



**POWER
STANCE™**



Power Stance™ Tongue Jack Installation and Owner's Manual (For Aftermarket Applications)

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Power Stance™ Kit	
Part #	Description
813748	Power Stance Tongue Jack with Footpad



Power Stance[™] Tongue Jack

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Introduction

The Power Stance[™] Tongue Jack is used with travel trailer A-frame applications. The textured casing helps protect from chips and cracks. Three LED lights provide excellent illumination while reducing power consumption. Helical cut gears reduce noise and improve operating efficiency. Enhanced rocker switch improves its durability. A chain holder provides a storage location for chains. The Power Stance Tongue Jack is provided with a 30A fuse, and has an 18" stroke with a 3,500-lb capacity.

NOTE: The Power Stance 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 or by using the LippertNOW app. Replacement kits can be ordered from <https://store.lci1.com/> or by using the LippertNOW app.

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

App Store[®] and iPad[®] are registered trademarks of Apple Inc.

Google Play[™] and Android[™] are trademarks of Google Inc.

Information regarding the assembly and components of this product can be obtained from <https://support.lci1.com/leveling-and-stabilization-support-tongue-jacks>

Safety

Read and fully 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 LCI limited warranty.

WARNING

THE "WARNING" SYMBOL ABOVE IS A SIGN THAT A SAFETY RISK IS INVOLVED AND MAY CAUSE DEATH, SERIOUS PERSONAL INJURY AND/OR SEVERE PRODUCT OR PROPERTY DAMAGE IF NOT SAFELY ADHERED TO 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 UNIT DAMAGE, INCLUDING SERIOUS PERSONAL INJURY OR DEATH TO PEOPLE AND PETS. MAKE SURE ALL JACKS ARE RETRACTED PRIOR TO TRAVEL.

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

MOVING PARTS CAN PINCH, CRUSH, OR CUT. KEEP CLEAR AT ALL TIMES.



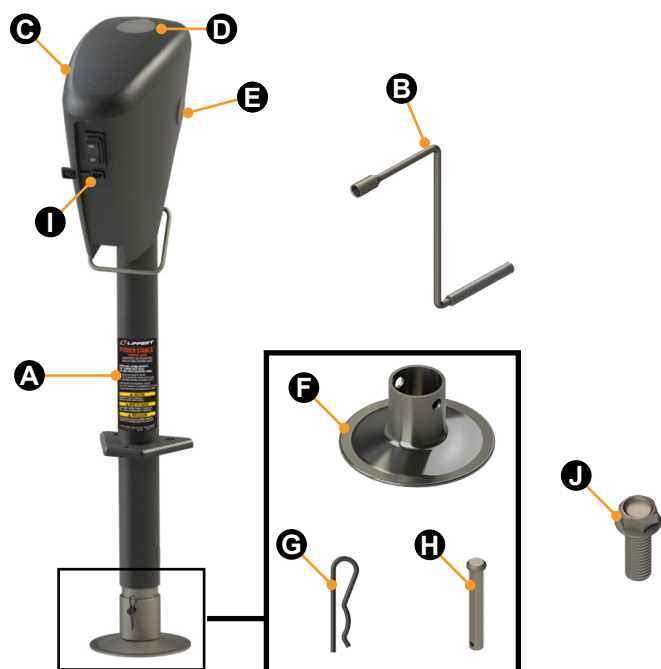
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Parts List

NOTE: Part numbers are shown for identification purposes only. Not all parts are available for individual sale. All parts with a link to the Lippert Store can be purchased



Aftermarket Kit #813748

Letter	PN	Description	Qty
A	813748	Power Stance Jack w/3 each $\frac{3}{8}$ " 16 x 1" bolts	1
B	N/A	Crank Handle (style may vary)	1

Replacement Parts Available

C	2020132943	Top Cap	1
D	2020132985	Top Plug	1
E	225875	Side Plug (1 each side)	1
B	285324	Replacement Manual Crank Handle (style may vary)	1
F	165253	Footpad	1
G	118105	Cotter Pin	1
H	382844	Clevis Pin	1
I	2020132986	Switch Assembly	1
J	117919	$\frac{3}{8}$ " 16 X 1" Bolt (3 total required)	1

NOTE: Make sure to inspect the packing material, front, back and underneath for all Power Tongue Jack parts.

Optional Part - Sold Separately

-	813749	PowerSwap Auxiliary Cord (not shown)
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Resources Required

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

Prior to Installation

1. 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). Set the pins and the footpad aside.

2. Support the trailer according to manufacturer's recommendations.

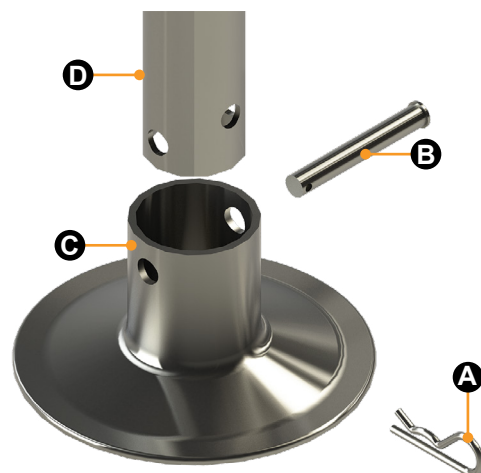


Fig.1

⚠ 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.



