



IMPORT BIKE RACK OEM INSTALLATION MANUAL

L I P P E R T
C O M P O N E N T S®

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System Information

WARNING

Failure to acknowledge bike rack weight ratings may result in damage to the trailer.

The Import Bike Rack can be provided with either an under bumper mounting configuration (432223), or an over bumper mounting configuration (432336). The bike rack can also be equipped with an optional bolt-on under-mount tire carrier (432585) and vertical mounting tube ([118478](#)) to help secure bicycles.

Safety Information

WARNING

Lippert Components, Inc. Import Bike Rack should not be used for any other purpose or reason than its intended use. To use the Import Bike Rack for any reason other than what it was designed for, may result in death or serious injury.

The Lippert Components, Inc. Import Bike Rack was designed to have a maximum total load capacity of 200 lbs. Before using a Import Bike Rack, please note the following:

Follow all Lippert Components, Inc. operation instructions. Failure to utilize the instructions provided may result in damage to the trailer, cause death or serious injury. The Import Bike Rack **MUST NOT** be used for the mounting of electric or motorized equipment. Any additional welding modifications to the chassis or bumper will void the warranty. Any aftermarket attachments by dealers or consumers to the bumper area will not be covered and will void the warranty of the bumper area. Please be advised that Lippert Components, Inc. frames, bumpers, bike racks, and hitches are warranted for factory installed equipment by the OEM RV manufacturer only. Call Lippert Components, Inc. Customer Service at 1-574-537-8900 if you have any further questions.

Bike Rack Weight Ratings

The Import Bike Rack weight rating is based on the height of the main rail tube. Weight ratings for the under-mounting and over-mounting brackets are as follows:

Under-mount bike rack bracket - 200 lb.

Over-mount bike rack bracket - 200 lb.

Optional under-mount tire carrier with spare tire - 100 lb. additional weight to bike rack of OEM's choice.

Optional vertical mounting tube - No additional weight to bike rack, only used for vertical support of carried items.

Resources Required

- 1 to 2 Persons
- Cordless or Electric Drill or Screw Gun
- Appropriate Drive Bits
- ½", ⅜" and ¼" Drill Bits
- ½", ⅜" and ¼" Combination Wrenches
- ½", ⅜" and ¼" Socket
- Torque Wrench (Ft-Lbs)
- Marker

Preparation

Under Bumper Attachment

NOTE: If using the under-mount attachment (Fig. 1) assembly (432223) to connect the bike rack, verify that the chassis was equipped with the necessary assembly bracket mount.

Over Bumper Attachment

NOTE: If using the over-mount attachment (Fig. 2) assembly (432336) to connect the bike rack, verify that the chassis was not equipped with the under-mount assembly brackets.

Fig. 1

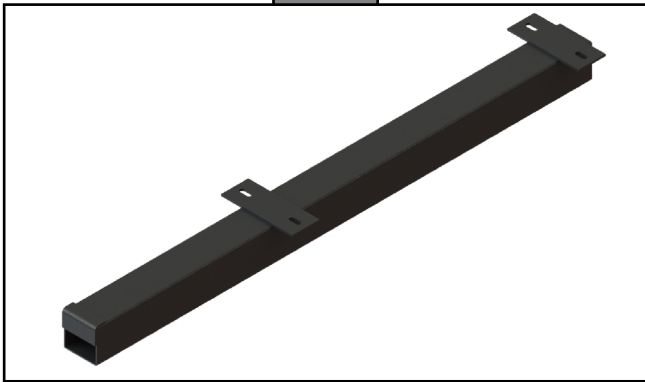
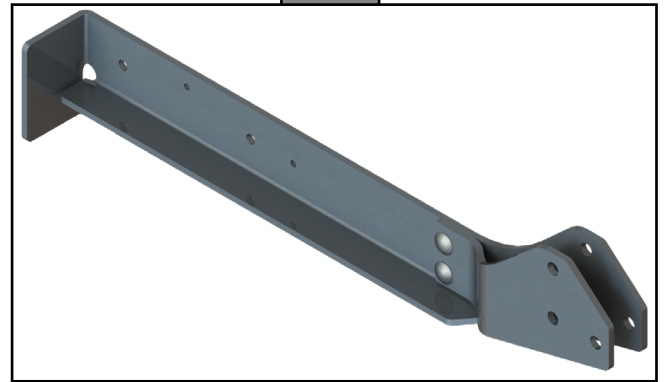


