



JACK-IT[®] SPACEOPT
OEM INSTALLATION MANUAL

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Introduction

The Jack-IT® SpaceOpt bike rack is designed to be mounted around an installed tongue jack. The PowerTower™ that fits around the tongue jack has an inside clearance of 22 1/2". The optional mini jack, which is made to accommodate a manual tongue jack, has an inside clearance of 18 1/2".

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.

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.

Resources Required

- 3/4" socket wrench
- 9/16" socket wrench

Installation

⚠ WARNING

The trailer MUST be supported per manufacturer's recommendations before working underneath. Failure to do so may result in death, serious personal injury or severe product or property damage.

1. Remove the tongue jack from the coupler. Position the PowerTower™ (Fig. 1G) on the coupler. Place the tongue jack on the PowerTower (Fig. 1G) and secure both to the coupler using three nuts, bolts and washers each (Fig. 3H, 3I and 3J).

Note: If there is no tongue jack, attach the PowerTower (Fig. 1G) to the coupler on the front of the trailer using three nuts, bolts and washers each (Fig. 1H, 1I and 1J).

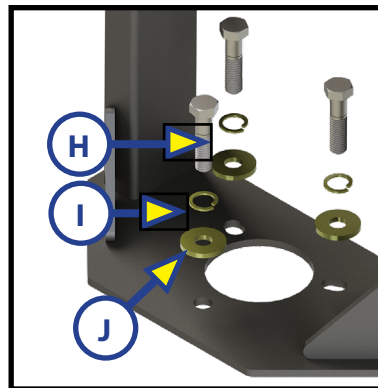
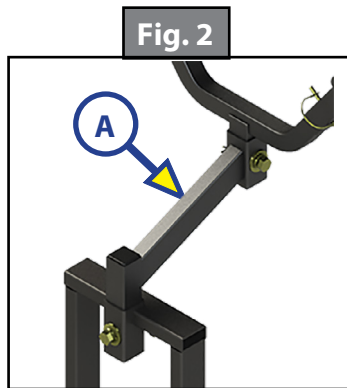
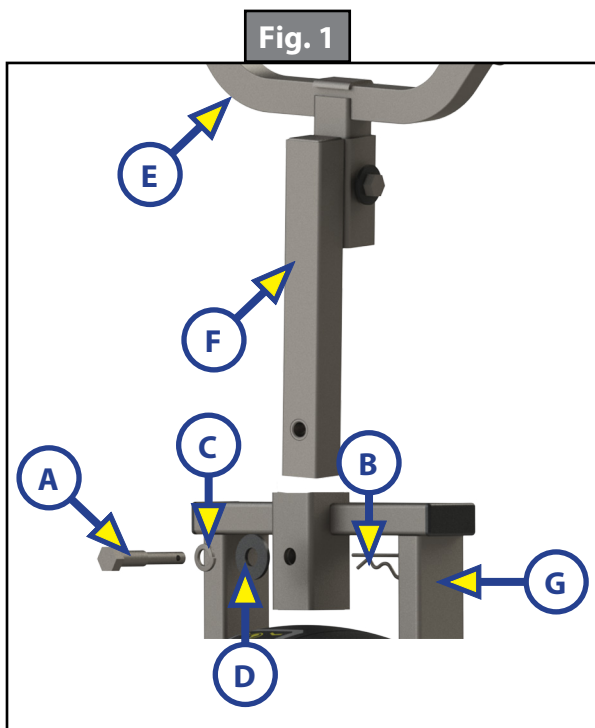
Note: There are two PowerTower options available. The standard option has an inside clearance of 22 -1/2". The mini jack, to accommodate manual tongue jacks, has an 18-1/2" inside clearance.

2. Attach the Stinger™ (Fig. 1F) to the PowerTower (Fig. 1G) using the NoMotion™ pin and washers (Fig. 1A, 1C and 1D). For safety, insert the cotter pin (Fig. 1B) through the hole at the end of the NoMotion pin (Fig. 1A) after tightening securely.

Note: The Stinger™ (Fig. 2A) is an optional style that is included in the OEM kit and can be utilized as shown.

Note: The NoMotion pins are lockable with a customer-supplied padlock having a 1/4" or smaller hasp.

3. Attach the base (Fig. 1E) to Stinger (Fig. 1F) using the NoMotion pin and washers (Fig. 1A, 1C and 1D). For safety, insert the cotter pin (Fig. 1B) through the hole at the end of the NoMotion pin (Fig. 1C) after tightening securely.



