



POWER STANCETM
TONGUE JACK
OEM INSTALLATION MANUAL

TABLE OF CONTENTS

Introduction	2
Safety	2
Resources Required	3
Preparation	4
Installation	4
Operation	6
Unhitching From Tow Vehicle	6
Hitching to Tow Vehicle	7
Power Swap Auxiliary Cord - Optional	7
Manual Operation	8
Troubleshooting	9
Fuse	9
Clutch	9

Introduction

The Power Stance™ tongue jack is used with travel trailer A-frame applications. The Power Stance Tongue Jack is provided with a 30A fuse, and has an 18" stroke with a 3,500-lb capacity. A chain holder under the jack head provides a place to store chains when they are not attached to the tow vehicle.

NOTE: The Power Stance power tongue jack is designed for vertical movement of the trailer only.

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

Additional information about this product can be obtained from [lci1.com/support](https://support.lci1.com) or by using the myLCI app. Replacement kits can be ordered from <https://store.lci1.com/> or by using the myLCI app.

The myLCI app is available for free on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

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For information on the assembly or individual components of this product, please visit:
<https://support.lci1.com/power-stance-tongue-jack>.

Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.

WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

WARNING

Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

WARNING

Failure to retract all jacks prior to travel may result in severe product and trailer damage, including serious personal injury or death to people and pets. Make sure all jacks are retracted prior to travel.

WARNING

The trailer must be supported per manufacturer's recommendations before working underneath.
Failure to do so may result in death or serious personal injury.

CAUTION

The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

NOTICE

All electrical wiring harnesses shall be loomed and secured to prevent possible damage and installed in accordance with RVIA electrical standards.

Resources Required

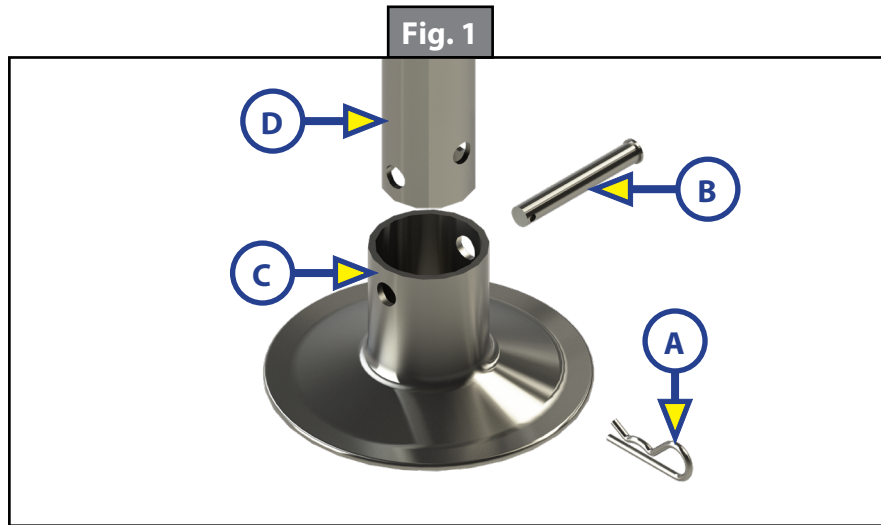
- Cordless or electric drill or screw gun
- Appropriate drive bits
- $\frac{9}{16}$ " socket
- Appropriate loom, size cut to length

