



**Atoc Inc.**  
3615 132nd St SW, Ste C  
Lynnwood, WA 98087

(425) 745-2131  
www.Atoc.com

## TT-105 Supplementary Instructions

These instructions are to be used in combination with the standard Tandem Topper Owner's Manual. They provide additional information applicable to the TT-105.

**Load Bar Spacing:** Your Tandem Topper model TT-105 has been designed to have a ***minimum load bar spacing of 35 inches*** center-to-center. Do not position your load bars closer than 35 inches. Positioning your load bars farther apart will increase the Tandem Topper's stability.

**Installing Your Tandem Topper:** Before attaching your Tandem Topper to your load bars bolt the front beam and middle beam together ("A" joint) using the ¼ inch bolt and nut provided. Next, arrange the wheel straps and adjustable mounting bracket as desired. Your TT-105 comes with (3) wheel straps so you can use your Tandem Topper with a variety of bicycles without rearranging the wheels straps. Follow all other installation instructions in the owner's manual.

**Installing The Side Brace:** The side brace helps stabilize the rear end of your tandem. The lower end of the brace (the end with the gimbaled bracket) permanently attaches to your rear load bar (assuming that the front of your Tandem Topper faces the front of your car) and the upper end clamps to your bicycle. Atoc recommends clamping the upper end to a point at least ½ way back on your tandem and as high up as practical. A good place to attach the brace is one of the seat posts, stoker stem, end of the handle bars, or an upper frame tube. If you use a frame tube, note that the clamp may scuff the paint over time.

The lower clamp of your side brace should be at least 15 inches farther inboard than the upper clamp. For example, if you plan to attach the side brace's upper clamp to a point along the centerline of your bicycle then attach the lower clamp no closer to than 15 inches to the Tandem Topper beam. Similarly, if you plan to attach the upper clamp to a handlebar end then the lower clamp should be offset from the Tandem Topper beam by at least ½ the width of your handlebars + 15 inches.

Once your Tandem Topper is installed put your triple tandem on it. Use a ½ inch (13mm) wrench to attach the lower clamp to your load bar. Make sure you keep the plastic washer between the black clamp and the metal U bracket. Next, use a 5 mm hex wrench to loosen the locking collar at the telescopic joint so you can adjust the length of the side brace. Extend and rotate the side brace as necessary to attach the upper clamp to the chosen point on your bicycle. Finally, tighten the locking collar. Note that you can adjust the tension on the gimbaled pivots by simply tightening or loosening the pivot bolts.

**Using Your TT-105:** Use your TT-105 just as you would a standard Tandem Topper, except ***always connect the side brace to your tandem when carrying your triple tandem.*** You can also use the side brace with shorter bicycles but it is not necessary. Remember, your TT-105 comes with (3) wheel straps so you can carry virtually any bicycle without rearranging the straps.

**Stowing The Side Brace:** When you are not using the side brace it should be rotated down and secured to keep it from moving. This can be done by positioning the side brace so that the upper clamp is next to Tandem Topper beam, then looping one of the wheel straps through the clamp.

---

Enjoy using your Tandem Topper

If you have any questions or concerns please call Atoc Inc. at the number shown above.