Note: Several hole positions are provided for cradles (Fig. 4A). Pads (Fig. 4D) and SwayStop™ pins (Fig. 4F) slide along the length of the wings (Fig. 4G).

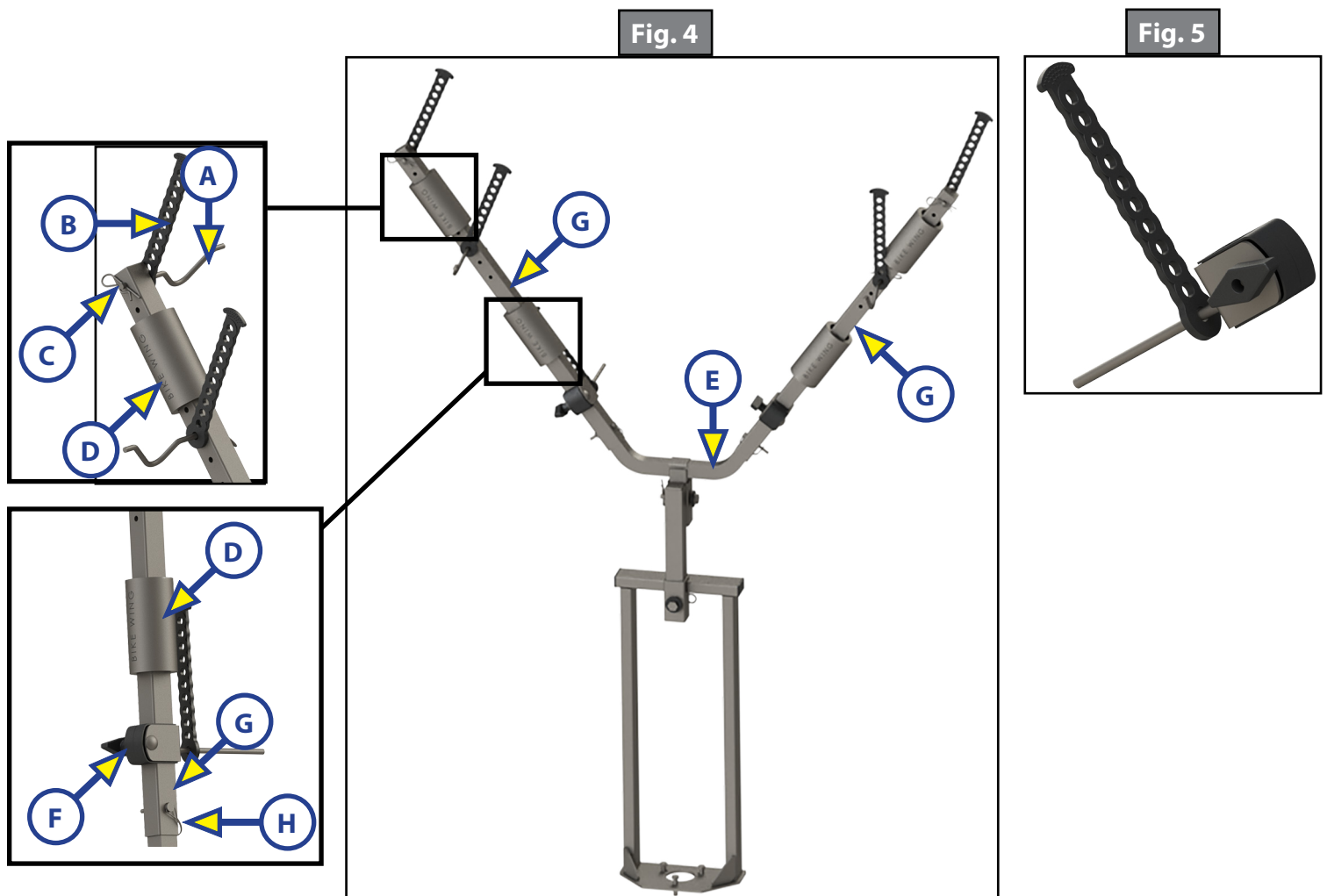
- Slide one SwayStop pin (Fig. 4F) onto each wing (Fig. 4G) from the bottom so that the SwayStop locates between the snap pin (Fig. 4H) and the pad (Fig. 4D).

Note: A second and optional SwayStop pin (Fig. 5) is provided to secure both wheels of the bike to the rack. Install on the other wing at this time if desired.

Note: If using the second and optional SwayStop pin, then the SwayStop pins (Fig. 4F) should point in opposite directions.

