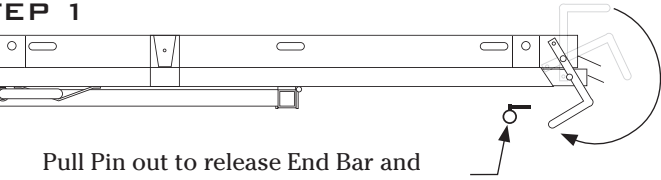


OPERATING INSTRUCTIONS FOR TILT-A-RACK®  
MODELS 350ARV, 350ARV MINI, 500ARV, 500ARV PLUS.

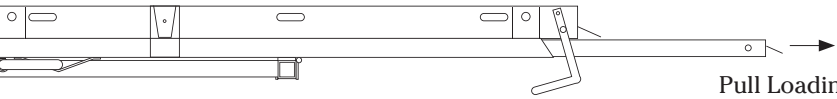
TILTING OPERATION

STEP 1



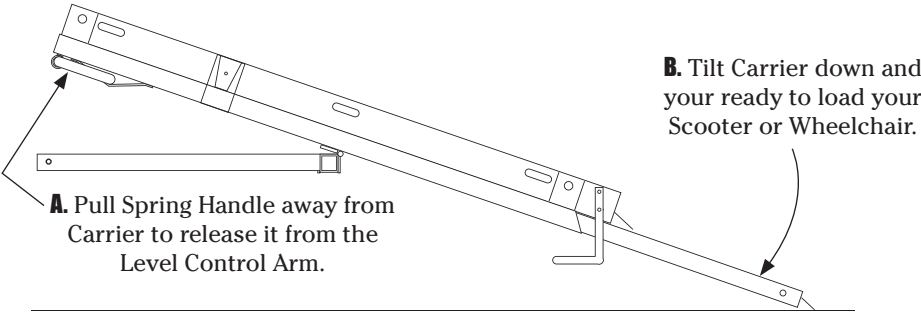
Pull Pin out to release End Bar and Loading Deck, then rotate End Bar down

STEP 2



Pull Loading Deck out

STEP 3

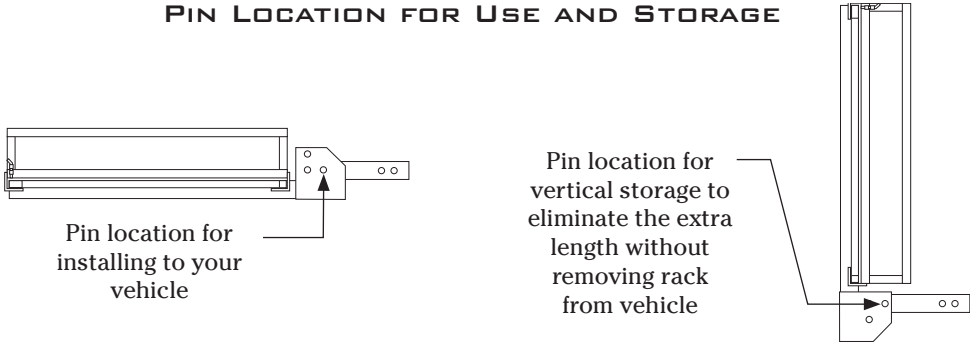


**B.** Tilt Carrier down and your ready to load your Scooter or Wheelchair.

**A.** Pull Spring Handle away from Carrier to release it from the Level Control Arm.

Make sure to secure your Scooter or Wheelchair to the Carrier using Tie-Downs. These are available at [www.tiltarackmobility.com](http://www.tiltarackmobility.com) or call 1-866-777-9727.

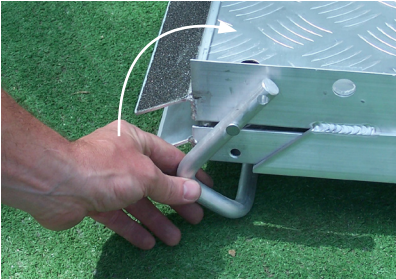
PIN LOCATION FOR USE AND STORAGE



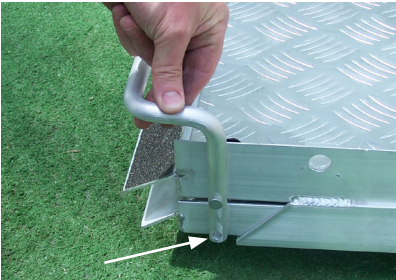
Pin location for installing to your vehicle