Preparation

⚠ WARNING

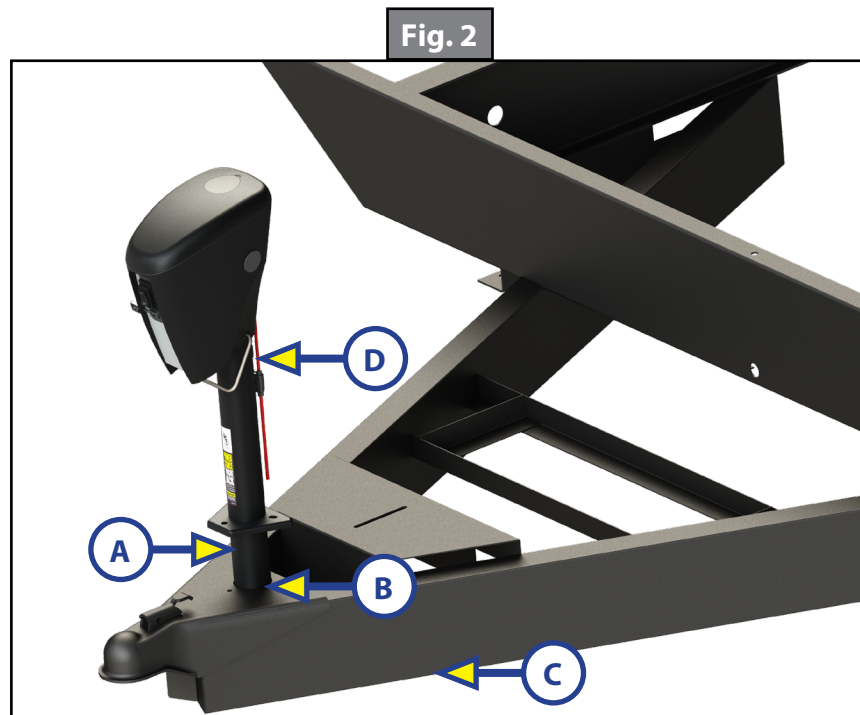
**The trailer must be supported per manufacturer's recommendations before working underneath.
Failure to do so may result in death or serious personal injury.**

1. Support the trailer according to manufacturer's recommendations.
2. Chock all trailer tires.
3. Remove the footpad from the Power Stance tongue jack (if necessary).
 - A. Remove the hairpin cotter pin (Fig. 1A) and clevis pin (Fig. 1B) holding the footpad (Fig. 1C) to the jack leg (Fig. 1D).
 - B. Set all the pins aside.

