

TandemMount R4 Installation Manual

Guidelines/Restrictions:

- This carrier is intended for Thule® rectangular and Yakima® round bars only.
- Bicycles must be equipped with quick release front wheel.
- Minimum crossbar spread is 24 inches, maximum 40 inches.
- Do not exceed the load capacity of your vehicle's roof rack.
- Bicycle weight limit is 45lbs with this carrier.
- Forks equipped with carbon fiber dropouts or forks without safety tabs are not covered under this warranty.

Assembly Instructions

Your tandem mount requires a few simple steps for assembly. Please refer to the diagrams.

- 1) Loosen the plastic wingnut and remove the clamp assembly (Figure #1) and slide the silver aluminum bracket from the parts bag onto the larger diameter tube.
- 1) Slide the clamp assembly back into the same position you removed it from. Slide the open end of the smaller tube part way into the larger tube. Slide it until the stop bolt (Figure #2) is a few inches from the wingnut.
- 2) The stop bolt and stop plate prevent the two telescopic sections from detaching. Place the stop plate (Figure #2) into the slot on the bottom of the smaller tube. This plate **MUST** be behind stop bolt (closer to the rear, or end with the aluminum cap). Slide the smaller tube part way into the larger tube until the holes in the rectangular plate line up with the corresponding holes in the clamp and larger tube. Insert two allen head bolts and tighten securely with the enclosed allen wrench (Figure#3).

Mounting on your roof rack

- 1) If you are using a Thule® crossbar, remove the plastic insert (Figure#4) in the four plastic bar clips. If you are using a Yakima® crossbar, proceed to step 2.
- 2) Spread open the plastic bar clips (Figure #5) and place them a few inches apart on your crossbars (Figure #6). There will be two on the front bar, and two on the rear bar, in line with each other. It does not matter which direction they are facing. **Note: To avoid the front crank assembly of your tandem from hitting the door frame or window, mount the tandem mount outside the towers. If you do not do this, the crank assembly can interfere and you will not be able to use the pivoting function. You need about 5 ½" of crossbar for this to work. If you do not have 5 ½" You can: a) adjust your crossbars so there is more bar protruding from the side on which you will be mounting your tandem. b) purchase longer crossbars c) purchase the "Offset Bracket" from your dealer or RockyMounts for \$29.95 (part # 0513).**
- 3) Place the assembled tandem mount on top of the plastic bar clips, so the holes in the aluminum collars line up with the holes in the bar clips (Figure #7). Drop the four gold carriage bolts into the collars as pictured, so the threaded portion passes through the plastic bar clips.
- 4) Place a flat washer on the bolt and thread the nyloc nut onto each bolt by hand. Stand in front of the vehicle and make sure the tandem mount is straight before you tighten the hex nuts. Tighten the

four hex nuts (Figure #8) with a ½" or adjustable wrench. When the two sides of the bar clip touch, it is tight enough. **DO NOT OVER TIGHTEN!**

5) Slide the Wheel Strap into the slot on the bottom of the tray from the rear, with the buckle facing out.

To Load a Tandem

1) Loosen the plastic wingnut (Figure #13) and slide the smaller tube all the way back until it stops. If the smaller tube comes separated from the larger tube, you made an assembly error. Please read the [assembly instructions](#) again or contact your dealer or RockyMounts for tech support.

2) Enclosed is a nylon handlebar strap. This keeps your handlebars from pivoting while you load your tandem. Loop the two ends (shown installed in Figure#10) over your brake levers (road) or around your grips (mountain). Open up the plastic buckle and loop one end around the seat post, and back into the buckle. **Tighten the strap. Note: It is important to leave some slack in the strap. If you do not, you will not be able to pivot the tandem off the rack without using two people!**

3) Push the button (Figure #9) and pivot the quick release 90 degrees.

4) Remove the front wheel from the bicycle.

5) It is critical the quick release is operated properly, if not, the bicycle can detach from the tandem mount. Please follow these steps to ensure proper operation.

Move the quick-release lever to the OPEN position, set the fork so it touches the inside of the quick release. With the lever halfway between the OPEN position and CLOSED position, tighten the adjusting nut on the far side, until finger tight. Place the lever in the palm of your hand and throw the lever to the closed position. At the half-closed position of the lever, you should feel some resistance. Do not tighten the quick-release wheel retention mechanism by turning the lever like a wing nut; this will not result in sufficient force to hold the fork in place. If the lever is moved to the CLOSED position with little or no resistance, clamping strength is insufficient. Return the lever to the OPEN position, tighten the quick-release adjusting nut further and close the lever, and again test for resistance. Note: DO NOT OVERTIGHTEN! Most quick release failures result from riders over tightening the quick release lever. To be sure you have closed the lever properly, shake the fork back and forth, it should not move.

6) With the fork securely clamped in place, pick up the bicycle (Figure #11) and pivot the rear wheel up and into the tray on the rear end.

7) Fasten the wheel strap by looping the end through the wheel and into the buckle. Close the buckle against the wheel tray. For a road or skinny tire, offset the wheel strap so it contacts the rim and pulls it down! Please refer to Figure # 12. When closing the strap, you must push the end of the strap UNDER the tray as shown. If you do not, the strap may NOT stay closed.