Fig.2

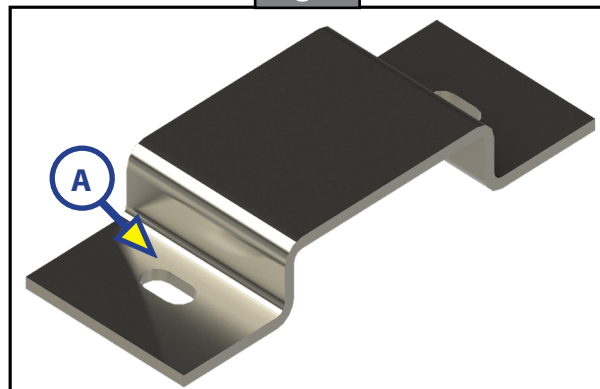


Installation

Under Bumper Attachment Assembly

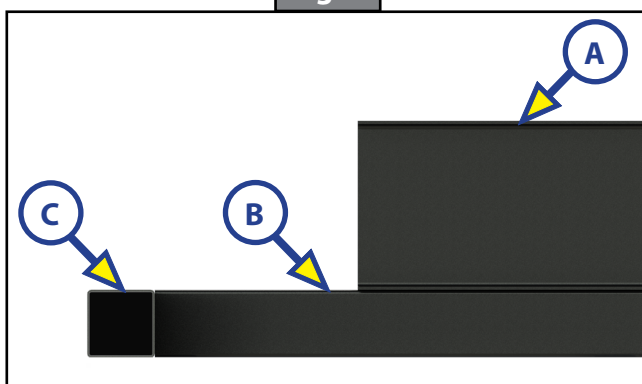
NOTE: Verify that trailer is equipped with the weld-on brackets (Fig. 3). The trailer **MUST** have these brackets in order to complete the installation. If the unit is already equipped with the weld-on brackets, skip to step 12.

Fig. 3



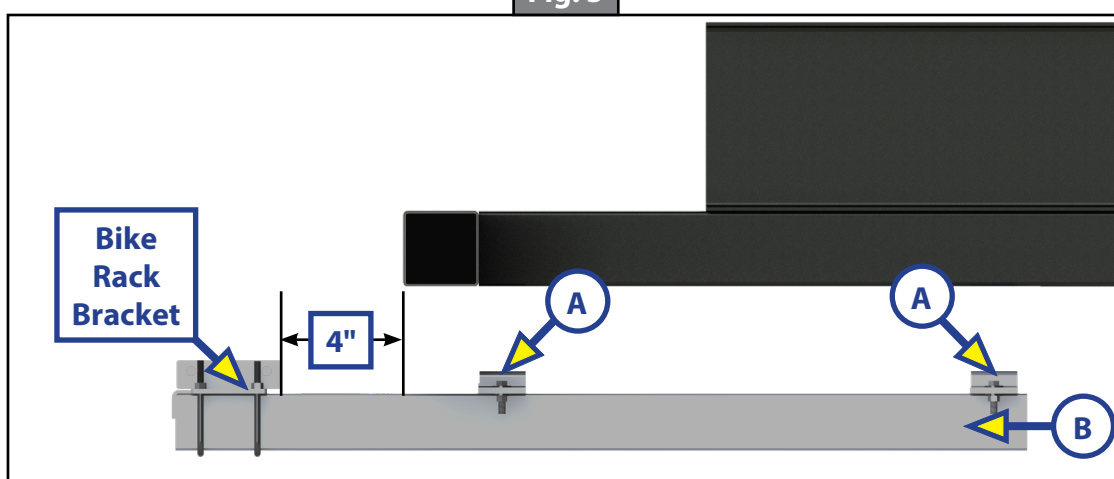
1. Locate the following on the trailer: the frame rails (Fig. 4A), the bumper bracket (Fig. 4B) and the bumper (Fig. 4C).