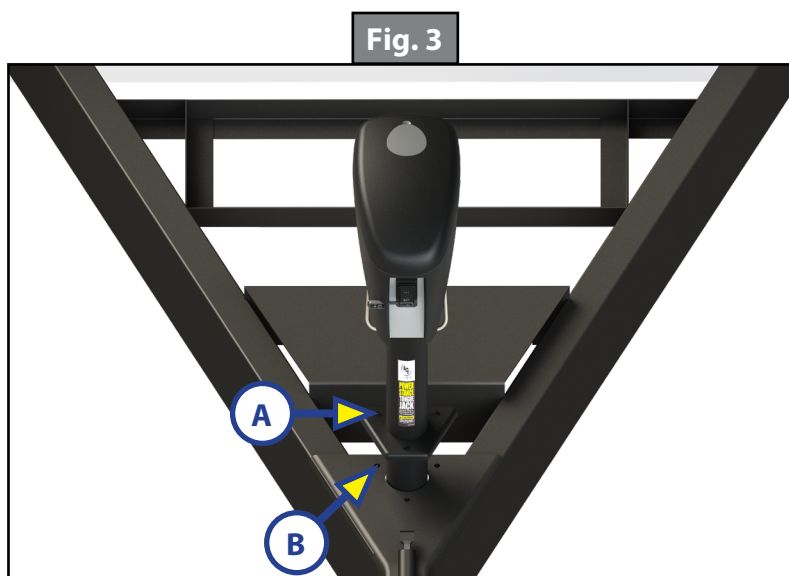


Installation

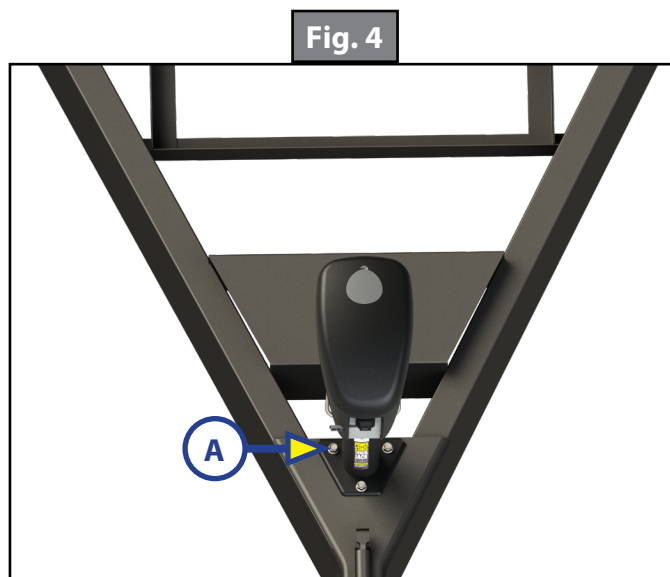
1. Carefully slide the jack leg (Fig. 2A) through coupler hole (Fig. 2B) on the trailer A-frame (Fig. 2C).



2. Align the three holes in the Power Stance tongue jack mounting plate (Fig. 3A) with the three holes in the coupler (Fig. 3B).



3. Secure the Power Stance tongue jack to the coupler plate with the three provided $\frac{3}{8}$ " - 16 x 1" bolts (Fig. 4A).



⚠ NOTICE

All electrical wiring harnesses shall be loomed and secured to prevent possible damage and installed in accordance with RVIA electrical standards.

4. Connect the red power wire from the Power Stance tongue jack housing to a grounded 12V power supply on the trailer. The Power Stance tongue jack is wired through its 30A fused circuit.
5. Apply harness looming to the wires (Fig. 2D) with the appropriate size and length, in order to protect the wires from damage.
6. Reattach the footpad (Fig. 1C) to the jack leg (Fig. 1D) by sliding the footpad back over the bottom of the jack leg and securing it with the clevis pin (Fig. 1B) and the hairpin cotter pin (Fig. 1A), as previously removed.

Operation

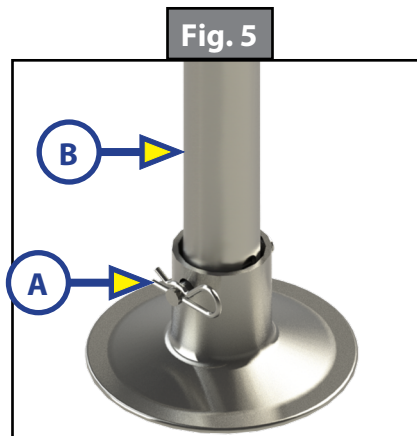
NOTE: The Power Stance power tongue jack can be operated by utilizing either a battery stored in the trailer, or by drawing from the tow vehicle using the optional PowerSwap Auxiliary Cord™.

NOTE: When RET (Fig. 6A) or EXT (Fig. 6B) on the switch is pushed, the light above the switch (Fig. 7A) will turn on automatically, and remain on for five minutes. It will then automatically turn off.

NOTE: The Power Stance tongue jack is designed for vertical movement of the trailer only.

Unhitching From Tow Vehicle

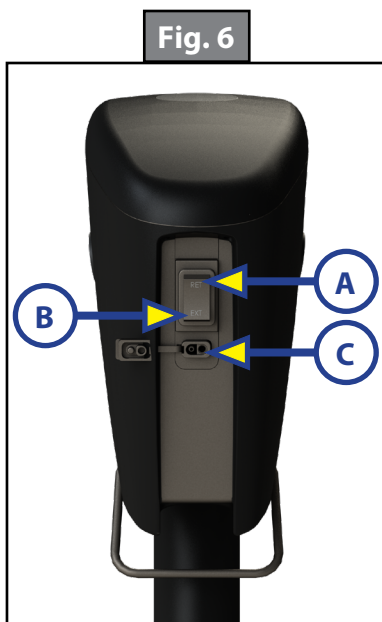
1. Chock the tires of the trailer.
2. Make sure the footpad of the Power Stance tongue jack is pinned securely in place with the clevis pin and hairpin cotter pin (Fig. 5A).