Pin location for vertical storage to eliminate the extra length without removing rack from vehicle

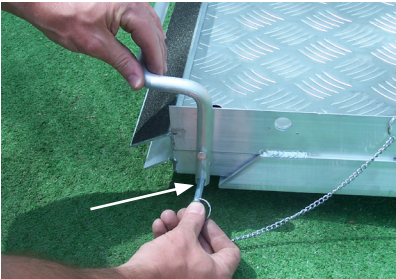
END BAR OPERATION



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

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

OPTIONAL SECOND LIGHT HANGER:

Your Carrier also came 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.

IF YOU HAVE QUESTIONS REGARDING THE ASSEMBLY OF THIS UNIT, OR HAVE MISSING PARTS, PLEASE CALL 1-866-777-9727.

**Tilt-a-Rack® Mobility also carries a wide selection of accessories for your new carrier!**  
Custom tie-downs, covers, hitch adapters, Bogie Wheels, and more, we've got what you need to **LOAD and GO!**  
Go to [www.tiltarackmobility.com](http://www.tiltarackmobility.com) or call 1-866-777-9727 for more information.

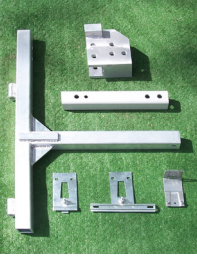
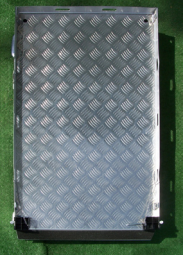


TILT-A-RACK® MOBILITY

ASSEMBLY INSTRUCTIONS FOR TILT-A-RACK®  
MODELS 350ARV, 350ARV MINI, 500ARV, 500ARV PLUS.

HERE'S WHAT YOU RECEIVED:

- |                         |                      |
|-------------------------|----------------------|
| (3) 15/16" Bolts/Nuts   | (1) Carrier Deck     |
| (1) Deck Stop           | (1) Mainframe        |
| (1) 5/8" Bent Hitch-Pin | (1) Connection Block |
| (2) Straight Hitch-Pins | (1) Hitch Bar        |
| (3) Spring Pins         | (1) Light Hanger     |
|                         | (1) License Hanger   |
|                         | (1) Hanger Adapter   |



HERE'S WHAT YOU'LL NEED:

- Pliers or Wire cutters (to open box)  
1/2" Drive Ratchet  
15/16" Socket  
15/16" Wrench  
1/4" Drive Ratchet  
3/8" Socket  
3/8" Wrench



