERLIFE™ 3500lb Capacity Electric A-Frame Jack

## **WARNING: CAREFULLY READ THE FOLLOWING INSTALLATION INFORMATION**

**IMPORTANT:** Make sure to read and understand all instructions before trying to install, service, or use this jack. If you're not sure how to use it correctly, ask your dealer for help. It's recommended to have a professional install it.

### **SPECIFICATIONS:**

- Models Applicable: 142100
- Max. Lift Capacity: 3500 lbs (continuous use)
- Retracted Height: 30"
- Vertical Travel: 18"
- Power Requirements: 12V DC
- Outer Tube Diameter: 2 1/5"
- Power Cord Length: 6', #12 gauge UL Wire
- Foot Pad Diameter: 6"
- LED Lights For Easy Nighttime Hookups
- Shipping Weight: 23.15lbs

### **CONTENTS:**

- Removable Foot Pad
- 3/8" Safety Lock Pin
- Manual Crank Handle
- Three 3/8" Star Washers

## **TOOLS REQUIRED**

- 9/16" Wrench
- Torque Wrench
- Wire Cutters
- Wire Strippers
- Crimper
- Butt Connector

## **INSTALLATION INSTRUCTIONS**

**⚠ WARNING:** To prevent the risk of injury or fatal harm, ensure that hands, feet, and body are kept away from underneath the jack and trailer.

**PRIOR TO INSTALLATION, CHECK AND MATCH THE LIFT CAPACITY OF THE JACK WITH YOUR TRAILER TO ENSURE SAFE OPERATION.**

1. Park the trailer on a level surface and block the trailer tires.
2. Support the trailer tongue by the frame with jack stands.
3. Insert the electric jack into the jack hole, aligning the bolt holes so the motor housing is facing forward as shown in Fig 1.
4. Attach the jack using three bolts (grade 5, 3/8"-16 UNC bolts with washers and nuts or 3/8"-16 self-tapping bolts are recommended). Place the star washers between the flat washers and mounting plate as shown in Fig 1, and ensure the star washer pierces through the paint. Bolts should be tightened to 15-20 ft-lb.
5. If a lower support plate is not already present, install one in the bottom of the trailer frame.

- ⚠ Warning:** Do not operate the jack without a lower support plate.
6. Attach foot with 3/8" safety lock pin. Be sure to insert pin through the complete assembly closing safety.
  7. Connect the jack wire (black) to the positive of the battery. Since the jack is internally grounded, a ground wire is not necessary.

