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# **ELECTRIC TRAILER JACK**

## **3500-LB. CAPACITY**

### **OWNER'S MANUAL**



#### **WARNING:**

Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

**Item# 79135-B**

## INTENDED USE

This electric trailer tongue jack is a 12V motor-driven jack that makes coupling and uncoupling from the hitch on travel trailers and boat trailers an easier operation. Available with hot wire (Black) and ground wire (white) for direct grounding.

## TECHNICAL SPECIFICATIONS

Property	Specification
Item#	79135-B
Type	12V DC A-Frame
Lift Capacity (lbs.)	3,500
Clearance: Bracket to Jack Top (in.)	22
Length of Travel (in.)	18
Length Retracted (in.)	9-1/2 (Measured from ground to centre of mounting point)
Length Extended (in.)	32 (Measured from ground to centre of mounting point)
Drop Leg Travel (in.)	4-1/2
Jack Tube Size (in.)	2-1/4
Crank Type	Includes manual crank handle Dia 7/16in. (7/16in. socket adapter)

### Tools and Components Required

- Three Grade 5, 1in. Long, 3/8in.-16 UNC Bolts ( included)
- Three 3/8in. Flat Washers (included)
- Three Lock Washers ( included)
- 7/16in. Wrench (owner supplied, not included)
- Torque Wrench (owner supplied, not included)
- Wire Cutters (owner supplied, not included)
- Wire Strippers (owner supplied, not included)
- Crimpers or Soldering Iron (owner supplied, not included)

## GENERAL SAFETY RULES



**WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in serious injury.



**CAUTION:** Do not allow persons to operate or assemble this electric jack until they have read this manual and have developed a thorough understanding of how the hand truck works.



**WARNING:** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## SAVE THESE INSTRUCTIONS

# IMPORTANT SAFETY CONSIDERATIONS

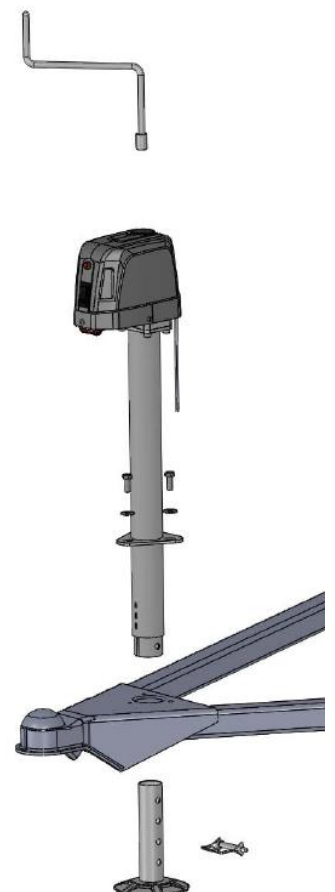
## JACK USE AND CARE

- **Do not modify the jack in any way.** Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the **jack** was designed.
- **Always check for damaged or worn out parts before using the jack.** Broken parts will affect the **jack** operation. Replace or repair damaged or worn parts immediately.
- **Do not force the trailer jack.** Do not attempt to lift more than the maximum lifting capacity of 3500-lb.
- **Never attempt to adjust the drop leg when there is any load on the jack.** When using the drop foot or drop leg, make certain the supplied pin is fully inserted through both sides of the inner tube and the drop tube before using the jack.