3. Make sure the ground surface under the Power Stance tongue jack is firm and level.
4. Push EXT (Fig. 6B) to extend the Power Stance tongue jack until the footpad touches the ground and the coupler clears the hitch ball.

NOTE: When RET (Fig. 6A) or EXT (Fig. 6B) on the switch is pushed, the light above the switch (Fig. 7A) will turn on automatically, and remain on for five minutes. It will then automatically turn off.

5. Disconnect all electrical and mechanical connections between the trailer and tow vehicle.
6. Move the tow vehicle away from the trailer.
7. Push RET (Fig. 6A) as needed to return the front of the trailer to level.



Hitching to Tow Vehicle

1. Chock the tires of the trailer.
2. Press EXT (Fig. 6B) if needed to allow the coupler to clear the hitch ball.
3. Position the tow vehicle under the trailer's hitch.
4. Push RET (Fig. 6A) to retract the Power Stance tongue jack until the coupler properly mounts the hitch ball and the leg of the Power Stance tongue jack is fully retracted.
5. Reconnect all electrical and mechanical connections between the trailer and tow vehicle.
6. Make sure the leg of the Power Stance power tongue jack (Fig. 5B) is fully retracted prior to moving the tow vehicle.

Power Swap Auxiliary Cord - Optional

The Power Swap Auxiliary Cord (Fig. 8) allows the user to power the Power Stance tongue jack from the battery of the tow vehicle when there is no battery power from the trailer.

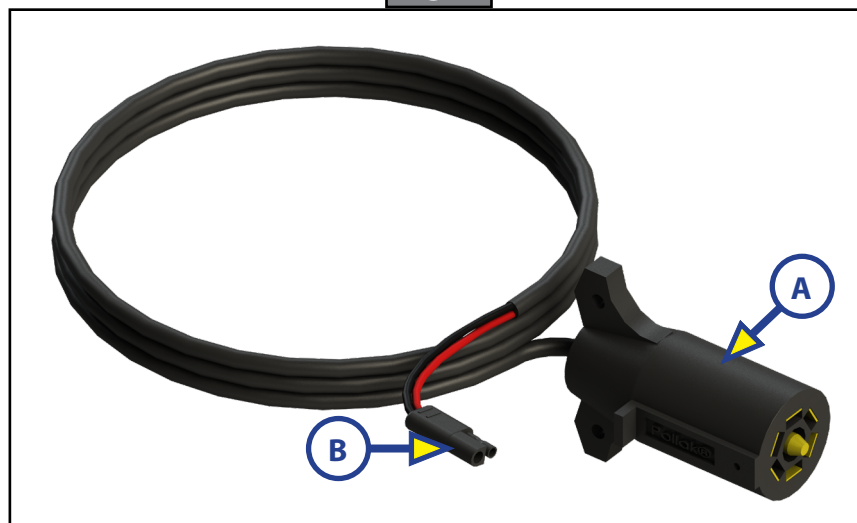
NOTE: The Power Swap Auxiliary Cord is optional and sold separately.

NOTICE

All electrical wiring harnesses shall be loomed and secured to prevent possible damage and installed in accordance with RVIA electrical standards.

1. Insert the 7-way plug (Fig. 8A) into the 7-way connector on the tow vehicle.
2. Insert the 2-pin connector (Fig. 8B) into the plug receptacle of the Power Stance tongue jack (Fig. 6C).

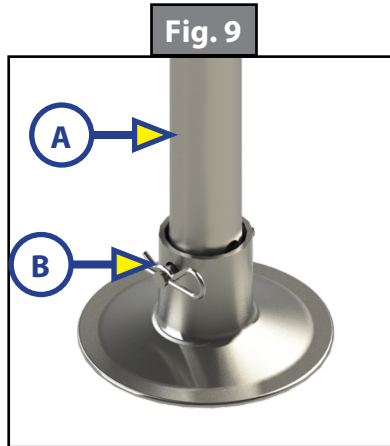
Fig. 8



Manual Operation

NOTE: In the event of loss of power, the Power Stance tongue jack can be operated manually.