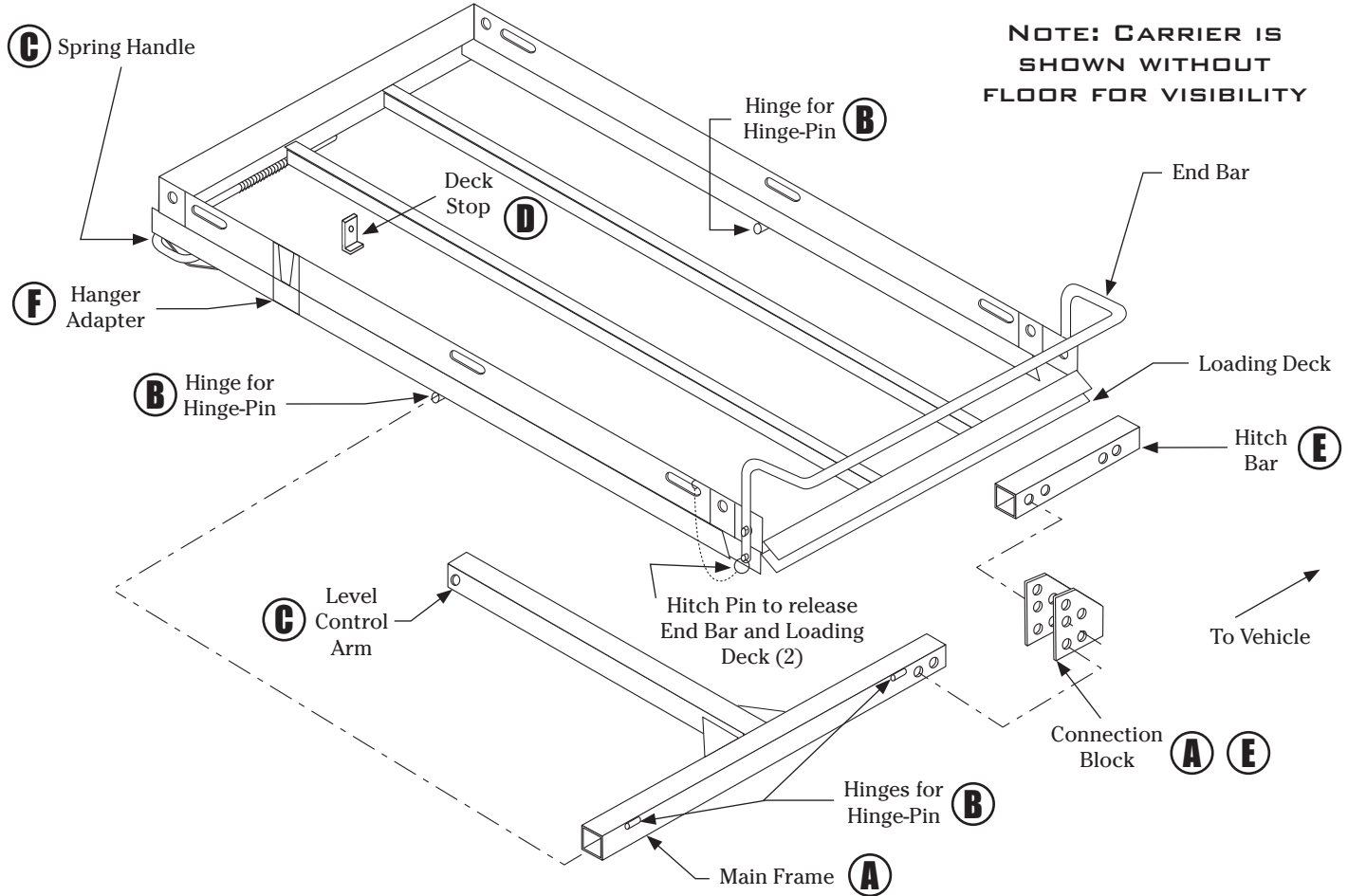
IMPORTANT NOTE:

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

BEFORE YOU BEGIN ASSEMBLY:

Be sure to 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 to know what area of the Carrier you are working on and what parts you will need. Please keep in mind that the parts of your Carrier are designed to fit very snugly together so that your Carrier is as noise-free as possible.

When shipped, your Carrier came with two small black plastic pieces holding Pin/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.

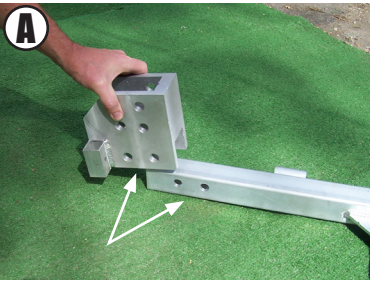


IF YOU HAVE QUESTIONS REGARDING THE ASSEMBLY OF THIS UNIT, OR HAVE MISSING PARTS, PLEASE CALL 1-866-777-9727.

**Tilt-a-Rack® Mobility also carries a wide selection of accessories for your new carrier!**  
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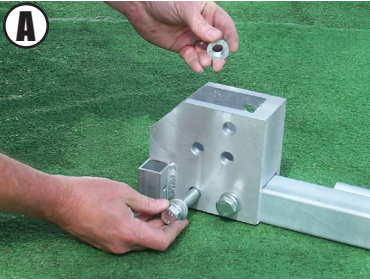


STEP 1



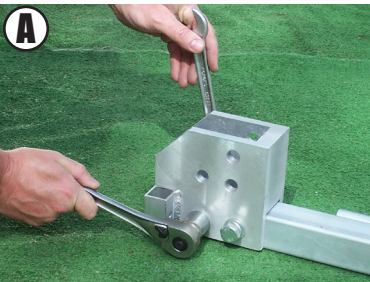
Place the Connection Block on the Mainframe Assembly by locating the 2 sets of holes to each other (white arrows). You will know which end of the Mainframe by the two holes.

STEP 2



The 15/16 bolts come 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 put on the remaining washer and nut.

