

INSTALLATION INSTRUCTIONS

Electric Tongue Jack

JET-4500



Specifications

- 4500 lb Electric A-Frame Jack
- Maximum Lift Capacity: 4500 lb (continuous use)
- Retracted Height: 31-3/8"
- Vertical Travel: 18"
- Power Requirements: 12V DC
- Outer Tube Diameter: 2-1/4"
- Power Cord Length: 6 ft of 10 Gauge Wire
- Foot Pad Diameter: 5-1/2"
- LED Work Lights For Easy Nighttime Hookups
- Shipping Weight: 28 lb

WARNING: Keep hands, feet, and body out from beneath the jack and trailer to avoid risk of harm or fatal injury!
Before installation, compare the lift capacity of the Stromberg tongue jack with your trailer to ensure safe operation of the jack.

Carton Contents

- (1) Removable Foot Pad
- (1) 3/8" Safety Lock Pin
- (1) Manual Crank Handle
- (1) 30 A Spare Fuse
- (3) 3/8" Star Washers
- (3) Bolts
- (1) Wire Butt Connector
- (1) Terminal ring

Tools Required

- 9/16" Wrench
- Torque Wrench
- Wire Cutters/Strippers
- Crimpers OR Soldering Iron



FIGURE 1

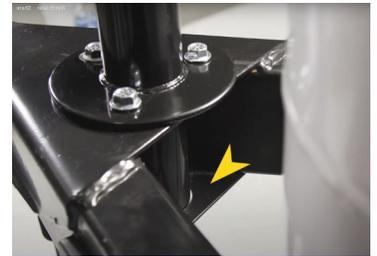


FIGURE 2

1. Park the trailer on a level surface and block the wheels.
2. Support the trailer tongue by the frame with the jack stands.

3. Remove the paint tab masking one of the three mounting holes on the jack. Also, sand paint from the area around the mounting holes on the jack mounting plate (both top and bottom) and the corresponding location on the trailer coupler. Lubricate these bare metal connection points with dielectric grease to ensure the best ground possible for the jack and to prevent rust.



4. Insert the electric jack into the jack hole, aligning the bolt holes so the motor housing is facing forward (Figure 1). Secure the jack using the mounting bolts and star washers provided. If mounting holes on the coupler are too large for the bolts to thread into, use grade 5, 3/8"-16 UNC bolts and washers. Bolts should be tightened to 15 to 20 ft-lb.

5. If a lower support plate is not already present, install one in the bottom of the trailer frame. Do not operate the jack without a lower support plate – shown in Figure 2.
6. Connect the fuse holder to the power wire using the butt connector and terminal ring; crimp or solder the connections. Place the fuse holder as close as possible to the positive battery terminal – preferably inside the battery box. Since the jack is internally grounded, a ground wire is not necessary. Attach the power wire to the positive battery terminal.

7. Alternately, wire the jack directly to the reset breaker (if available). The reset breaker may be located at the corner of the first cross member of the A-frame.



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Operation Instructions

1. Park your trailer on a level surface and block all dolly and trailer wheels. **TIP:** For night time hookups, flip 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: DO NOT stack blocks under the jack's foot to increase the height. Stacked blocks may become unstable and fall.

3. Extend the jack by pushing the operating switch UP. **NOTE:** Under heavy use, the circuit breaker may open, causing the motor to switch off. In this case, release the operating switch and wait 15 seconds for the breaker to reset. Retract the jack by pushing the operating switch down. **NOTE:** The jack will slow down and stop as it approaches the fully retracted position. Release the switch at first sign of slowing.
4. Before driving, remove the foot or position it in the highest position and completely retract the jack.

Manual Operation Instructions

1. Disconnect the jack from the power source. (Failure to do so could result in serious injury.)
2. Remove the rubber access covers on the top of the jack and on the side of the motor cover. (**Figure 3**)
3. Insert the manual crank handle into the access hole on the top of the jack, engaging the drive screw.
4. Holding the crank in place, install the brake release handle onto the brake lever and pull forward to release the brake.

WARNING: Always hold the crank handle firmly in place before releasing the brake on a loaded jack. Failure to do so will allow the jack to retract freely and the handle could spin dangerously when the brake is released.

5. Rotate the manual crank handle counter-clockwise to extend the jack, and clockwise to retract it.
6. When the jack has reached the desired height, re-engage the brake then remove the crank and brake release handles. Replace rubber access covers.



FIGURE 3

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.

TROUBLESHOOTING

Motor isn't operating

| CAUSE | SOLUTION |
|----------------------|--|
| Open Circuit Breaker | Wait 15 seconds for the breaker to close. |
| Poor Ground | Clean area between the jack mounting plate and coupler, and ensure paint has been removed by the star washers. Direct metal-to-metal contact must exist between mounting components to ensure good electrical contact. |
| No or Low Voltage | Check battery and electrical connections. Power supplied must be at least 10V DC. If the battery is low, plug the trailer cable into the tow vehicle, and start the tow vehicle to provide power to the jack. |
| Blown Fuse | Replace fuse with a new 30A fuse. |

Crank handle won't turn during manual operation

| CAUSE | SOLUTION |
|---------------|--|
| Engaged Brake | Disengage the brake by installing the brake release handle on the brake lever and pulling forward. |

Replacement Parts

- A** Operating switch, Extend/Retract
- B** Operating switch, Light -on/off
- C** Led light
- D** Circuit board
- E** Motor and brake
- F** Rubber cap
- G** Brake handle
- H** 3/8" safety lock pin
- I** Removable foot pad
- J** Mounting Bolts (3 pcs)
- K** Star washer (3 pcs)
- L** Limited Gear Box
- M** Wire butt connector
- N** 30A spare fuse
- O** Terminal ring
- P** 30A spare fuse
- Q** Manual crank handle