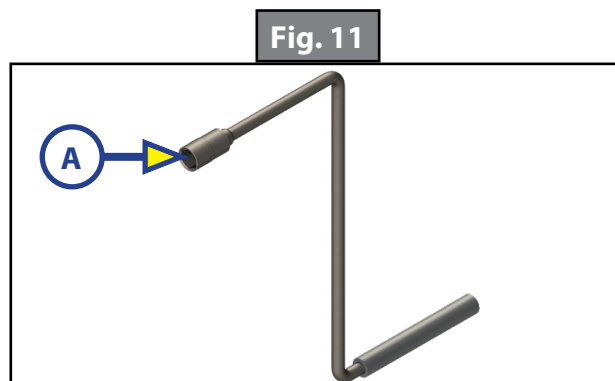
1. Manually unhitching from tow vehicle:
 - A. Chock the tires of the trailer.
 - B. Make sure the footpad of the Power Stance tongue jack is pinned securely in place with the clevis pin and hairpin cotter pin (Fig. 9B).
 - C. Make sure the ground surface under the power tongue jack is firm and level.



- D. Open the rubber plug (Fig. 10A) on top of the Power Stance tongue jack's gearbox to expose the manual drive shaft.



- E. Insert the socket end of the manual crank handle (Fig. 11A) into the manual drive shaft.



- F. Turn the manual crank handle (Fig. 11) clockwise until trailer is supported and the coupler clears the hitch ball.
- G. Move the tow vehicle away from the trailer.
- H. Lower the trailer until it is level by turning the manual crank handle counterclockwise.
- I. Remove the manual crank handle (Fig. 11).
- J. Replace the rubber plug (Fig. 10A).
- 2. Manually reconnecting to tow vehicle.
 - A. Chock the tires of the trailer.
 - B. Make sure the footpad of the Power Stance tongue jack is pinned securely in place with the clevis pin and hairpin cotter pin (Fig. 9B).
 - C. Open the rubber plug (Fig. 10A) on top of the Power Stance tongue jack's gearbox to expose the manual drive shaft.
 - D. Insert the socket end of the manual crank handle (Fig. 11A) into the manual drive shaft.
 - E. Turn the manual crank handle clockwise to allow the coupler to clear the hitch ball.
 - F. Position the tow vehicle under the trailer hitch.
 - G. Turn the manual crank counterclockwise until the coupler properly mounts the hitch ball. Continue to turn the manual crank handle counterclockwise until the leg of the Power Stance tongue jack (Fig. 9A) is fully retracted.
 - H. Remove the manual crank handle (Fig. 11).
 - I. Replace the rubber plug (Fig. 10A).
 - J. Make sure tire chocks are removed prior to moving the tow vehicle.

Troubleshooting

Fuse

The Power Stance tongue jack is provided with a 30A ATO-type in-line fuse which will need to be replaced if it blows. The battery must be fully charged prior to operating the Power Stance tongue jack. Low voltage from the battery will cause the fuse to blow prematurely.

NOTE: When RET or EXT on the switch is pushed, the light above the switch will turn on automatically, and remain on for five minutes. It will then automatically turn off.

Clutch

The Power Stance tongue jack is provided with a clutch and a motor. The clutch will slip under two conditions:

- A. The Power Stance tongue jack has reached its extend or retract limit.
- B. The tongue weight of the trailer has exceeded the capacity limits of the Power Stance tongue jack. Items stored in the trailer can vastly influence the weight on the Power Stance tongue jack. Reorganize stored items if the Power Stance tongue jack motor clutch continues to slip.

NOTE: Release the switch immediately when the clutch noise occurs. The clutch is the overload protection for the motor. The clutch should not slip during normal operation. This will cause excessive wear on the clutch and the motor.



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Follow proper safety practices. If in doubt, consult a professional RV technician.