

ATOC RACK GUIDELINES

When using Atoc / Topper Rack Products carriers and accessories, the user must understand the precautions. The points listed below will assist you in using the rack system and will encourage safety .

Please review the instructions and warranty carefully . Assembly and installation are the end user's responsibility and beyond Atoc's control. Therefore, Atoc exclusively limits its warranty to the repair or replacement of a defective Atoc product for up to one (1) year from the date of the original retail purchase. Damage to your vehicle, cargo, or to any person or property is excluded.

- For quality fits and safety , use only base racks (load bars and towers) recommended by the rack manufacturer for your vehicle. Do not assume a base rack will fit, always check the rack manufacturer's current fit guide when choosing a base rack for your vehicle. Using a base rack not recommended for your vehicle will void your warranty .
- Do not exceed the carrying capacity of your base rack. Base racks do not increase gutter or roof strength. Neither Atoc or the base rack manufacturer can warranty loads that exceed this limit. Total load equals cargo weight plus weight of accessories used to carry cargo.
- Always make sure car doors are open when mounting a roof rack system. Make sure all knobs, bolts, screws, straps, and locks are firmly attached, tightened and locked before every trip. Knobs, bolts, screws, straps, and locks must be periodically inspected for signs of wear , corrosion, and fatigue. Check your load at stops during the trip to ensure continued fastening security .
- Check local and state laws governing projection of objects beyond the width of a vehicle. Be aware of the width and height of your cargo since low clearance branches, bridges, and parking garages can af fect the load. All cargo will af fect the vehicle's driving behavior. . Never drive with any lock, knob or rack in an open or unlocked position. All long loads such as, but not limited to, sailboards, surfboards, kayaks, canoes, and lumber must be tied down front and rear to the bumpers or tow hooks of the vehicle.
- Remove your Atoc carrier and accessories when they are not in use and before entering automatic car washes. Do not attach Atoc carrier to base rack and vehicle combinations not listed in the base rack manufacturer's current fit guide.
- For safety to your vehicle and rack system, obey all posted speed limits and traf fic cautions. Adapt your speed to the conditions of the road and the load being carried.
- Do not use Atoc carriers and accessories for purposes other than those for which they were designed. Do not exceed their carrying capacity . Failure to follow these guidelines or the product's instructions will void the warranty.
- Consult with your Atoc dealer if you have any questions regarding the operations and limits of Atoc products. Review all instructions and warranty information carefully .

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TT24-1

TANDEM TOPPER™



Topper™

Rack Products

MADE IN U.S.A.

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- Any modification to bike dropouts can cause insufficient fork mount clamping pressure and may result in damage or loss of bike.
- Failure to properly install, adjust, use, and maintain the quick release mechanism on this carrier may result in damage to the vehicle and bike as well as serious personal injury .
- Do not stand in traf fic while loading or unloading bikes from carrier . Always load/unload bike before loading as these may be lost in transport.
- Remove all bags, panniers, pumps, child seats, and other detachable accessories from covers on Atoc/TRP bike carriers.
- Due to their wind resistance, it is not recommended to carry disk wheels or wheels with ATOC products a free from that ATOC dealer with proof of purchase in materials and workmanship. If Buyer discovers a covered defect, Buyer shall deliver the product to an authorized ATOC dealer with proof of purchase. ATOC will then issue an authorization to the dealer for the return of the product. If there is not a local ATOC dealer or the Buyer purchased the product directly from ATOC, then the Buyer may request to return the defective product directly to ATOC by first contacting ATOC at the address or telephone number set forth below (together with proof of purchase) for authorization. Unauthorized returns will not be accepted. Buyer is responsible for the cost of shipping the product to ATOC.
- Upon ATOC's examination and satisfaction of the defect, it will, at its option, repair or replace a defective product free of charge. This is the full extent of ATOC's liability under this Warranty and, upon expiration of the above time periods, all such warranties shall terminate.
- Product Warranty Exclusions: No warranty is given for normal wear and tear, unauthorized modifications or alterations, improper installation or maintenance, misuse, negligence, damage, or if its products are used for a purpose for which they were not intended. Specific ATOC products are excluded from warranty. If no warranty is given for defects caused by (i) accidents, unlawful vehicle operation, or defects/inconsistencies in the vehicle upon which the product is installed; and (ii) the user's failure to properly secure cargo as recommended by ATOC. This Warranty gives Buyer specific legal rights, and Buyer may also have other rights that may vary from state to state. Except as expressly stated in this Warranty, ATOC shall not be liable for direct, indirect, incidental, or other types of damages arising out of, or resulting from the use of its Product. This Warranty is in lieu of all other warranties, express or implied, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose. (Some states do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on the duration of an implied warranty, so the above exclusions may not apply to Buyer.)