Fig. 4



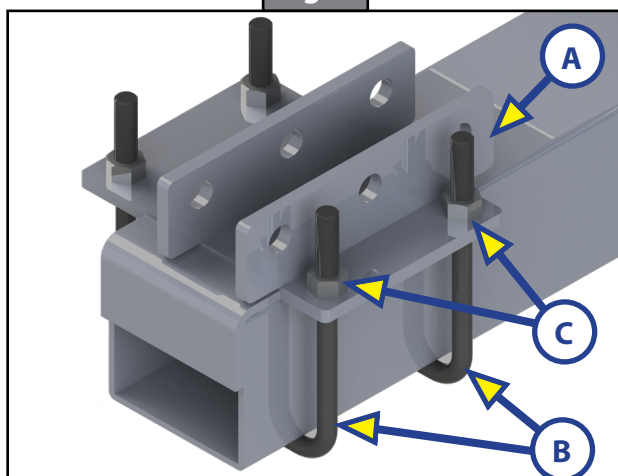
2. Bolt on the weld-on brackets (Fig. 5A) to the bike rack support arm (Fig. 5B), using 4 supplied $\frac{3}{8}$ "-16 x 1 $\frac{1}{2}$ " zinc bolts with one $\frac{3}{8}$ " flat washer per bolt.

Fig. 5



3. Insert the bolt through the precut slot (Fig. 3A) in both the support arm brackets and the weld-on brackets.
4. Attach the bike rack brackets (Fig. 6A) to the top of the mounted bike rack support arms
5. With the provided $\frac{3}{8}$ "-16 x 4 $\frac{3}{4}$ " x 5 $\frac{1}{2}$ " U-bolts (Fig. 6B); mount the U-bolts spanning both sides of the previously mounted support arms, and exiting through the bike rack brackets on the top of the support arms.
6. Thread and secure $\frac{3}{8}$ "- 16 hex nuts (Fig. 6C) onto the exposed ends of the U-bolts.

Fig. 6



7. Lift the bike rack support arm, with weld-on brackets attached, and center the assembly on the frame rails.
8. While supporting the bike rack support arm, outline the weld-on bracket placement onto the frame rail with a marker.

NOTE: A minimum of 4" is needed for the bike rack to be stored in the closed and upright position (Fig. 5).

9. Disassemble the weld-on brackets from the support arm.
10. Align the weld-on brackets into the previously marked outline on the frame rail, and seam weld the weld-on brackets onto the frame rail.
11. Let the welds air cool, then clean and paint the brackets with black spray paint.
12. Install one $\frac{3}{8}$ " flat washer on each of the 8 supplied $\frac{3}{8}$ "-16 x 1 $\frac{1}{2}$ " zinc bolts (4 per support arm) and then insert the bolt through the precut slot in both the support arm brackets and the brackets welded on the chassis.

NOTE: Bolt should be inserted from the top chassis bracket down through the support arm.

13. Install an additional washer over the exposed thread of the bolt, and then thread and secure a $\frac{3}{8}$ " nylon locking nut.
14. At this point, the bike rack support arms should be attached securely to the chassis.
15. Repeat step 1 through step 14 on the other bike rack support arm.
16. The bike rack is now ready to attach to the bike rack brackets.
17. Lift the bike rack and insert it into the bike rack brackets (Fig. 7).
18. Insert the provided $\frac{1}{2}$ "-13 x 3 $\frac{1}{2}$ " bolts (Fig. 8A) through the bike rack bracket, the Light Bolt-on Bike Rack, and through the other side of the bike rack bracket.
19. Thread and secure the $\frac{1}{2}$ "-13 lock nut onto the bolts (Fig. 8B).
20. Lastly, insert the $\frac{1}{2}$ " clevis pin (Fig. 8C) through the remaining horizontal hole on both the bike rack bracket and the bike rack, securing with a hairpin cotter pin (Fig. 8D).