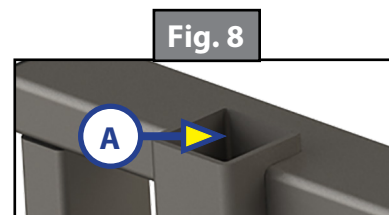
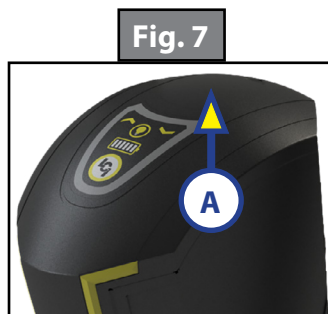
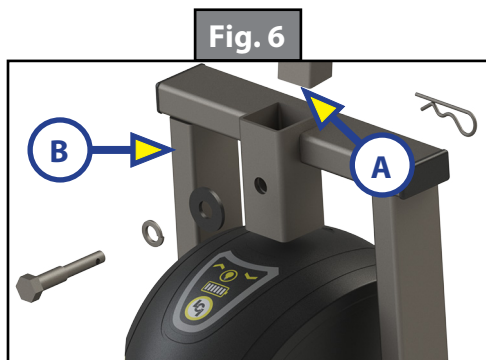
- Attach wings (Fig. 4G) to base (Fig. 4E) using 2 snap pins (Fig. 4H).
- Install 6 rubber straps (Fig. 4B): 1 onto each cradle (Fig. 4A) and 1 onto each SwayStop pin (Fig. 4F).
- Attach 4 cradles (Fig. 4A). Attach 2 to each wing (Fig. 4G), securing with cotter pins (Fig. 4C). Attach 1 on each wing facing the tow vehicle and 1 on each wing facing the trailer.

Note: Adjustment will be necessary depending on the size and desired position of the bicycles.



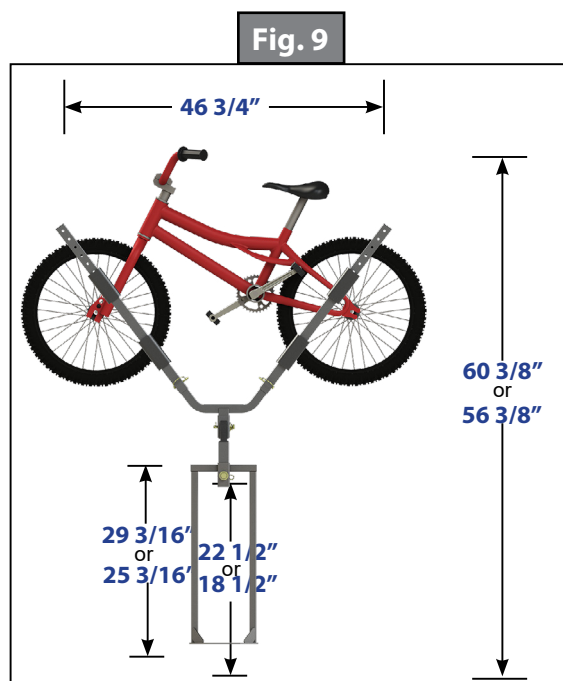
Manual Tongue Jack Operation

1. Remove the Stinger (Fig. 6A) from the PowerTower (Fig. 6B).
2. Remove the rubber plug located on top of the tongue jack (Fig. 7A) to expose the manual drive shaft. (PowerTower removed for clarity.)
3. Utilize the opening in the top of the PowerTower (Fig. 8A) to insert the appropriately-sized ratchet, extension and socket or the tongue jack crank handle to turn the drive shaft and manually raise or lower the jack.



Dimensions of Assembled Jack-It

Check dimensions to ensure adequate clearances for tongue jacks and liquid propane (LP) tanks (Fig. 9). Critical measurements for jacks are inside clearances of 22-1/2" and 18-1/2" for the standard and manual PowerTowers. The 29-3/16" and 25-3/16" measurements from the coupler to the wing base will determine LP tank clearance.



Maximum Weight Capacity

The maximum weight capacity of the Jack-It bicycle rack is 80 pounds.

⚠ CAUTION

Do not exceed the weight capacity or the receiver hitch manufacturer's tongue weight rating. Failure to acknowledge weight Ratings may result in damage to the trailer.

⚠ CAUTION

Always make sure all connections between the bicycle rack and the trailer coupler are secure/tight/ready for travel. Always make sure the bicycles are securely attached to the bicycle rack before driving.



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