## INSTALLATION INSTRUCTIONS

**Before installation, compare the lift capacity of the electrical jack with your trailer to ensure safe operation of the jack.**

1. Park the trailer on a level surface and block the wheels.
2. This trailer jack has been designed to attach to the top surface of the A-frame coupler.
3. Disconnect the trailer battery ground trailer.
4. Detach the drop leg (#23) of the jack by removing the lock pin (#22) and sliding it out.
5. Position the drop leg (#23) in line with the mounting hole with the foot of the drop leg on the ground.
6. Support the trailer tongue by the frame with jack stands (no included).
7. If replacing an old jack, remove the old jack from the coupler.
8. Insert the electric jack into the jack hole and align the bolt holes so the motor housing is facing forward as show in Figure 1.
9. Secure the jack with three Grade 5, 3/8in.-16UNC bolts and washers (included). Bolts should be tightened to 40-50 ft.-lbs.
10. 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 at the bottom of the coupler.
11. Route the wire lead from the plastic cover along the trailer to the battery. Attach the wire lead to the trailer using cable ties or equivalent.
12. Connect the **BLACK** wire lead from the jack directly to the positive (+) terminal of the battery or junction box. This unit has a built-in circuit breaker which automatically trips and resets if the amperage is too high. **Now connect the WHITE ground wire to the negative (-) battery terminal or to the trailer frame.**



## OPERATION

1. Park the trailer on a level surface and block the wheels.  
**Tip:** For nighttime hookups, turn the light switch (#3) **ON** to illuminate your work area.
2. Before operating the jack, extend the foot pad (#23) to the appropriate length and secure in place with the 3/8" safety lock pin (#22) 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 (#4) **UP**.  
**Note:** Under heavy use, the internal 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 before resuming operation.
4. Retract the jack by pushing the operating switch(#4) **DOWN**.  
**Note:** If you attempt to extend or retract the jack and it does not respond, it may be at the end of the stroke. If the jack fails to respond, try operating it in the opposite direction. If it will not operate in either direction refer to the troubleshooting guide.
5. After hitching the trailer to a tow vehicle, **REMOVE** the foot pad (#23) and the safety lock pin (#22). You may have to raise the jack tube slightly to release pressure on the safety lock pin.