Fig. 7

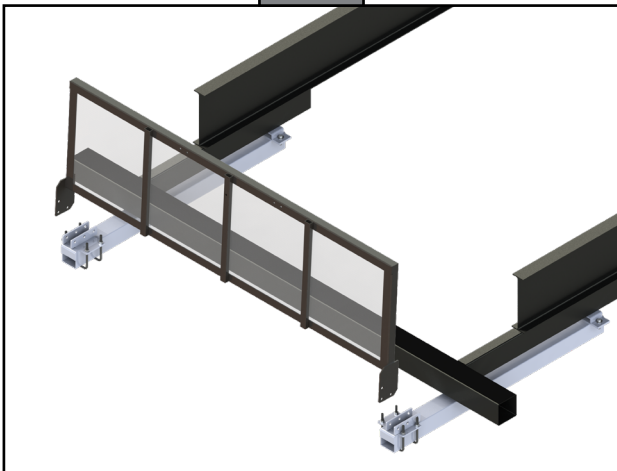
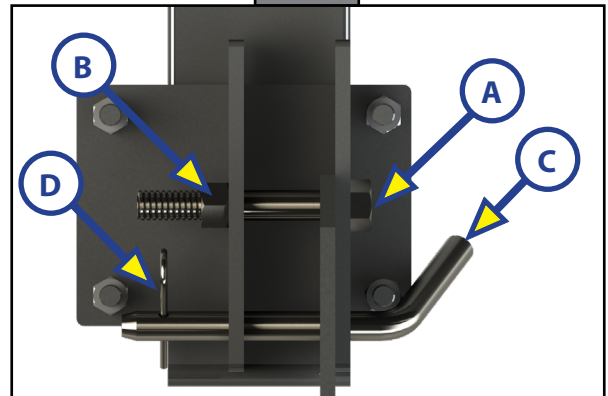


Fig. 8



Over Bumper Attachment Assembly

NOTE: Verify that trailer is not equipped with the weld-on brackets (Fig. 3). The trailer **MUST NOT** have these brackets in order to complete the installation of the over bumper bike rack brackets. If the brackets are present, either grind off the weld-on brackets or order the under bumper bike rack attachments.

NOTE: The over bumper bike rack attachments are not interchangeable and are side specific.

1. Place the roadside bracket on the roadside chassis rail. The bottom flange of the bike rack bracket (Fig. 9A) will rest on the lower shoulder of the I-beam lip (Fig. 9B).

Fig. 9

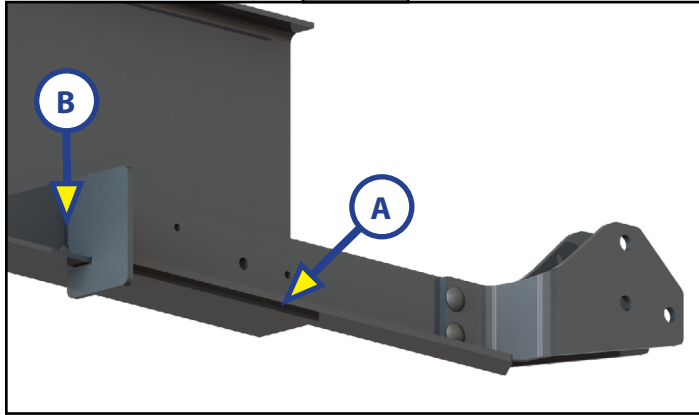
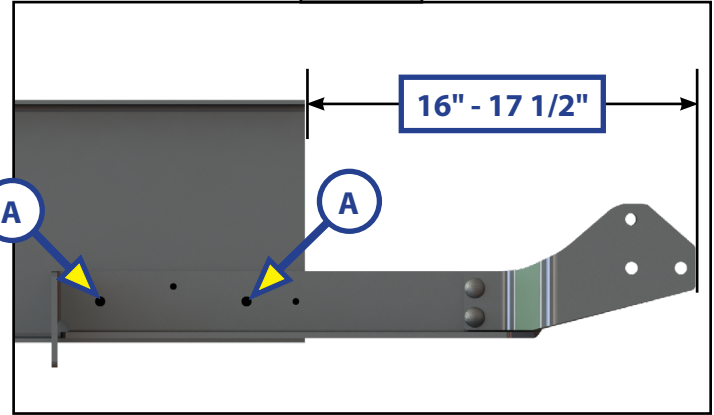