8) Be sure the plastic wingnut is tight (Figure #13).

9) Check the button that allows the quick release to pivot. It should have locked back into place. If not, hold the fork, and rotate it until the button engages and locks into place.

To unmount the bicycle

1) Unfasten the wheel strap.

2) While holding the fork, push the button and turn the fork slightly to the outside of the car. If the handlebar strap is too tight, the button will re-engage, not allowing one person removal.

3) Pivot the rear wheel down to the ground.

4) Open the quick release skewer and remove the fork.

5) Enjoy the ride.

Adjustments/Recommendations

- 1) You can loosen the plastic wingnut and slide the tray all the way forward to carry a single bike. You will need to retighten the wingnut and move the strap into the slot on the front side of the tray.
- 2) The headset mechanism's rotation can be adjusted with a 6mm allen wrench. There is a bolt underneath the head tube that allows this. If the mechanism is too loose, incrementally tighten the bolt until you are comfortable with the motion. It is preset at the factory, but can be slightly adjusted for individual preferences. As always, do not over tighten!
- 3) If you will not be using your tandem mount for the winter, it will last longer without being exposed to the elements.

Caution:

- **Remove Baby Seats, Panniers, U-Locks or items which could detach from the bicycle.**
- **Do not use bicycle covers, bicycle bras, or bikes equipped with disc wheels.**
- **Do not take the vehicle off road, if you must, drive cautiously. .**
- **Remove rack before entering a car wash.**
- **Check all fastenings (nuts, bolts, straps and skewer) before each use.**

One Year Limited Warranty

Rocky Mounts Inc. Warrants to the original purchaser that the product will be free from defects in material and/or workmanship for one (1) year from the date of original retail purchase. Subject to the limitations stated below, Rocky Mounts will at its own expense during the one year warranty period repair or replace the defective component(s). The purchaser will be responsible for freight charges to Rocky Mounts. This warranty is only applicable if the instructions are correctly followed and the components are properly used. This warranty is not applicable if the defect is caused by normal wear and tear or exposure, the component(s) is damaged from misuse, abuse, theft, fire, accident, alteration, mixing third party components with the system and/or unlawful operation of the vehicle. Rocky Mounts Inc. cannot and does not assume responsibility for any damages to any property arising out of the improper attachment to a vehicle or a bicycle to the system or use of its products. This limited warranty applies to Rocky Mounts products and not to the products used in conjunction with Rocky Mounts products.

This warranty is in lieu of all other warranties, expressed or implied, and does not cover consequential damages of any kind arising from the use or misuse of Rocky Mounts products.

ROCKY MOUNTS DOES NOT AUTHORIZE ANY PERSON TO ASSUME, ON ITS BE- HALF, ANY OTHER OBLIGATION OR LIABILITY.

Fig 1

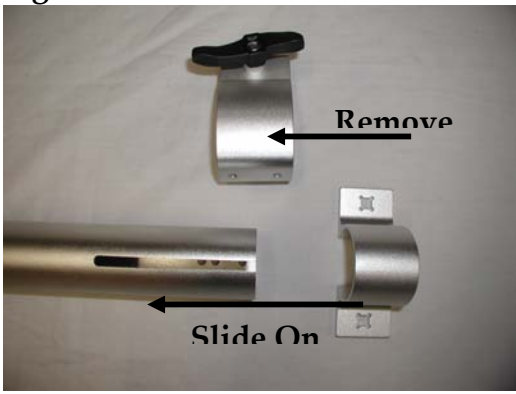
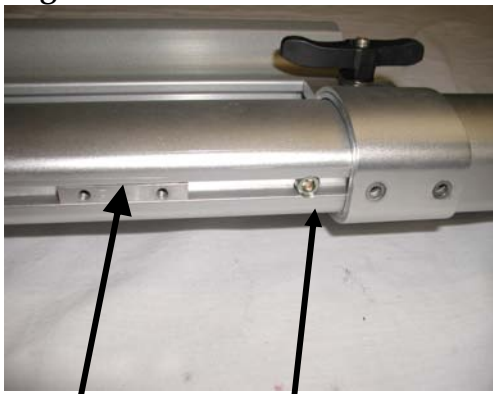


Fig 2



Stop Plate

Stop Bolt

Fig 3



Fig 4



Fig 5



Fig 6



Fig 7

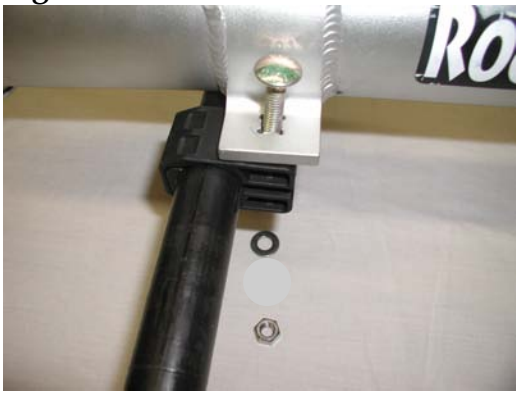


Fig 8



Fig 9



Fig 10



Fig 11



Fig 12



Fig 13