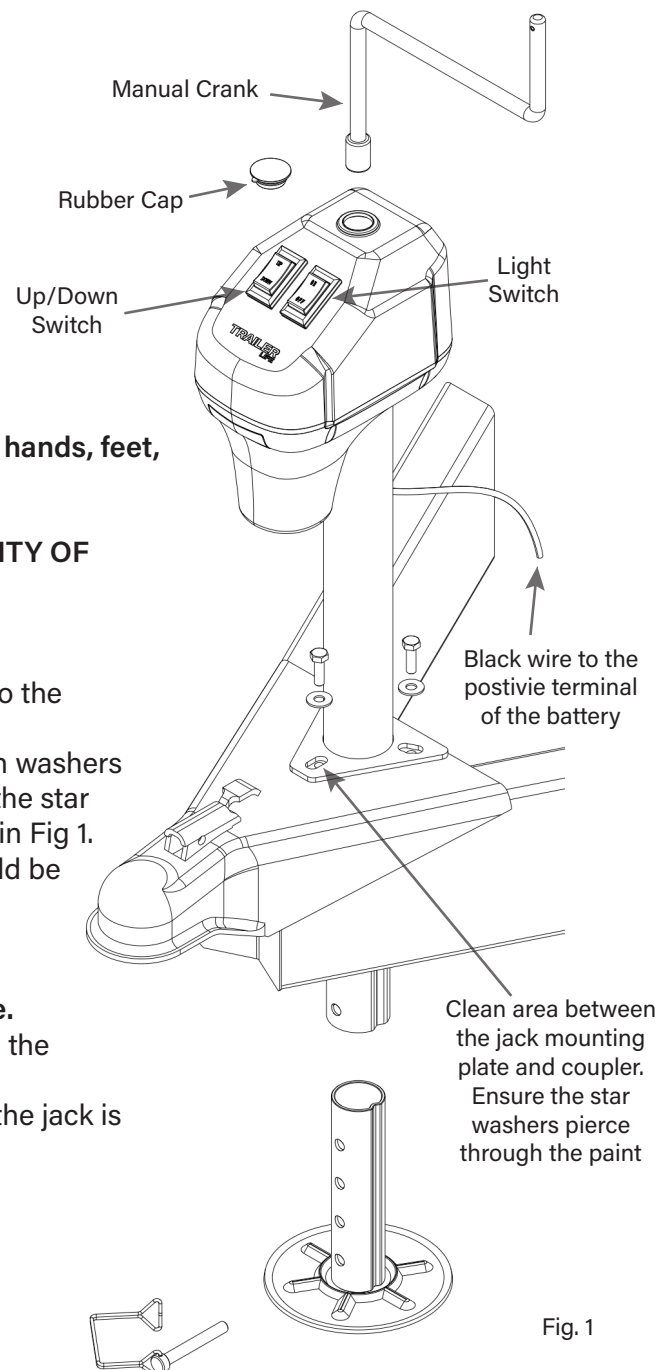


Fig. 1

## OPERATING INSTRUCTIONS

1. Park your trailer on a level surface and block all dolly and trailer tires.  
Tip: When hooking up at night, turn the light switch ON to illuminate your work area.
2. Before operating the jack, attach the foot with the 3/8" safety lock pin provided.  
**⚠ Warning: Avoid stacking blocks under the jack's foot to raise its height. Stacked blocks may become unstable and pose a risk of falling.**  
The jack must be used with the original foot plate, otherwise the jack will be damaged.
3. Normal operation:
  - (1) Extend the jack by pressing the UP button.
  - (2) Retract the jack by pressing the DOWN button.**IMPORTANT:** The jack will not automatically slow down as it nears the fully retracted or fully extended position. Release the switch at the first indication of slowing down.  
**⚠ Warning: Avoid retracting the jack beyond the STOP limiting mark to prevent potential damage.**
4. Before driving, either remove the foot or position it at the highest setting, and fully retract the jack.

## MANUAL OPERATING INSTRUCTIONS

1. Park your trailer on a level surface and block all dolly and trailer tires.
2. Before operating the jack, attach the foot with the 3/8" safety lock pin provided.  
**⚠ Warning: Avoid stacking blocks under the jack's foot to raise its height. Stacked blocks may become unstable and pose a risk of falling.**  
The jack must be used with the original foot plate, otherwise the jack will be damaged.
3. Disconnect the jack from the power source.
4. Remove the rubber access cover on the top of the jack.
5. Insert the manual crank handle into the access hole on the top of the jack, engaging the drive screw.
6. Rotate the manual crank handle counter-clockwise to extend the jack, and clockwise to retract it.
7. Remove manual crank handle and replace manual override plug.

## MAINTENANCE

To keep your jack in good, functional condition, fully extend the jack and clean the inner jack tube once a year. After cleaning, coat the tube with a light grease or silicone spray lubricant.  
**Always avoid high pressure water cleaning to prevent water penetration into components.**

## TROUBLESHOOTING

CAUSE	SOLUTION
Poor Ground	Clean the space between the jack mounting plate and A-frame, and ensure the star washer penetrates through the paint. It is essential to have direct metal-to-metal contact between mounting components to ensure proper electrical contact.
No or Low Voltage	Inspect battery and electrical connections. Ensure a minimum power supply of 10V DC. If the battery is low, connect the trailer cable to the tow vehicle and start the vehicle to supply power to the jack.