Fig. 10



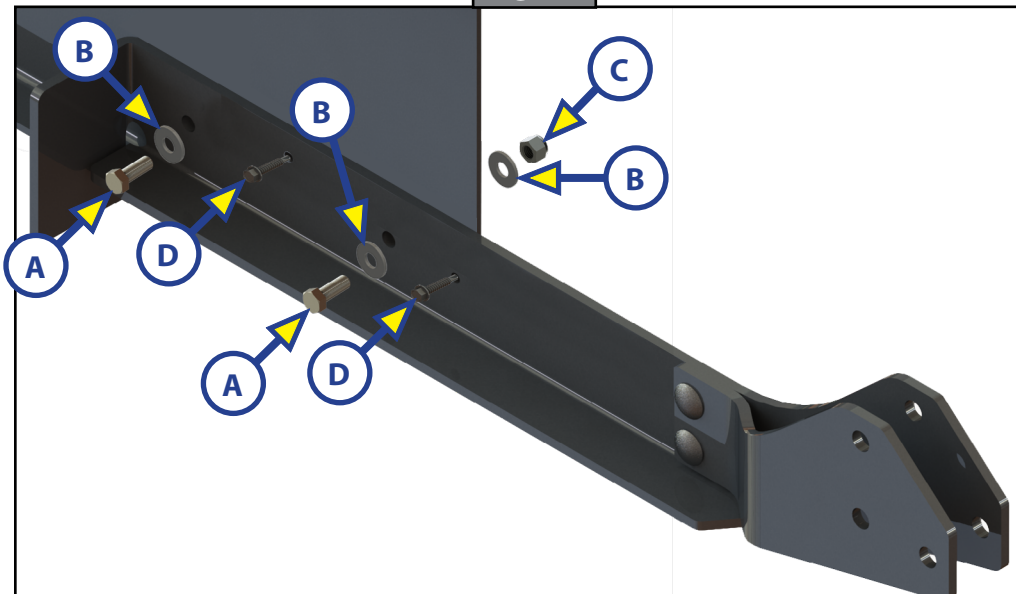
NOTE: Mount the bracket to extend past the frame between 16" and 17 1/2" (Fig 10). It is important to maintain that distance as the bike rack will not stow properly in the upright position if the distance is less than 16".

2. To hold the bracket in place, install 1/4"-14 x 1 1/4" self-tapping hex head screws (Fig. 11D) into available holes on the bike rack bracket.

NOTE: At the extended range the hole may be off the I-beam.

