



Manual Sidewinder Tongue Jack

Installation and Owner's Manual

(For Aftermarket Applications)

Manual Sidewinder Tongue Jack Aftermarket Kit

Kit #	Description
285420	Manual Sidewinder Tongue Jack

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Introduction

The Manual Sidewinder Tongue Jack is a hand-cranked mechanical jack that offers simple and straightforward application and installation. It features a side-winding crank handle to accommodate a better range of motion while operating the jack and has a lifting capacity of 2,000 lbs. Do not exceed the capacity limit.

NOTE: The Sidewinder 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 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 iTunes® for iPhone® and iPad® and also on Google Play™ for Android™ users.

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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 Lippert 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.

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

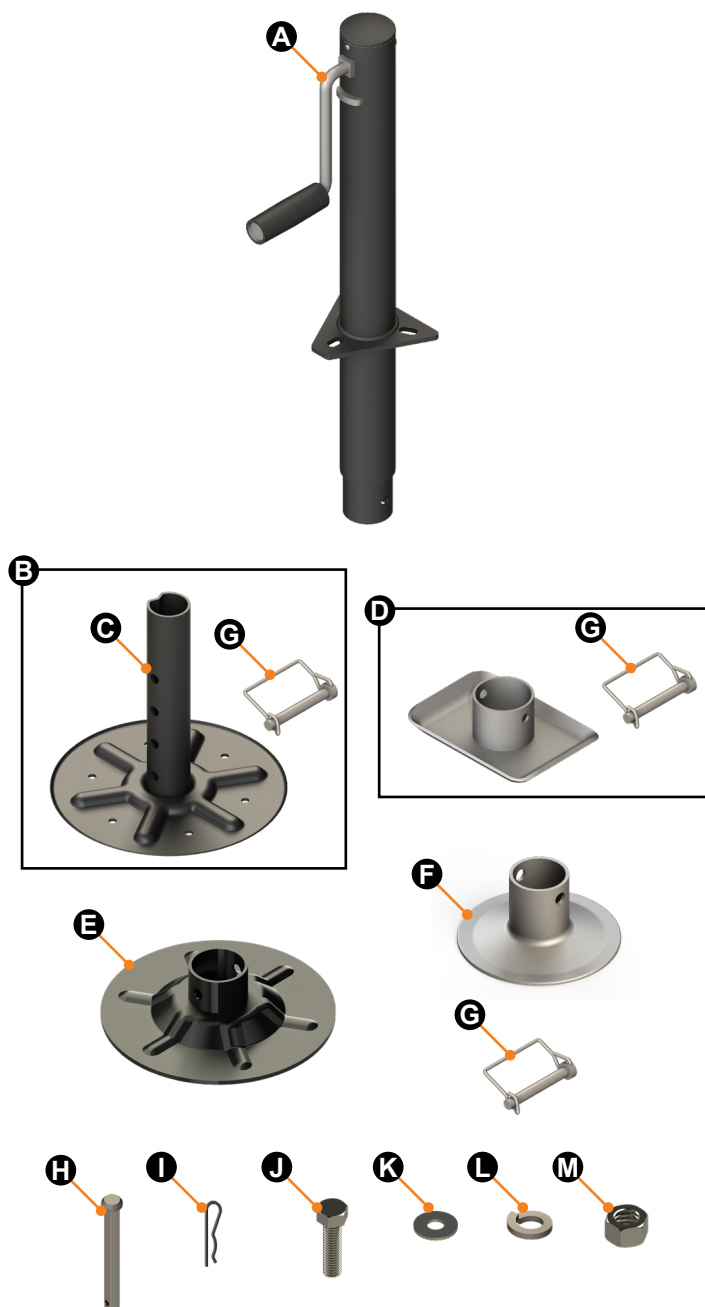
MOVING PARTS CAN PINCH, CRUSH, OR CUT. KEEP CLEAR AND USE CAUTION.