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Installation

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

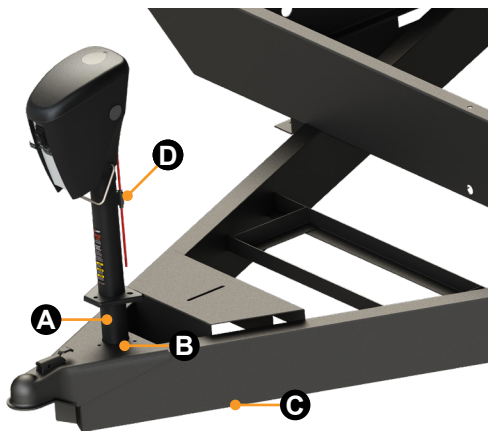


Fig.2

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

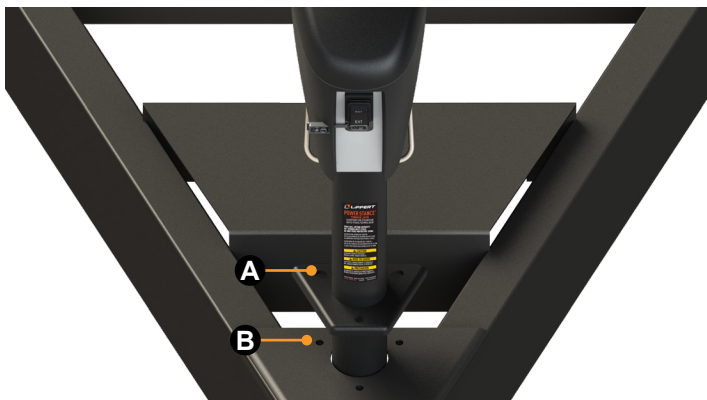


Fig.3

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



Fig.4

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. Loom the harness wires (Fig.2D) with the appropriate size and length 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 hairpin cotter pin (Fig.1A) previously removed.



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Operation

NOTE: The Power Stance 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).

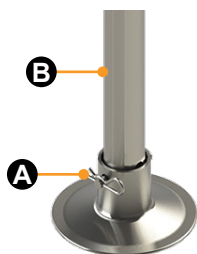


Fig.5

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.
5. Disconnect safety chains and attach to chain hanger on the Power Stance Tongue Jack.
6. Disconnect all electrical and mechanical connections between the trailer and tow vehicle.
7. Move the tow vehicle away from the trailer.
8. Push RET (Fig.6A) as needed to return the front of the trailer to level.

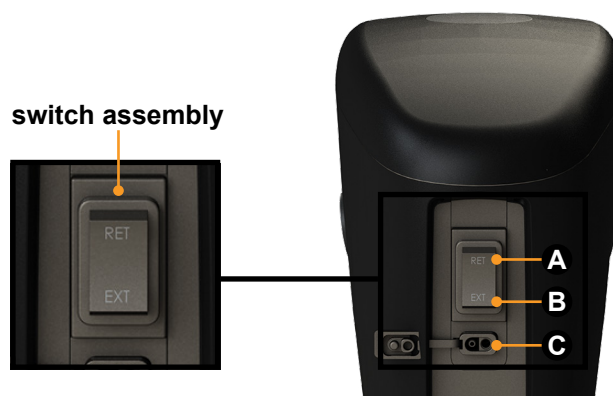


Fig.6



Fig.7

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. 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.
4. Reconnect all electrical and mechanical connections between the trailer and tow vehicle.

NOTE: Make sure the leg of the Power Stance Tongue Jack (Fig.5B) is fully retracted prior to moving the tow vehicle.

5. Reconnect safety chains to the tow vehicle.



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PowerSwap Auxiliary Cord (Part Number 813749 is Optional and Sold Separately)

The PowerSwap Auxiliary Cord (Fig.8) allows the user to power the PowerStance Tongue Jack from the battery of the tow vehicle when there is no battery power from the trailer.

NOTE: The PowerSwap 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 PowerStance Tongue Jack (Fig.6C).

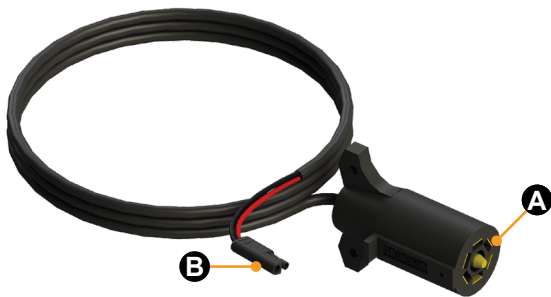


Fig.8

Manual Operation

NOTE: In the event of loss of power, the PowerStance Tongue Jack can be operated manually.

1. Manually unhitching from tow vehicle:

A. Chock the tires of the trailer.

B. Be sure the footpad of the PowerStance Tongue Jack 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.

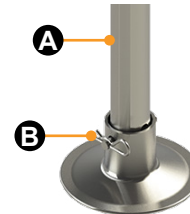


Fig.9

D. Remove the rubber plug (Fig.10A) on top of the PowerStance Tongue Jack's gearbox to expose the manual drive shaft.



Fig.10

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

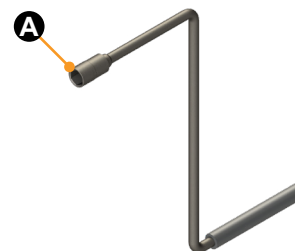


Fig.11



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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. Be sure the footpad of the PowerStance Tongue Jack is pinned securely in place with the clevis pin and hairpin cotter pin (**Fig.9B**).

C. Remove 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 counterclockwise until the coupler properly mounts the hitch ball and the leg of the Power Stance Tongue Jack (**Fig.9A**) is fully retracted.

F. Remove the manual crank handle (**Fig.11**).

G. Replace the rubber plug (**Fig.10A**).

NOTE: Make sure the leg (**Fig.9A**) of the Power Stance Tongue Jack is fully retracted 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 PowerStance Tongue Jack. Items stored in the trailer can vastly influence the weight on the PowerStance Tongue Jack. Reorganize stored items if the PowerStance 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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Notes



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