

INSTRUCTION SHEET

IRIS TRANSIT BRACKET KIT INSTALLATION

FOR CHAIRS WITH DUAL POST FLIP BACK ARMRESTS

Failure to carefully read, understand and follow these instructions could result in severe injuries or death. Please read and understand these instructions before beginning the installation. Before beginning the installation, make sure that all the parts are included. Below is an illustration showing what should be included in the Iris Transit Bracket Kit.



Figure 1: Front brackets
(2 included)



Figure 2: Rear brackets
(2 included)



Figure 3: Required bolts,
washers, and nuts.

The required tools to install the Iris Transit Bracket Kit are listed below

- 1. 7/16" Socket & Ratchet***
- 2. 5/32" Allan Wrench***
- 3. 3/16" Allan Wrench***
- 4. Torque Wrench***

To Install the Front Transit Bracket

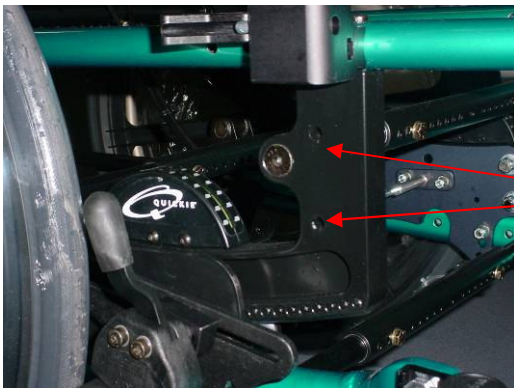
- 1. Please position the wheelchair back in the "home" position before continuing. To install the front transit brackets, there is no previous hardware that needs to be removed.***

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2. Locate the two (2) holes that are placed just in front of the angle measurement gauge (Figure 4).



Two (2) holes
located just in
front of angle
gage

Figure 4: Two (2) holes located in front of the angle measurement gauge

3. Take the 1/4-28 x 1-3/4" BH C/S, which is pictured below (figure 5) and place the washer that was included in the kit, on it (figure 6). All the washers included in the kit are the same size. Do this same process again on another bolt, as two (2) of these will be needed when mounting the front wheel mount and front transit bracket.



Figure 5: Bolt for front bracket mount



Figure 6: Bolt and washer

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4. Take the front transit bracket and insert the two (2) bolt and washer sets. Insert the bolt and washer sets such that when the front bracket will be placed against the wheelchair, the bracket “bends” outward, away from the wheelchair. Pass the bolts through the two (2) holes that were located in step 2. See figures 7 and 8 for more details.



Figure 7: Bolt and washer sets placed on front bracket



Figure 8: Orientation of front bracket relative to wheelchair

5. Once the bolts have passed through the two (2) holes, place one (1) washer on each bolt (figure 9). After the washers have been placed on the bolts, place one (1), standard 1/4-28 Nylock Nut on each bolt (figure 10). Tighten using the 7/16” socket and ratchet and also the 5/32” allen wrench. **DO NOT TIGHTEN ALL THE WAY.** Using a torque wrench, tighten the front transit bracket to 8-9 ft-lbs of torque.

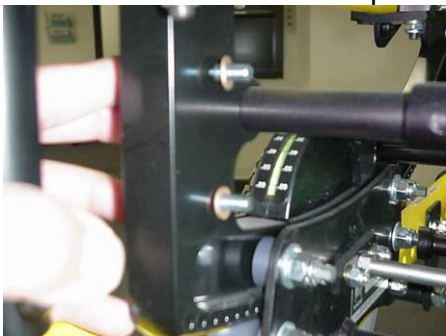


Figure 9: Placing a washer



Figure 10: Attaching a 1/4-28 Nylock Nut

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6. Finally, located in the kit will be four (4) stickers that have a picture of a carabiner on them. Place one (1) of these stickers on the front transit kit as can be seen in figure 8.
7. Repeat steps 2 through 6 again to attach the other front transit bracket.

To Install the Rear Transit Bracket

1. Working on the rear, install the transit mounts one side at a time. If the armrests are removable, remove them prior to removing any hardware. The installation process can still be completed if the armrests are not removable. In order to remove the bolts, the 5/32" Allen wrench is inserted into the bolt head and is used to keep the bolt from turning, while at the same time, using the 7/16" socket and ratchet, loosen the nut. Remove the bolt, four (4) washers and nuts, save all hardware. Do this for both bolts. Although the bolts will not be used in the mounting of the transit brackets, they should be kept in a safe place, in case the transit brackets will be removed.
2. With the bolts, washers and nuts now removed, all that should be left are the saddles, vertical support plates and the armrest holder. The saddles will not fall out. This is part of our patent on this product. Save all hardware.
3. Next, take one 1/4-28 x 2-1/2" & one 3" BH C/S bolt, (figure 11 & 3) and place one of the saved washers from the first step, on each bolt.



Figure 11: Bolt for rear mount

4. Place the two (2) bolt and washer assemblies from step 3 into the two (2) holes. Once the bolt and washer assemblies have passed through the two holes and located on the other side of the frame, the rear transit bracket must be placed upon the bolts. Although the rear transit bracket has three (3) holes located on it, only the two (2) that are located on furthest from each other will be used. Essentially, the hole in the middle is not used in this case.

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5. With the rear transit bracket in place, place one (1) washer and one (1) 1/4-28 Nylock Nut on each bolt (figure 12 & 13). Using the 5/32" allen wrench and 7/16" socket and ratchet, tighten the assembly. **DO NOT TIGHTEN ALL THE WAY.** Using a torque wrench, tighten the rear transit bracket to 8-9 ft-lbs of torque.

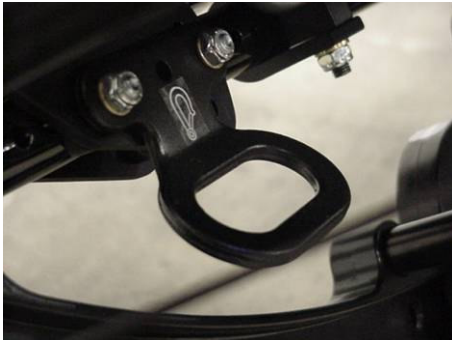


Figure 12: Rear bracket orientation



Figure 13: Rear bracket

6. Place one of the stickers with a picture of a carabiner on the rear transit bracket as seen in figure 12.
7. Do steps 1-6 again for the other rear transit bracket.

Please note that while in ANY form of transportation, have the seat in "home position." Home position refers to the seat being flush with the frame of the wheelchair. With the seat in the tilted position, any amount of abrupt braking might result in severe injury or even death.