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Parts List



Manual Tongue Jack

Callout	PN	Description
A	285420	Manual Sidewinder Tongue Jack
Additional Kits Available for Purchase		
Kit-B	405217	Foot Pad for Tongue Jacks, 9"
C	405174	Adjustable Inner Foot Pad
G	225598	Snap Pin; 3" x 3/8"
Kit-D	140561	Foot Pad for Sidewinder Tongue Jack
G	225598	Snap Pin; 3" x 3/8"
Additional Parts Available for Purchase		
E	377962	9" Foot Pad
F	165253	Foot Pad for Tongue Jacks
G	225598	Snap Pin; 3" x 3/8"
H	382844	Clevis Pin
I	118105	Cotter Pin
J	131619	Hex Bolt; 5/8" - 11
K	118130	Flat Washer; 5/8"
L	118166	Lock Washer; 5/8"
M	129086	Hex Nut; 5/8" - 11

NOTE: Parts and kits listed are not part of the Sidewinder Tongue Jack kit but can be purchased separately. It is always recommended to install a footpad for proper jack operation.

NOTE: Part numbers are shown for identification and reference purposes only. Not all parts are available for individual sale.

Resources Required

- Cordless or electric drill or screw gun
- 3/16" socket



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Prior to Installation

1. Make sure the trailer is parked on level ground.
2. Chock all tires.
3. Support the trailer according to the manufacturer's recommendations.
4. Remove existing tongue jack from A-frame and properly dispose of jack. Retain mounting hardware and/or footpad and footpad hardware for future use. If hardware is damaged or missing, refer to the Additional Parts Available Separately table section for replacement hardware options.

⚠ WARNING

THE TRAILER MUST BE SUPPORTED PER THE MANUFACTURER'S RECOMMENDATIONS BEFORE WORKING UNDERNEATH. FAILURE TO DO SO MAY RESULT IN DEATH, SERIOUS PERSONAL INJURY AND/OR SEVERE PRODUCT OR PROPERTY DAMAGE.

Installation

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

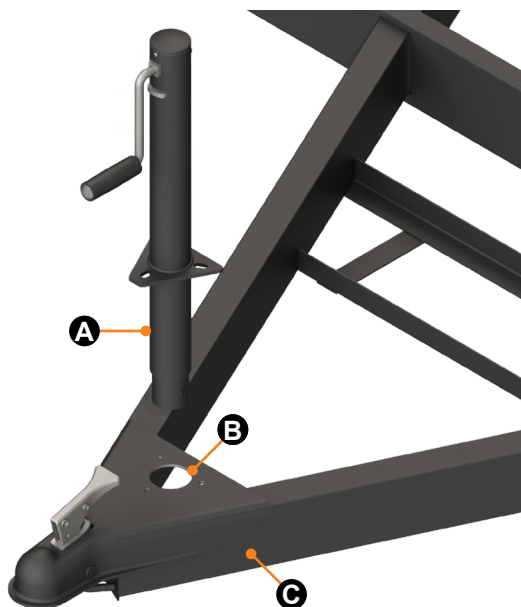


Fig.1

2. Align the three holes in the Manual Sidewinder Tongue Jack's mounting plate (Fig.2A) with the three holes in the A-frame coupler (Fig.2B), ensuring that the "flat spot" on the mounting plate (Fig.2C) is facing forward towards the hitch (Fig.2D).