STEP 3



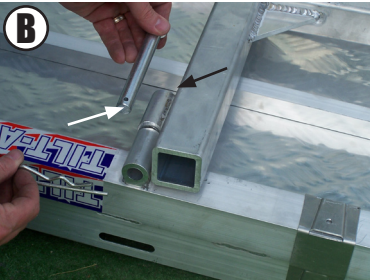
Tighten both bolts using your wrenches and/or socket wrench. These should be tightened very tight so your carrier is quiet.

STEP 4



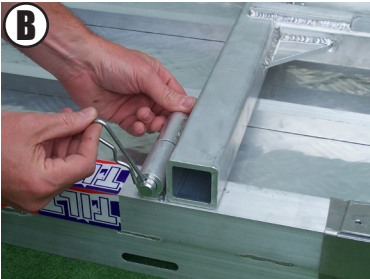
With the Carrier Unit turned upside down, place the Mainframe on it by aligning the two Hitch-Pin Hinges (white arrows). Be sure to align it with the Connection Block on the OPPOSITE side of the Spring Handle (black arrow).

STEP 5



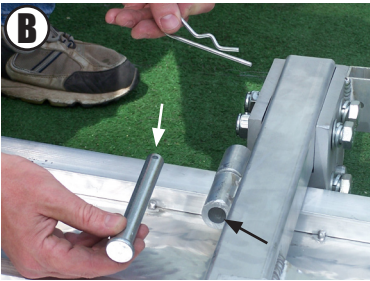
Make sure that the Hinges are aligned, and insert a straight Hitch-Pin so that the end with the hole (white arrow) is inserted through the Hinge from the inside of the carrier (black arrow).

STEP 6



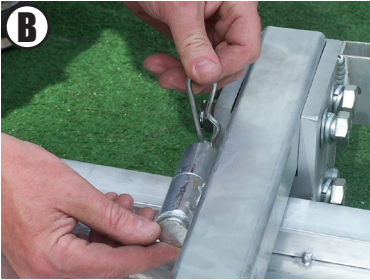
Place the Pin in the hole of the Hitch-Pin that now protrudes out of the Hinge (white arrow).

STEP 7



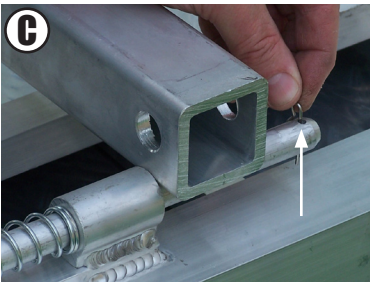
Repeat Step 5 by inserting the remaining straight Hitch-Pin (white arrow) through the hinges (black arrow) on the other end of the Mainframe.

STEP 8



Repeat Step 6 by inserting a Pin in the hole on the Hitch-Pin that now protrudes out of the Hinge

STEP 9



Locate the Pin on the end of the Spring Handle (white arrow) and remove it by pulling it out of the Spring Handle.

STEP 10



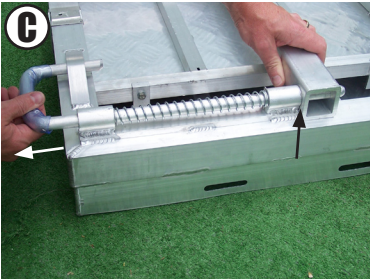
Pull the spring in the direction shown (white arrow) and you will see another small hole in the Spring Handle (black arrow).

STEP 11



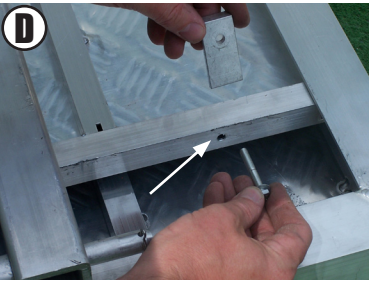
Replace the small pin you removed in Step 9 in this hole (black arrow). This creates the tension in the spring that keeps the Spring Handle working properly.

STEP 12



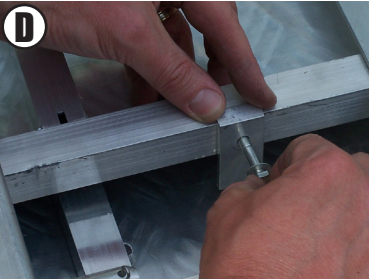
Now pull the Spring Handle in the direction shown (white arrow), lower the Level Control Arm so it is resting on the Carrier frame and release the Spring Handle so that it goes through the holes in the Level Control Arm (black arrow).