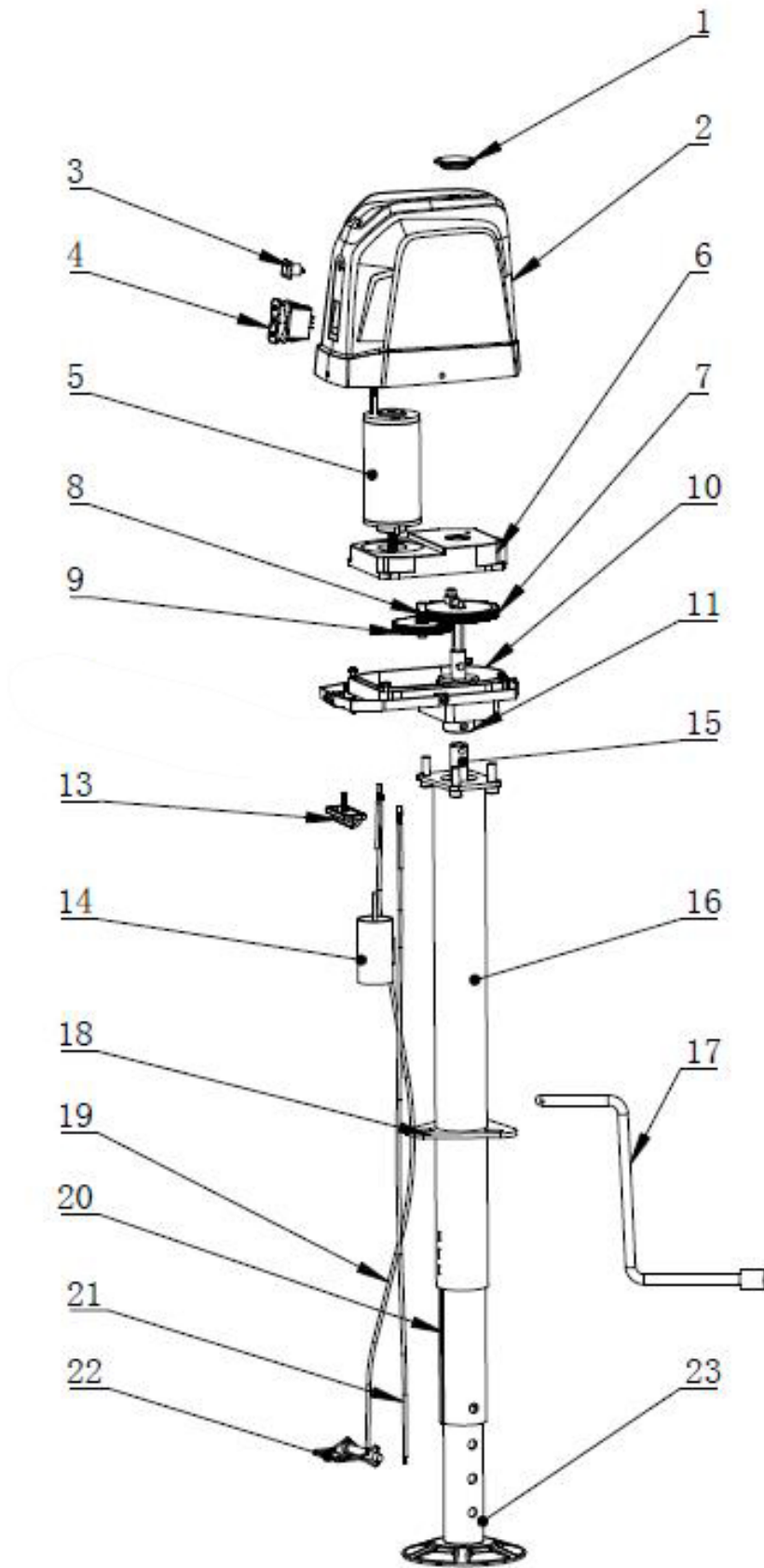
## Troubleshooting

Refer to below troubleshooting guide if the device does not function properly or parts are missing. If unable to do so, have a qualified technician service the device.

Failure	Possible Cause	Corrective Action
Motor will not operate	No or Low Voltage	Check battery & electrical connections. Must have minimum of 10 VDC. If the battery is low, please charge before use. If no voltage, you can use Manual crank (17) to raise or lower jack.
	Poor Ground	Direct metal-to-metal contact must exist between mounting components to ensure good electrical contact.  Check electrical connections.
	Open Internal Circuit Breaker	Wait 15 seconds for breaker to close
	Loose Wires on ON/OFF Switch	Secure wire connections
	ON/OFF Switch Faulty	Replace switch
	Motor Faulty	Replace motor

Light doesn't work	Bad LED light and/or switch	Replace light and/or switch
Motor Clutch Engages	Jack leg is at fully retracted or extended position	None, but let go of switch when you hear the clutch
	Worn gear	Replace gear
	Dirty Inner Tube	Clean inner tube
	Bent Inner Tube	Replace inner tube
	Clutch Faulty	Replace motor
	Excessive tongue weights	Determine if jack is adequate for tongue weight

# EXPLODED VIEW



## PARTS LIST

Parts No.	Description	Qty
1	Override Protection Cover	1
2	Large Plastic Cover	1
3	LED Light Switch	1
4	Up/Down Switch	1
5	Motor	1
6	Gear Cover	1
7	Main Gear Drive	1
8	Pinion Gear	1
9	Helical Gear	1
10	Main Gear Housing	1
11	Drive Shaft	1
13	LED Light	1
14	20A Automatic Thermal Protection	1
15	ACME Screw	1
16	Outer Tube	1
17	Manual Crank	1
18	Mounting Plate	1
19	Power Supply Wire (black color)	1
20	Inner Tube	1
21	Ground Wire (white color)	1
22	Lock Pin	1
23	Drop Leg Footpad	1

### Limited 1 year Warranty

We makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of **ONE** year from the date of sale, provided that installation and use of the product is in accordance with product instructions.

This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product.

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