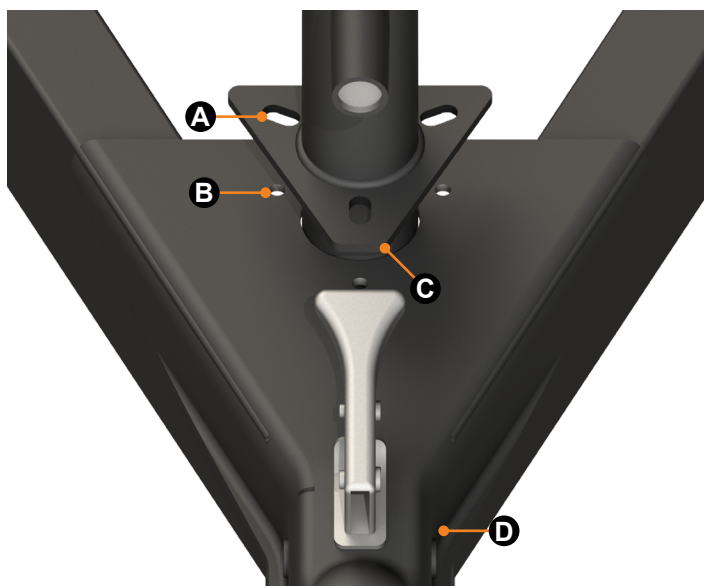


Fig.2

Thread three $\frac{3}{8}$ "-16 x 1" bolts (Fig.3A) through the previously aligned holes in the jack's mounting plate and A-frame coupler (Fig.3B). Some frames may require $\frac{5}{8}$ "-11 nuts. Leave slack in each bolt to allow for adjustments to be made as needed when positioning the jack plate to the coupler.

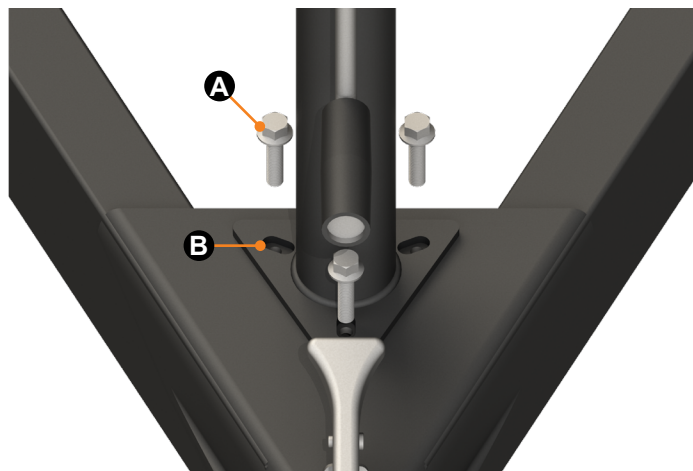


Fig.3



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3. Once the jack is in place and all three bolts are threaded, tighten each bolt. (Fig.4). Do not over tighten.



Fig.4

4. For optimal jack performance attach a footpad (Fig.5A) to the jack leg (Fig.5B) by sliding the footpad over or into the bottom of the jack leg (depending on the style of footpad selected), lining up the holes in the jack leg and the footpad (Fig.5C). Secure them with an appropriate pin (Fig.5D). Refer to the Additional Parts Available Separately table section for footpad and pin options.

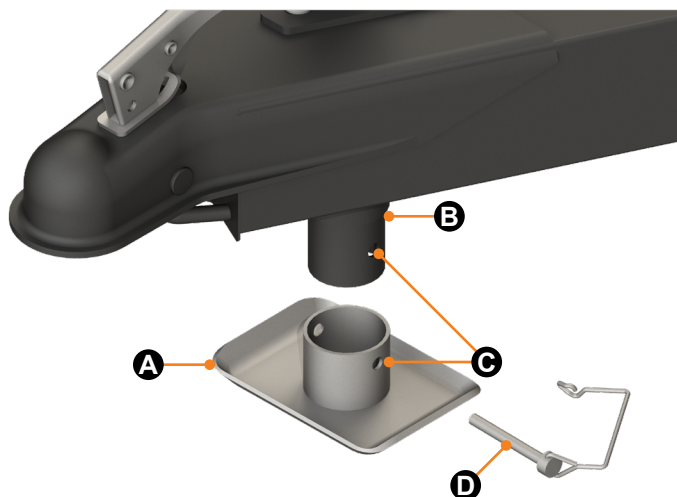


Fig.5

Operation

⚠ WARNING

THE MANUAL SIDEWINDER TONGUE JACK HAS A LIFTING CAPACITY OF 2,000 LBS. DO NOT EXCEED THIS LIMIT OR SEVERE PRODUCT DAMAGE, SERIOUS PERSONAL INJURY OR DEATH MAY OCCUR. KEEP PEOPLE AND PETS AT A SAFE DISTANCE DURING INSTALLATION AND OPERATION OF THE TONGUE JACK.

