

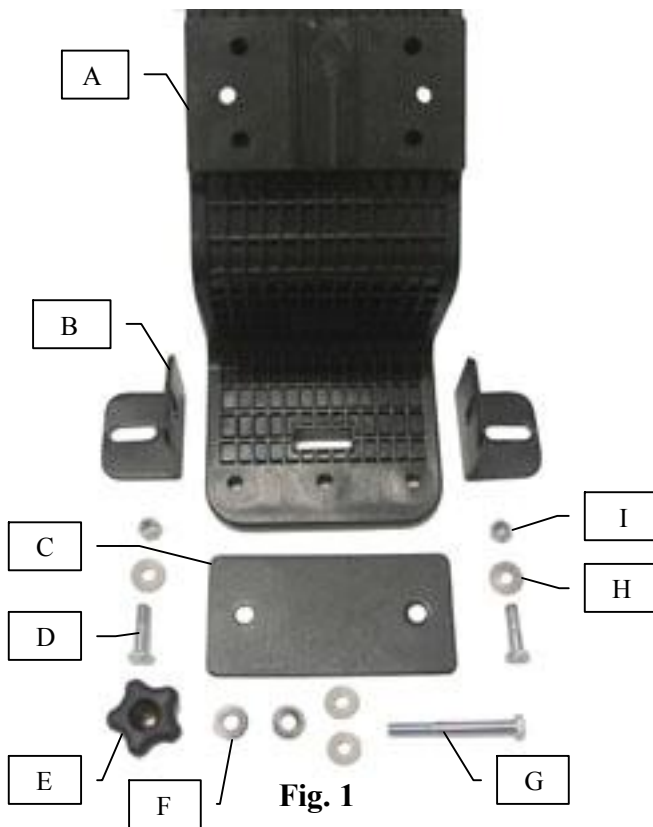


Supplemental Instructions for mounting Malone Canoe and Kayak Carriers onto U.S. Rack Products

Malone Auto Racks can mount to U.S. Rack Products that have 1-1/2, 1-3/4, or 2-inch horizontal bars. Check the parts you receive against the inventory below. If you are missing parts contact U.S. Rack immediately at 888-877-2257.

DO NOT BEGIN TO INSTALL THIS PRODUCT UNTIL YOU HAVE FIRST REVIEWED ALL INSTRUCTIONS, PHOTOS, AND WARNINGS.

INVENTORY



This photo shows mounting parts for the Malone Auto Loader, but **these instructions apply equally to any Malone Canoe or Kayak carrier** fitted to a U.S. Rack product having a 1.5, 1.75, or 2-inch wide spanner (cross-bar).

Each carrier should include the following items:

- A. Carrier Body of Malone Auto Loader (2)
- B. Angle Bracket (4)
- C. Backing Plate (2)
- D. 5/16-18 x 1.25" hex screw (4)
- E. Star Knob (2)
- F. 5/16" nylon washers (4)
- G. 5-16/18 x 3" hex screw (2)
- H. 5/16" metal washers (8)
- I. 5/16-18 nylon lock nuts (4)

ASSEMBLY

- 1. Measure your cross-bar.** Since this product can be attached to 1.5-inch, 1.75-inch, or 2-inch square crossbars, first determine where exactly you want to mount the Carrier Body and measure the cross section of the crossbar at that location.
- 2. Examine the Carrier Body (A) and Angle Brackets (B).** Notice that there are two holes in the bottom of the Carrier Body (A) that are 4.25 inches apart. These holes may be threaded or not, depending upon the style of carrier. If the holes are not threaded the hole passes all the way through the body and the top of the hole is shaped as a hexagon. If the hole has a hexagonal shape, the screws will be inserted from the top to correspond with the shape of the hexagonal head. If the hole is threaded the same screws will be inserted from the bottom. Also examine the Angle Brackets (B) and notice that one side of the Angle is longer than the other.

3. **Attach the Backing Place (C) and Angle Brackets.** Turn the Carrier Body so that the bottom is up. Place the Backing Place (C) over the bottom of the Carrier Body so that the holes in the plate align with the holes in the Body. Next place one of the slotted holes of each Angle Bracket over each hole and connect with a 1.25" screw. If you intend to install the Carrier at a location where the cross section of the bar measures 1.5", orient the Angle Bracket so that the shorter legs are vertical and the longer legs are horizontal. If the bar measures more than 1.5", orient the Angle Brackets so that the longer legs are vertical and the shorter legs are horizontal. If the holes in the Carrier Body are both unthreaded, insert each screw so that the head goes into the hexagonal hole. Each screw should pass through the Carrier Body, through the Backing Plate, and then through the Angle Bracket. Place a metal washer over the end of each screw and then thread a nylon lock nut onto the end of the screw. Tighten each screw until it is tight enough to hold the parts flat against the body, but loose enough to allow the Angle brackets to move back and forth as shown in Fig. 2. If the holes in the Carrier Body are both threaded, place a metal washer on each screw and insert so that each screw passes through the Angle Bracket, Backing plate and then into the threaded hole in the Carrier Body. Tighten each screw until it is tight enough to hold the parts flat against the body, but loose enough to allow the Angle brackets to move back and forth as shown in Fig. 3.