COMPATIBILITIES / RESTRICTIONS

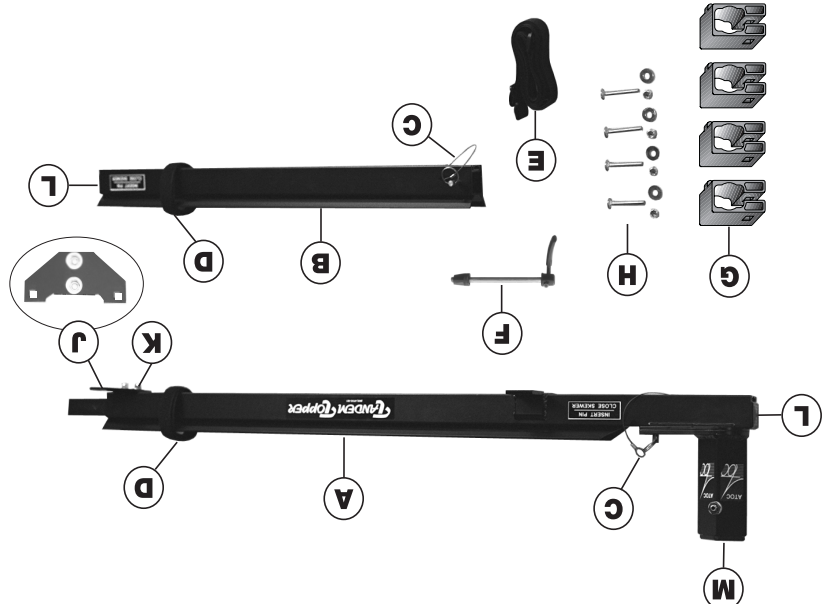
- Bike must come equipped with a quick release front skewer .
- Measure the dimensions of your bike's front fork dropouts. Not compatible with fork dropouts less than 4 mm thick. Dropouts must be 100 mm apart.
- Not all bike forks are compatible with Atoc / Topper Rack Products carriers and accessories. If your fork has a unique feature or design that prevents your using the carrier in accordance with these instructions, do not use the carrier .
- The Tandem Topper must be the outer most carrier on your roof.
- Due to their wind resistance, it is not recommended to carry disk wheels or wheels with covers on Atoc/TRP bike carriers.
- Remove all bags, panniers, pumps, child seats, and other detachable accessories from bike before loading as these may be lost in transport.
- Do not stand in traf fic while loading or unloading bikes from carrier . Always load/unload bike before loading as these may be lost in transport.
- Any modification to bike dropouts can cause insufficient fork mount clamping pressure and may result in damage or loss of bike.

HELPFUL HINTS

- If you are having difficulty inserting the pivot pin: A) Make sure the swivel plates are lined up by squeezing them together from the sides. B) Make sure the handlebar strap is installed symmetrically . C) Check to be sure the holes do not have any road grit in them. If necessary , clean the holes with a cotton swab. Lubricate the pivot pin by rubbing it with candle wax. Do not use oil or grease as these will attract more grit.
- If your vehicle is a minivan with a side cargo door position the carrier so that the fork mount is over the cargo door . Open the cargo door when loading your tandem . This should eliminate side clearance problems, plus you can step up on the door sill to help reach the fork mount.
- If your tandem's chain rings contact the side of your vehicle during loading/unloading: A) Experiment with the position of the carrier on your vehicle's roof. Try moving the carrier forward or back on the roof. The carrier should be as far outboard as possible (straddling the base rack towers) without being completely outboard of the towers. You can install the carrier facing either forward or backward on your vehicle. B) If the chain rings are contacting a side window , roll down the window . You can also open the door and load/unload from between the vehicle body and door .
- The pivot pin and tail pin assemblies are identical. If you permanently installed the tail beam extension by positioning the rear bracket on the tail beam, you can replace the tail pin with a 1/4-20 x 2 bolt and nylok nut. Remove the tail pin assembly and save it as a spare for the pivot pin.