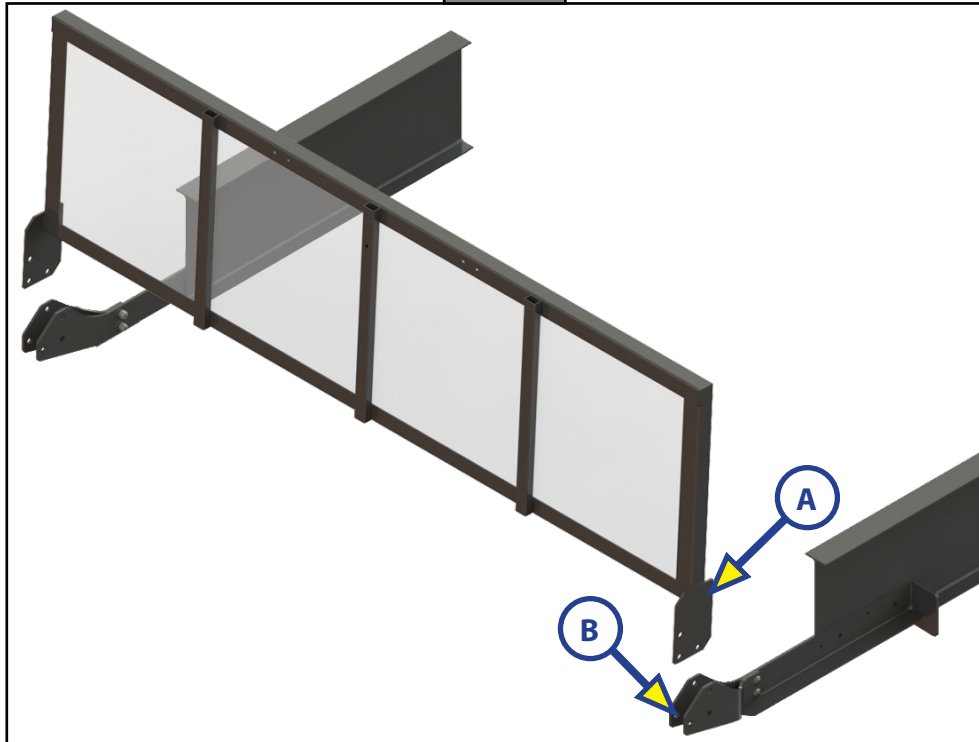
3. With a 3/8" drill bit, drill through the bike rack bracket and the I-beam (Fig. 10A) at two locations,
4. Install a 3/8"-16 x 1" bolt (Fig. 11A) through a 3/8" flat washer (Fig. 11B), the bike rack bracket and lastly through the I-beam. Do this to both of the 2 drilled holes.
5. Install an additional 3/8" flat washer (Fig. 11B) over the exposed thread and secure with a 3/8"-16 nylon locking nut (Fig. 11C) to both bolts.

Fig. 11



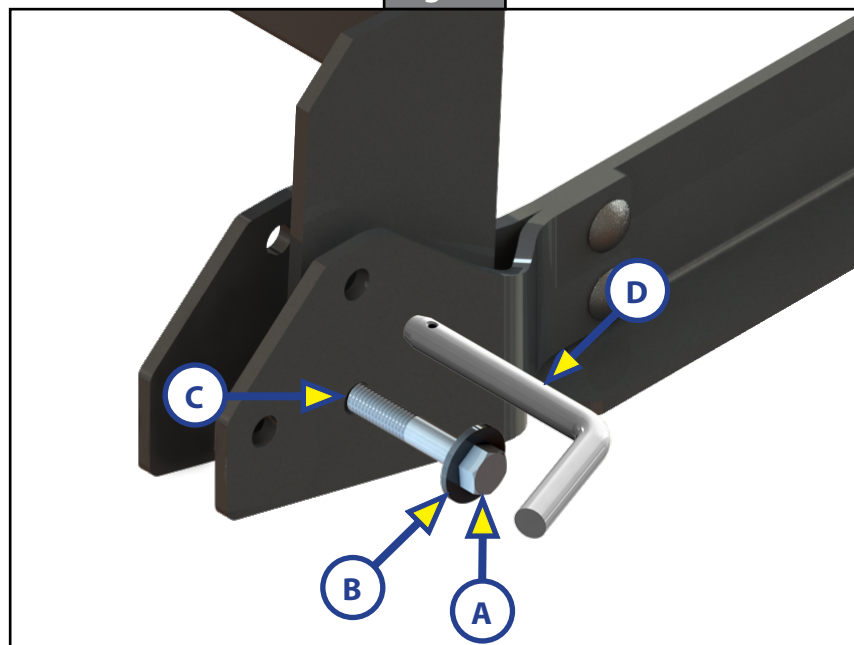
6. Install the $\frac{1}{4}$ "-14 x 1 $\frac{1}{4}$ " self-tapping hex head screws into the remaining holes as applicable (Fig. 11D) on the bike rack bracket.
7. Repeat step 1-6 with the remaining curbside bike rack bracket.
8. Once the bike rack bracket is secured onto the chassis frame rails, the Light Bolt-on Bike Rack can be attached to the bike rack bracket assembly.

