

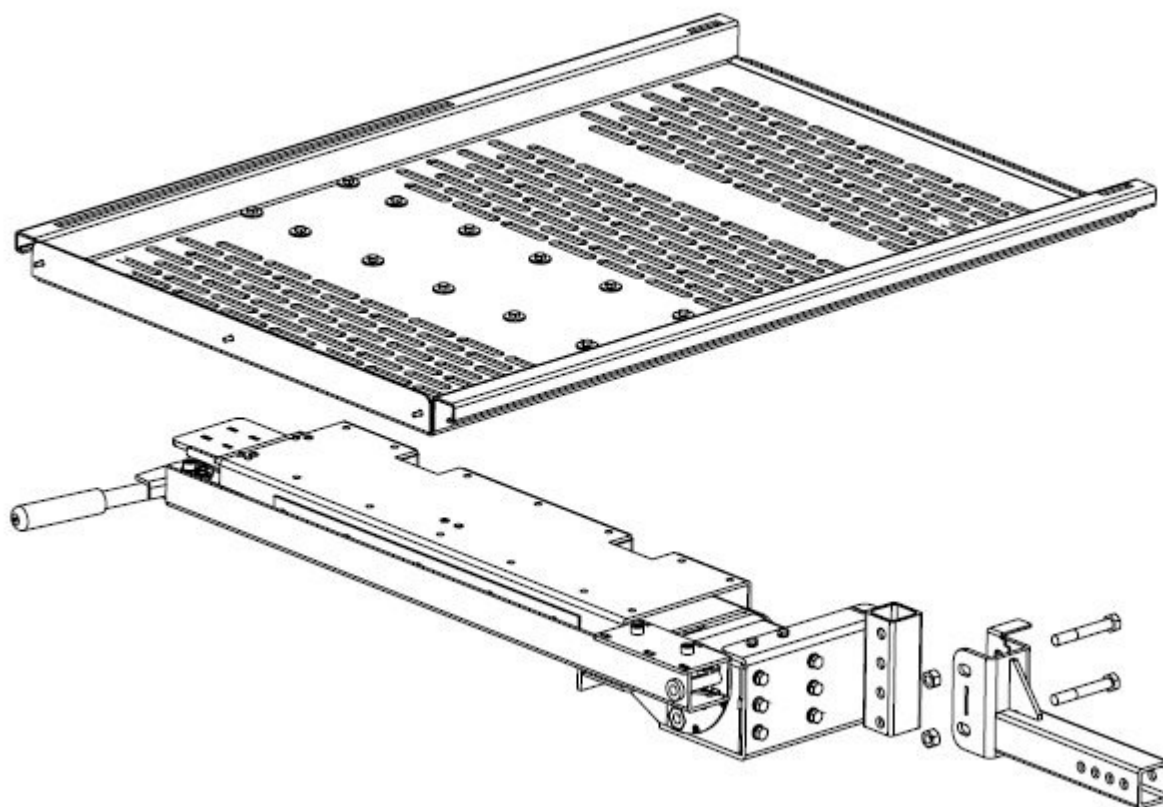
## Section I. Unpacking the Carrier

You should receive one box containing the installation components for the Model 310 Universal Carrier

### Box Contents should include:

Carrier Base Unit  
Carrier Platform  
Hitch Attachment  
Ratchet Straps (Set of 3)  
Owners Manual

1/2-13 x 3 1/2" Hex Head Bolts (3 Required)  
1/2-13 Hex Lock Nuts (3 Required)  
1/4-20 x 1/2" Hex Head Bolts (14 Required)  
1" OD Washers (14 Required)  
Warranty Card



The Model 310 Universal Carrier is packaged to be used with a standard class 2 or class 3 hitch.

Be sure to check the contents of each box to make sure that all items listed above are included. If any parts that are required for proper installation of the carrier are missing or damaged, contact the dealer from which you purchased the carrier immediately.

**DO NOT** attempt to install or operate the carrier if there are any missing or damaged parts.

## Section II. Preparing the Vehicle

In order to install the Model 310 Universal Carrier, the vehicle must be capable of accepting a standard class 2 or class 3 hitch. If you need assistance in choosing the correct hitch for your vehicle, contact your local hitch dealer such as U-Haul™. There are also many web sites on the internet that offer complete hitch guides and hitch search engines using your specific vehicle information. Below are a few sites that may be helpful:

<http://www.uhaul.com/>  
<http://www.hitchfinder.com/>  
<http://www.draw-tite.com/>  
<http://www.reeseprod.com/>

**Important:** Every hitch bears a different amount of tongue weight. **NEVER** exceed the tongue weight capacity of your hitch.