Part	Description	Qty
A	Front Beam	1
B	Tail Beam Extension	1
C	Pivot / Tail Pin Assembly	2
D	Wheel Strap Assembly	2
E	Handlebar Strap	1
F	Skewer	1
G	Mounting Clamp	4
H	Mounting Clamp Bolt Set (5/16-18 x 2 1/4 carriage bolt, nylok nut, washer)	4
J	Rear Bracket	1
K	Rear Bracket Bolt Set (5/16-18 x 3/4 carriage bolt, nylok nut, washer)	2
L	End Cap	2
M	Top Cap	1

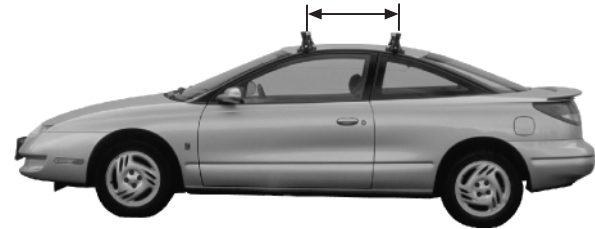
SEE ADDENDUM



PARTS INCLUDED

INSTALLATION REQUIREMENTS

22" (56cm) minimum



! You must have at LEAST a 22" (56cm) barspread

TOOLS

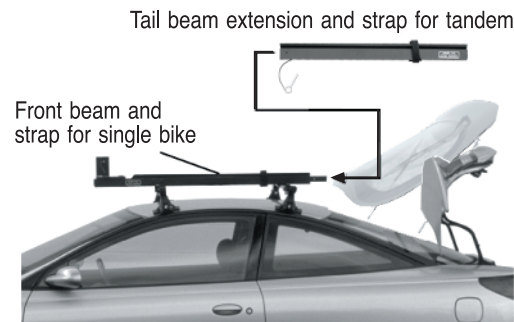


1/2" (13mm) wrench required for installation

1

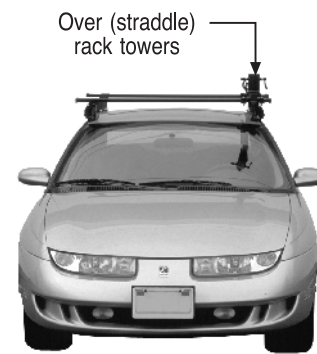
INSTALLING TANDEM CARRIER

Carrier may be installed with or without tail beam permanently installed (see Step 1B)



• Hatchbacks or high trunk lids may require removal of tail beam to fully open hatchback

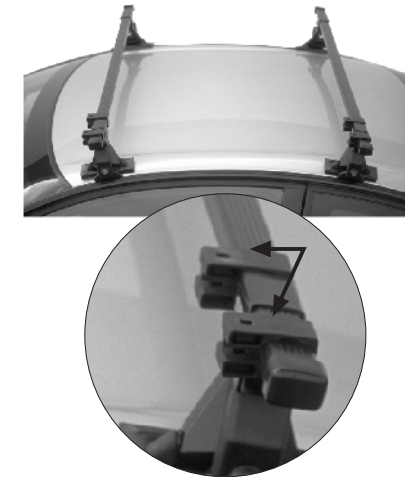
Preferred carrier positioning



! NEVER mount completely outboard of rack towers

A

Snap two mounting clamps on each load bar



B

Loosen nuts to adjust rear bracket

?

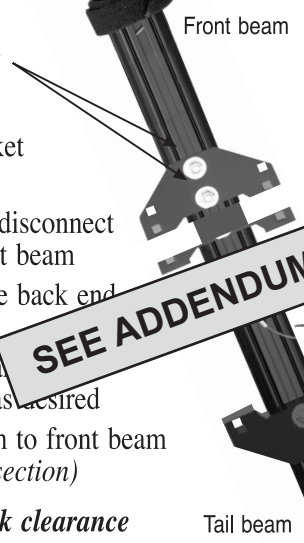
What if I want to position the rear bracket on the tail beam?

- Remove tail pin & disconnect tail beam from front beam
- Slide bracket off the back end of front beam
- Rearrange bracket & strap on tail beam as desired
- Reconnect tail beam to front beam (see Helpful Hints section)

!