STEP 13



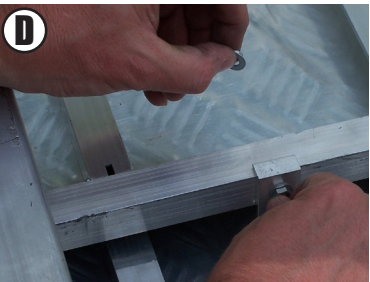
With the Carrier Unit still upside down, locate the small hole in the end of the Loading Deck (white arrow). The Deck Stop will be attached here using the 3/8" Bolt provided.

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



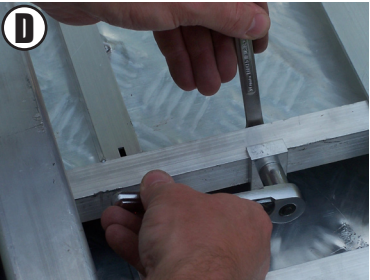
Place the remaining washer on the bolt that is sticking out of the Loading Deck frame.

STEP 16



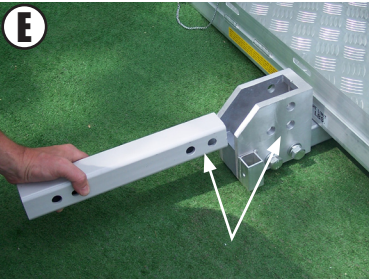
Now place the remaining nut on the bolt. This piece will prevent the Loading Deck from being extended too far from the Carrier Unit.

STEP 17



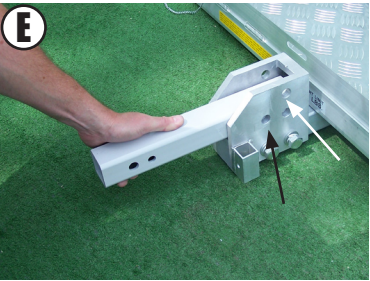
Tighten the bolt and nut using your small wrench and/or socket wrench.

STEP 18



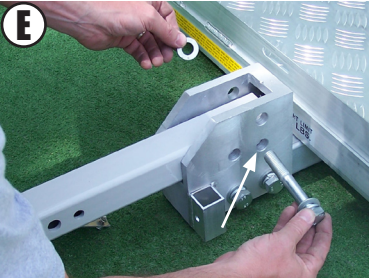
Turn the Carrier Unit and Mainframe assembly right-side-up. Now place the Hitch Bar into the Connection Block by aligning the two sets of holes (white arrows).

STEP 19



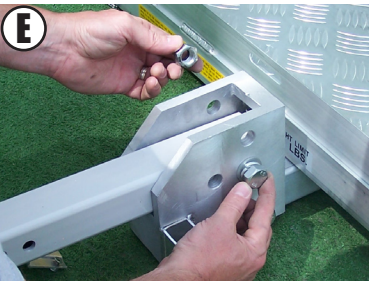
The Hitch Bar should fit snugly so that your Carrier is quiet. When using your Carrier you will place the bent Hitch-Pin in the lower hole (black arrow) during use and the upper hole (white arrow) when in the stored position.

STEP 20



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 through the Connection Block.

STEP 21



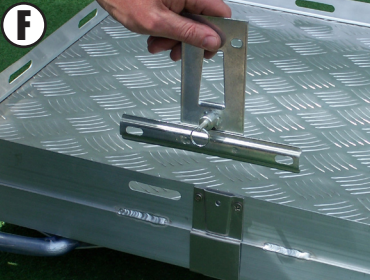
With the remaining nut, place it on the end of the bolt where you just placed the washer.

STEP 22



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

STEP 23



Locate your License/Light Hanger and the Hanger Adapter on the Carrier Unit near the Spring Handle. If you are displaying your license plate on the carrier, use the License Hanger as shown, if you are just using a light on the carrier, use the Light Hanger.

STEP 24



Pull the pin (white arrow) on the front of the Hanger and place the Hanger into the Hanger slot by sliding the tab on the back of it into the slot in the Hanger Slot. Let go of the pin and it will lock into place.