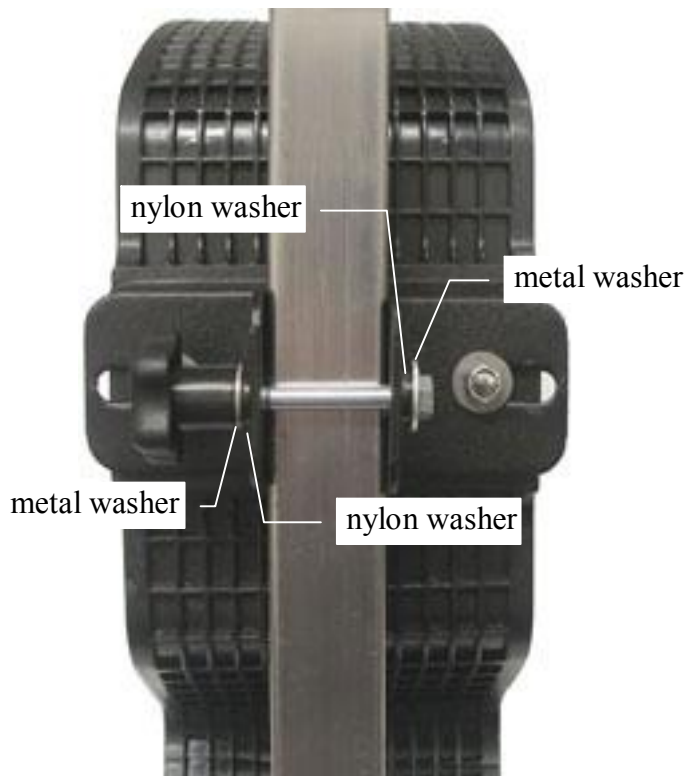
Fig. 2



Fig. 3

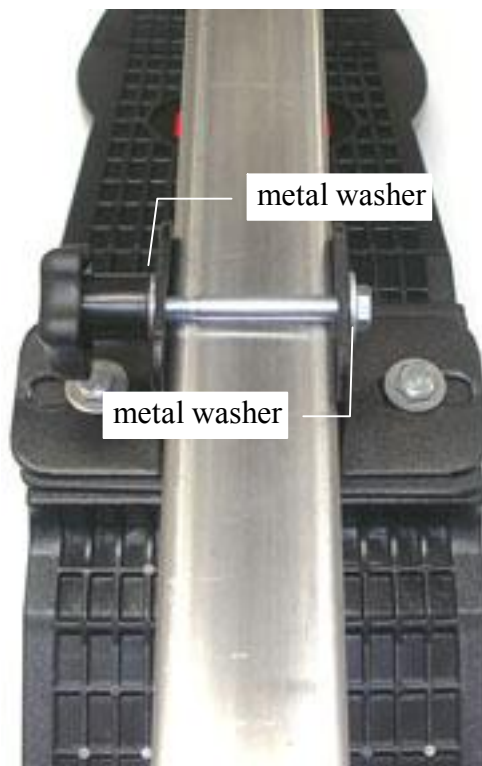
INSTALLATION

4. Place the carrier body on the crossbar so that the sides of the Angle Bracket hang down on either side. Notice that a portion of the slot in each Angle Bracket hangs down past the bottom of the crossbar. If the cross section of the bar is 1.5" place a metal washer on the head of a 3" screw then place a nylon washer on the screw. Insert the screw through the slot in one Angle Bracket, under the bar, and through the slot in the other Bracket. Place another nylon washer on the screw and then another metal washer. Finally, thread a Star Knob onto the end of the screw and tighten as shown in Fig. 4. If the cross section of the bar is 1.75" or 2", place a metal washer on the head of a 3" screw. Insert the screw through the slot in one Angle Bracket, under the bar, and through the slot in the other Bracket. Place another metal washer on the screw. Finally, thread a Star Knob onto the end of the screw and tighten as shown in Figs. 5 and 6.



1.5" CROSSBAR

Fig. 4



1.75" or 2" CROSSBAR

Fig. 5

After the Carrier Body is attached to the crossbar tighten all threaded parts firmly enough so that the Carrier Body does not twist or slide but not so firmly that any parts are stripped, broken or bent. **Check tightness frequently to ensure that parts do not vibrate loose.**



Fig. 6

BE SAFE: Before use confirm the watercraft is well secured to the carrier, that the carrier is well secured to the rack, and that rack is well secured to the truck.

WARNING: All cargo transportation is potentially hazardous. Any person using MALONE products is personally responsible for following the directions for installation and for use of the products and accepts full and complete responsibility for any and all damages or injuries of any kind including death, which may result from their use. If you are unwilling to accept this responsibility, do not install this product; return it immediately to the seller for refund.