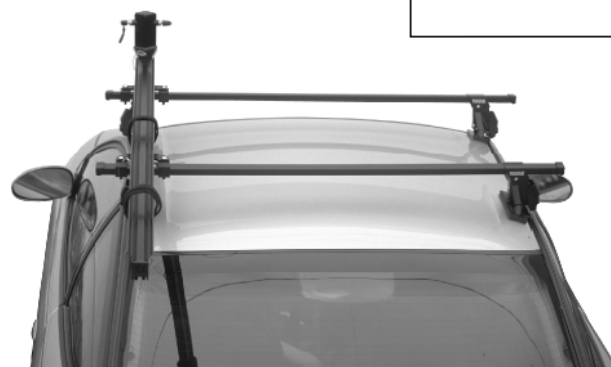
Check your hatch/trunk clearance

SEE ADDENDUM



C

Position carrier over mounting clamps



D

Assemble carriage bolt, washer & nut as shown

E

Tighten all six (6) nuts firmly:

- 4 mounting clamp bolts
- 2 rear bracket bolts

2

OPERATION

A

Pull pivot pin and rotate pillar 90°



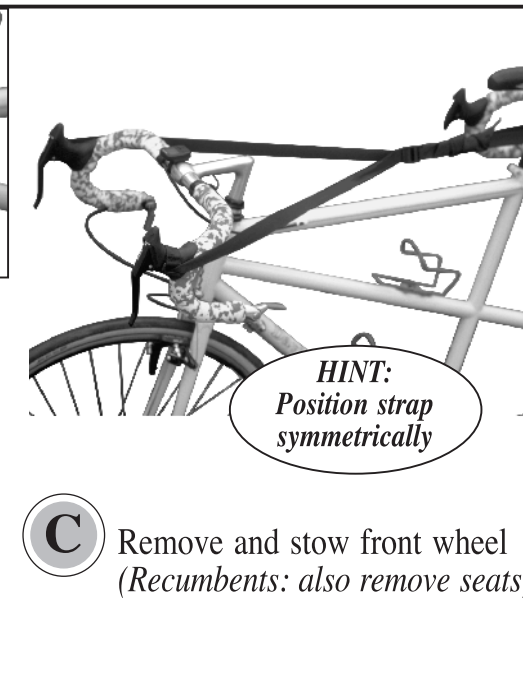
B

Install handle bar strap:

- Place loops over handle bars as shown
- Thread long leg of strap through buckle and place loop over seat post as shown
- Pull strap snug and secure loose end



Road (preferred)

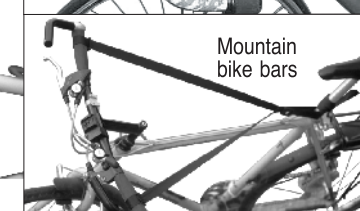


C

Remove and stow front wheel (Recumbents: also remove seats)

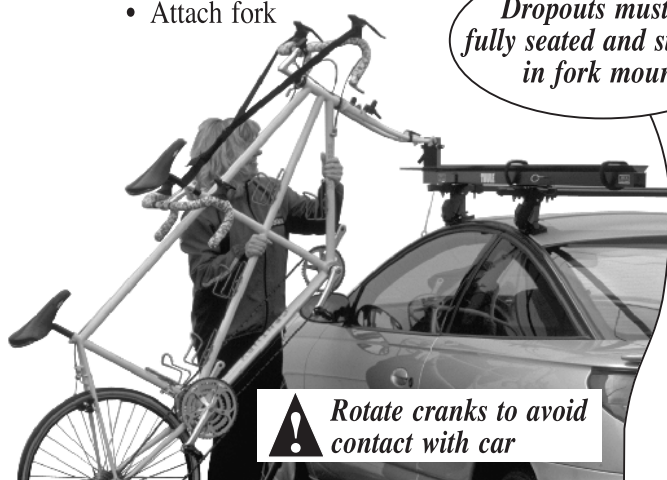
HINT: Position strap symmetrically

OTHER BAR STYLES



D

- Lift tandem into vertical position
- Roll tandem to car
- Attach fork



Dropouts must be fully seated and straight in fork mount

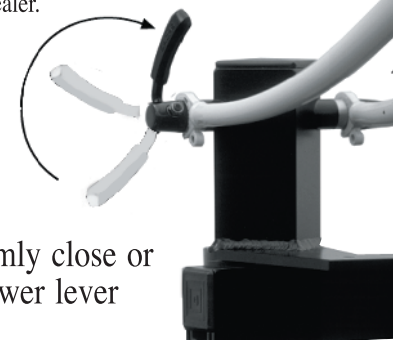
! Rotate cranks to avoid contact with car

!