### Tongue Weight Calculation:

The Weight of the carrier

+

The Load (chair or scooter, any accessories such as the sliding ramp, detachable ramp, etc)

=

Tongue Weight

### Weight Guide:

Model Number	Product Name	Weight LBS
310	Universal Carrier	69 *
311	Slide Out Ramp	13
312	Detachabale Ramp	9
321	Stop Plate	2
166	Cover	5
412	Class 2 Attachment	7
411	Class 3 Attachment	7
414	Height Adapter	7
130	Swing Away Option	40
333	Ratchet Straps	3

\* Weight Shown Includes Hitch Attachment & Ratchet Straps

### Important Notes:

- The Weight Capacity of the Model 310 Universal Carrier is 225 LBS
- Some vehicles will require the rear suspension be supplemented by the addition of air adjustable shocks or other devices to keep the vehicle level.
- The hitch should be installed by a reputable hitch dealer
- Due to the additional weight on the rear of your vehicle, your vehicle may handle differently. Avoid driving your vehicle during inclement weather conditions until you are familiar with any handling changes to your vehicle. Always take extra care when driving your vehicle.

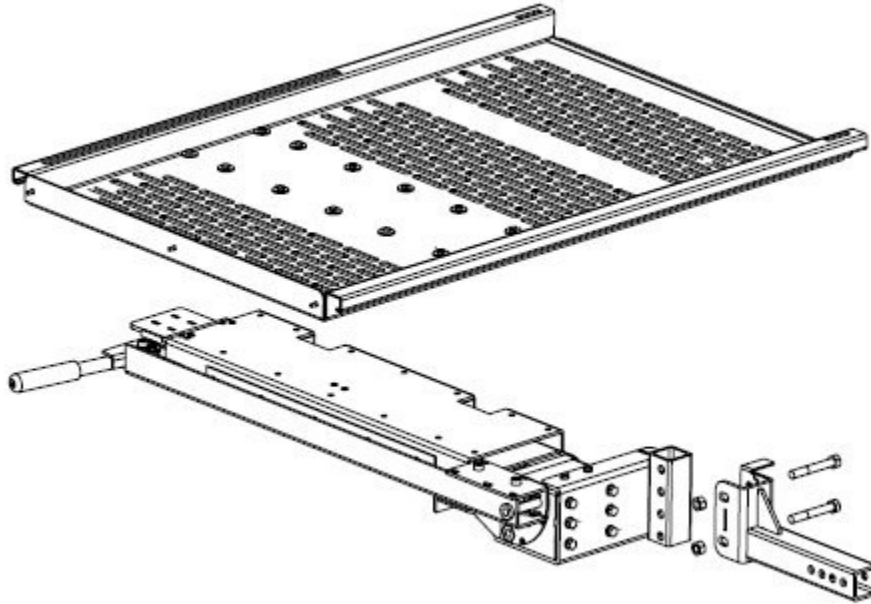
## Section III. Installing the Carrier

### Tools Needed:

7/16" Hex Socket (1 Required)

3/4" Wrenches (2 Required)

### Model 310 Universal Carrier – Full Assembly View



### Installation Instructions:

The Model 310 Universal Carrier comes with one hitch attachment for either a class 2 or class 3 hitch. (The class of hitch should have been specified at the time of order) Make sure the attachment included is for the correct class of hitch.

Attach the hitch attachment to the base of the carrier (**figure 1**) using the 1/2-13 x 3 1/2" hex head bolts and the 1/2-13 hex lock nuts.

Use one of the 3/4" wrenches to hold the first hex head bolt, while using the other 3/4" wrench to tighten the matching hex lock nut. Following the above, tighten the second hex lock nut and bolt.

**Note:** Make sure lock nuts are as tight as possible

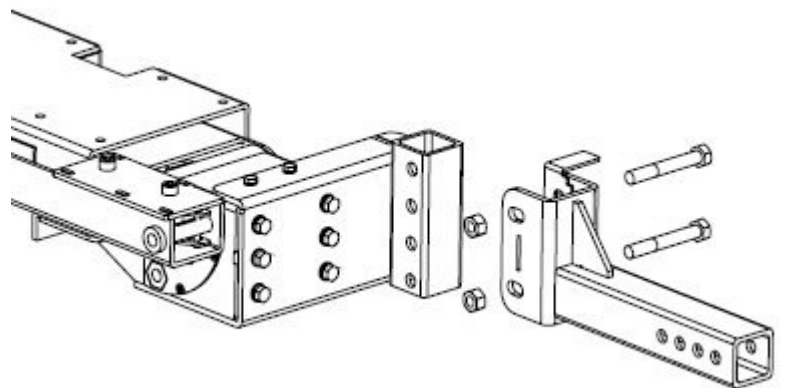


figure 1

### Section III. