

## OPERATING INSTRUCTIONS FOR EVO Tilt-Carrier Model 230LH

### TILTING OPERATION

**STEP 1**



Pull Pin out to release End Bar and Loading Deck, then rotate End Bar down.

**STEP 2**



Pull Loading Deck out.

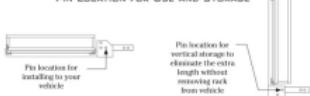
**STEP 3**



▲ Tilt Carrier down and ready to load your Scooter or Wheelchair.

Make sure to secure your Scooter or Wheelchair to the Carrier using Tie-Downs.

### PIN LOCATION FOR USE AND STORAGE



Pin location for use and storage. To eliminate the extra length without exceeding rack board height.

### OPTIONAL SECOND LIGHT MANGERI

Your Carrier also comes with an additional Hanger Adapter. This would allow you to have a second light if you were displaying your license plate. If you intend to use the second Hanger Adapter, refer to the one that is already attached to the Carrier Unit. You will need a drill and Phillips screwdriver and your 3/8" socket and ratchet or your 3/8" wrench.

**STEP 1**



Place the Connection Block on the Mainframe Assembly by locating the 2 sets of holes to each other (white arrow). You will know which end of the Mainframe has the two holes.

**STEP 2**



The 15/16" bolt comes with one lock washer and two regular washers. Remove the nut and one washer and place one 15/16" bolt into each of the two holes. The nut on the remaining washer and nut.

**STEP 3**



Tighten both bolts using your wrenches or socket wrench. These should be tightened very tight as your carrier is quiet.

**STEP 4**



With the Carrier Unit tilted upside down, place the Mainframe on it by aligning the two Hitch-Pin Hinges (white arrows). Be sure to align it with the Carrier Unit on the OPPOSITE side of the Spring Handle (black arrow).

**STEP 5**



Make sure that the Hinges are aligned, and insert a straight Hitch-Pin (white arrow) with the hole (white arrow) is inserted through the Hinge from the inside of the carrier (black arrow).

**STEP 6**



Place the Pin in the hole of the Hitch-Pin that now protrudes out of the Hinge (white arrow).

**STEP 7**



Place the Pin in the hole of the Hitch-Pin that now protrudes out of the Hinge (white arrow).

### END BAR OPERATION



To secure the End Bar during use, rotate it into the upright position as shown.



Align the small hole in the End Bar (white arrow) to the small hole in the Carrier Unit frame.



Using the Pin attached to the chain, insert one into the hole on each side of the Carrier. Please note that it is a tight fitting.

To release the End Bar, simply remove the Pin and rotate the End Bar down.

### HERE'S WHAT YOU RECEIVED:

- (1) Carrier Deck
- (1) Mainframe
- (1) Hitch-Pin
- (2) Straight Hitch-Pins
- (2) Spring Pins
- (1) Connection Block
- (1) Hitch Bar
- (1) Level Control Arm
- (1) License Hanger
- (1) Hanger Adapter

### EVO Tilt-Carrier Model 230LH

### HERE'S WHAT YOU'LL NEED:

- Hitch or Wire cutters
- 1/2" SAE Wrench
- 1/2" Drive Ratchet
- 1/2" Extension
- 1/2" SAE Wrench
- 1/4" Drive Ratchet
- 1/4" Extension
- 3/8" Wrench

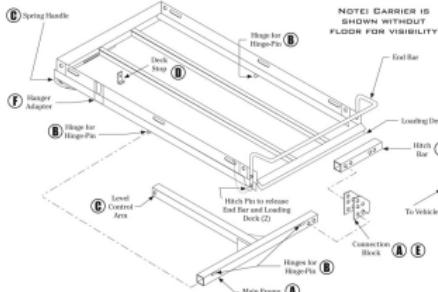
### IMPORTANT NOTE!

Although our carriers can be assembled by one person, we highly recommend that you have a helper.

### BEFORE YOU BEGIN ASSEMBLY!

Please be familiarize yourself with the parts and drawing below so your Carrier is easily assembled. We have included references (A, B, C, D, E, F) in the drawing that correspond to the Step-by-Step Instructions on the next page. This will help you identify the parts and drawings as you assemble your carrier. It is important to remember that the parts of your Carrier are designed to fit very snugly together so that your Carrier is as noiseless as possible.

When shipped, your Carrier comes with two small black plastic pieces holding Pins/Chains in place for shipping. You can unwrap the Pin and Chain from the plastic piece and discard it. The instructions will reference where the Pin will be located.



### Hitch Bar Instruction Instructions.

With the Hitch Bar attached to the Tilt Carrier to a vehicle, the Hitch Bar is to be inserted as far as possible into the tow bar hitch 50 mm square fitting hole, to use the 5/8 inch hitch bolt, and/or the 1/2 inch pinch bolts, or both of them. [WARNIN G: Under no circumstances is the front-forward 5/8 inch hole of the Hitch Bar to be used on its own, as it is a 5/8 inch hitch bolt, but only the rear-most hole in the tow bar hitch 50 mm square fitting.

**STEP 1**



With the Carrier Unit still upside down, locate the small hole in the end of the Loading Deck (white arrow). The Deck Stop will be attached here using the 3/8" Bolt provided.

**STEP 14**



Remove the nut and one washer from the bolt and insert it through the Deck Stop and frame of the Loading Deck.

**STEP 15**



Place the remaining washer on the bolt that is sticking out of the Loading Deck frame.

**STEP 16**



Place the remaining nut on the bolt. This piece will prevent the Loading Deck from being extended too far from the Carrier Unit.

**STEP 17**



Tighten the bolt and nut using your small wrench and/or socket wrench.

**STEP 18**



Turn the Carrier Unit and Mainframe assembly right-side-up. Now place the Hitch Bar into the Connection Block by slipping the two sets of holes (white arrows).

**STEP 24**



Pull the pin to the center on the front of the Hanger and place the Carrier Unit near the Spring Handle. If you are displaying your license plate on the carrier, use the License Hanger Adapter (not included) just as you did when you were just a light on the carrier; use the Light Hanger.

The Hitch Bar should fit snuggly so that your Carrier is quiet. When using your carrier will place the best Hitch-Pin (white arrow) in the front-most hole (black arrow) during use and the upper hole (white arrow) when the stored position.

Insert your remaining 15/16" bolt, lock washer and regular washer into the corner hole (white arrow). Place the remaining washer on the end that protrudes from the Carrier Unit.

With the remaining nut, place it on the end of the bolt with you just placed the washer.

Tighten the bolt using your large wrench and/or socket wrench.

Locate your License Light Hanger and the Hanger Adapter. Place the Carrier Unit near the Spring Handle. If you are displaying your license plate on the carrier, use the License Hanger Adapter (not included) just as you did when you were just a light on the carrier; use the Light Hanger.