CAUTION! Failure to use the skewer properly will result in the loss of your bicycle! A properly adjusted skewer requires firm hand pressure to close. A rule of thumb is to close the skewer with the palm or heel of your hand. The skewer should leave a distinct impression on your hand. Do not tighten the skewer by using the lever as a wing nut. If there is any question as to the proper use of the skewer, please consult your local dealer.

E

Firmly close or skewer lever



F

Lift and place rear wheel into tray



HINT: Grasp chainstay with both hands

! Do not lift from wheel

G

Wrap wheel strap

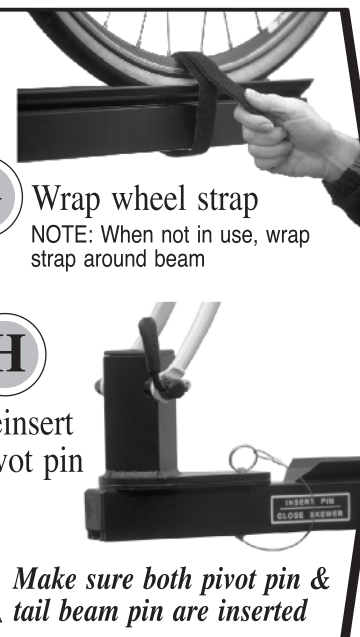
NOTE: When not in use, wrap strap around beam

H

Reinsert pivot pin

!

Make sure both pivot pin & tail beam pin are inserted



3

SINGLE BIKE USE

A

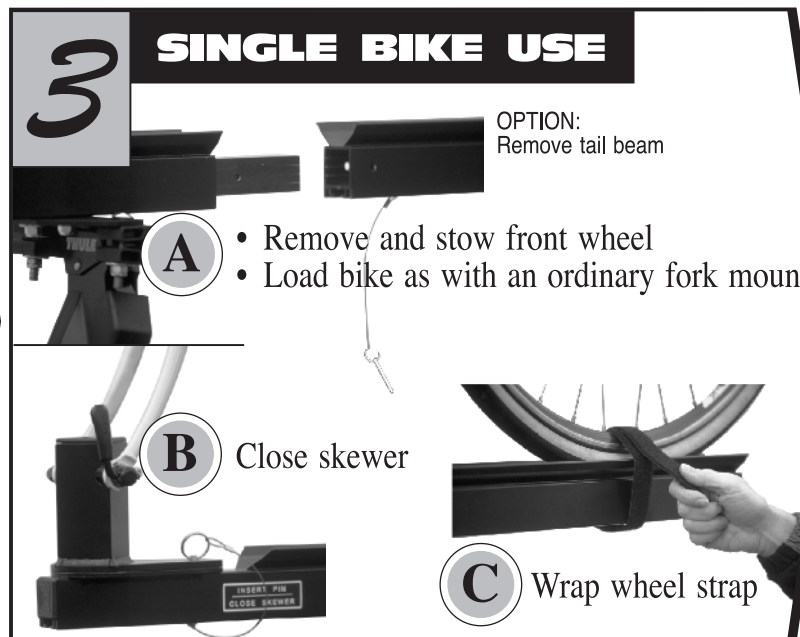
- Remove and stow front wheel
- Load bike as with an ordinary fork mount

B

Close skewer

C

Wrap wheel strap



OPTION: Remove tail beam

Installation with *New Improved* brackets

Compatible with wide load bar towers

(These brackets replace those shown in step 1 of main instructions)

- (A) Check load bar spacing. The bars must be at least 22 inches apart.
- (B) Attach 1st bracket to mounting tabs on carrier using 2 short bolts, washers, and nuts. Tighten nuts firmly.
- (C) Attach 2nd bracket to carrier using 1 short bolt, washer, and nut by sliding the bolt head in the slot on bottom of carrier. Loosely tighten nut so that bracket position can be adjusted.
- (D) Place the mounting clamps on the load bars so that the carrier will straddle the load bar towers. Attach carrier using the long bolts, washers, and nuts. The adjustable bracket **must not overlap** the joint between the carrier's main and tail beams. The adjustable bracket may be positioned under the tail beam if desired.
- (E) Tighten all nuts firmly.