Fig. 12



9. Lift the bike rack up so that it is perpendicular (Fig. 12A) to the bike rack bracket assembly (Fig. 12B).
10. While supporting the bike rack, insert the $\frac{1}{2}$ "-13 x 3 $\frac{1}{2}$ " bolt (Fig. 13A) through the $\frac{1}{2}$ " washer (Fig. 13B), and the bike rack bracket hole (Fig. 13C).
11. Secure the bolt with an additional $\frac{1}{2}$ " washer and $\frac{1}{2}$ " nylon locking nut.
12. Install $\frac{1}{2}$ " clevis pin through the remaining vertical hole (Fig. 13D) on both the bike rack bracket and the bike rack, securing with a hairpin cotter pin.

Fig. 13

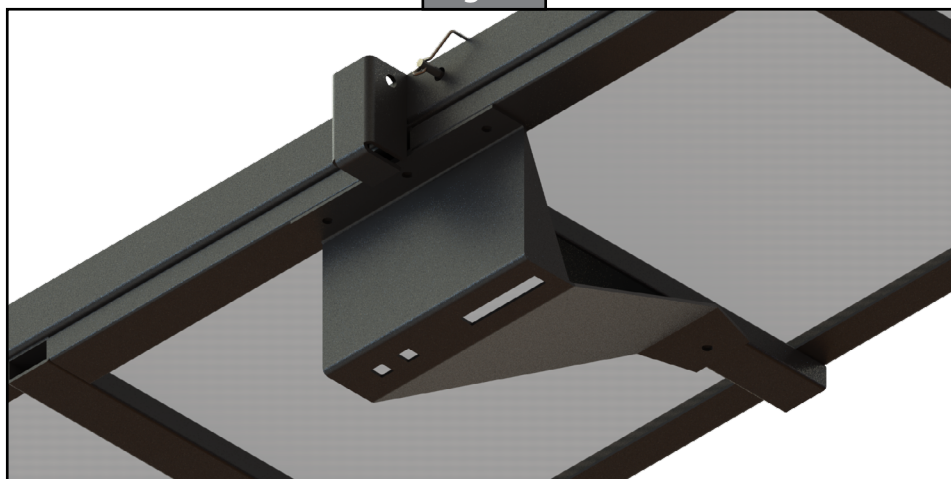


Bike Rack Accessories

⚠ CAUTION

Failure to acknowledge tire carrier weight ratings may result in damage to the trailer. Lippert spare tire carriers are not intended to be used for more than one spare tire. The combined weight of the spare tire carrier tire must not exceed a total weight of 100 lbs.

Fig. 14



Spare Tire Carrier

1. Place the tire, hub side up, directly underneath the spare tire bracket (Fig. 14).
2. Insert one bolt from inside of the spare tire carrier down through the tire carrier and exiting through one of the wheel stud holes.
3. Thread and secure a nylon locking nut onto the bolt.
4. Insert an additional bolt through the horizontal channeled slot in the spare tire carrier and through an additional opposing wheel stud hole from the first one.
5. Secure a nylon locking nut onto the additional bolt.

⚠ CAUTION

Prior to transporting the trailer, note the new departure angle with the spare tire carrier and spare tire attached. The new angle will be less than the original departure angle.

Optional Vertical Bike Support Bracket

1. Remove the snapper pin (Fig. 15A) from the mounting tube (Fig. 15B).
2. Rotate the mounting tube vertically (Fig. 16A) and place it in the mounting bracket (Fig. 16B).