Crank Handle Operation

1. Rotate the crank handle (Fig.6A) clockwise to extend the jack leg (Fig.6).
2. Rotate the crank handle (Fig.7A) counterclockwise to retract the jack leg (Fig.7).

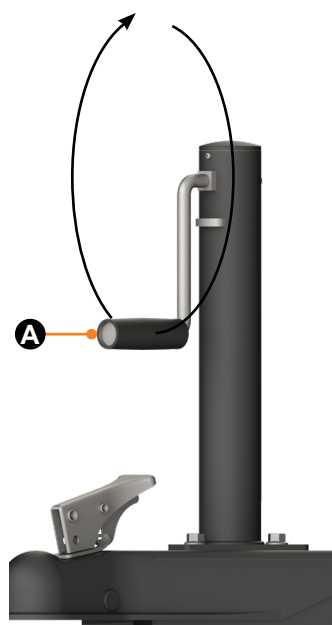


Fig.6

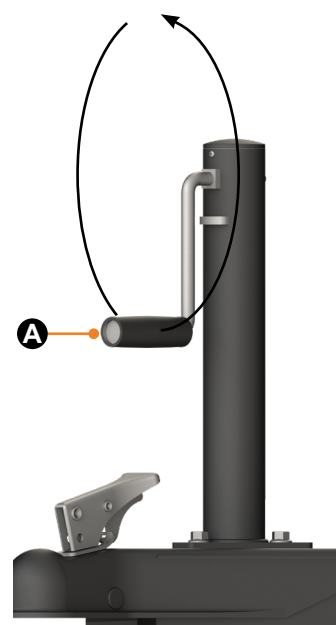


Fig.7



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Unhitching from a Tow Vehicle

1. Chock the tires of the trailer.
2. Make sure the ground surface under the Sidewinder Tongue jack is firm and level.
3. Rotate the crank handle clockwise to extend the jack leg to the ground.
4. Unlatch the trailer coupler.
5. Disconnect and store any wires, chains or sway control that may be equipped between the tow vehicle and the trailer.
6. Rotate the crank handle clockwise or counterclockwise as needed to adjust the height of the coupler so the ball can be pulled away safely.
7. Move the tow vehicle a safe distance away from the trailer.
8. Rotate the crank handle clockwise or counterclockwise as needed to level the trailer.

Hitching to a Tow Vehicle

⚠ 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.

1. Chock the tires of the trailer.
 2. Rotate the crank handle clockwise to extend the jack, lifting the coupler above the ball of the tow vehicle hitch.
 3. Back up the tow vehicle slowly until the ball hitch is directly underneath the coupler.
- NOTE:** Assistance may be required to ensure ball and hitch align properly for coupling.
4. Rotate the crank handle in a counterclockwise direction to retract the jack leg.

NOTE: Make sure the jack is fully retracted before proceeding.

5. Latch the tow vehicle hitch and connect any wires, chains or sway control that may be equipped between the tow vehicle and the trailer.

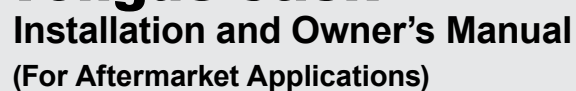
6. Remove the tire chocks.

Maintenance

1. Keep inner jack leg (Fig.8A) clean and free from dirt and debris.
2. Occasionally spray inner jack leg (Fig. 8A) with a dry silicone lubricant.



Fig.8





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