Fig. 15

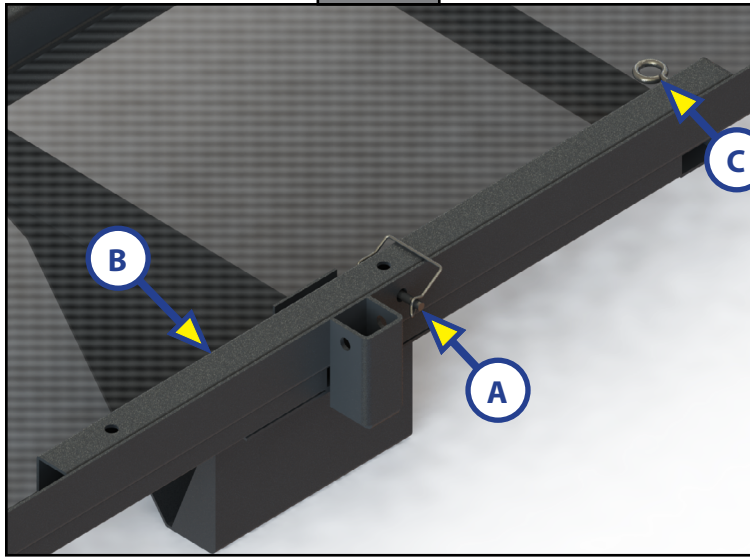
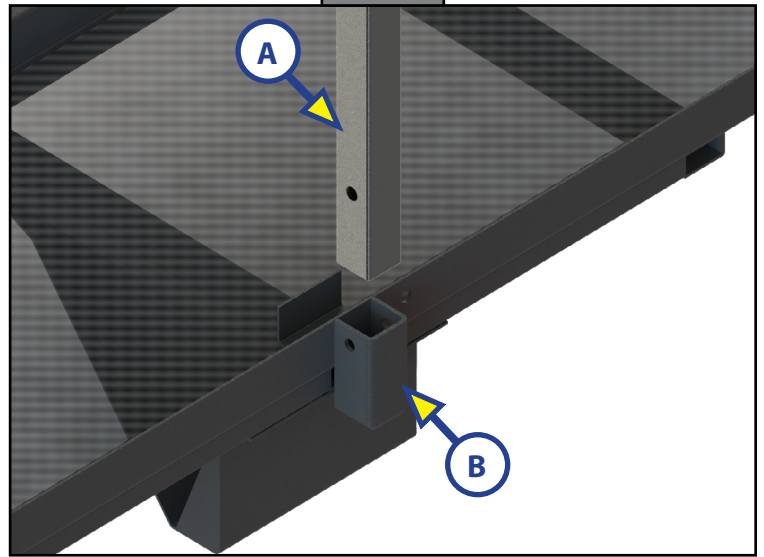


Fig. 16



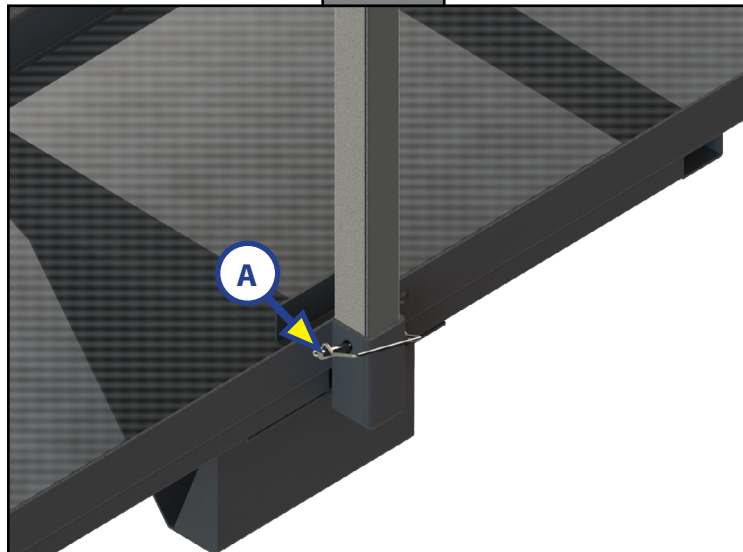
3. Insert the snapper pin completely through the mounting bracket and tube holes (Fig. 17A).

NOTE: Make sure the snapper pin is securely fastened and that the bike rack is stable.

4. The vertical bike support bracket is now extended and ready for operation.

NOTE: Utilizing the mounting holes on the front cross member of the bike rack and the hole and eye-bolt (Fig. 15C) on the mounting tube, secure the bicycle to the bike rack. Possible items to use to secure the bicycle include rope, bungee cords and ratchet-style motorcycle straps, none of which are included with the bike rack assembly.

Fig. 17





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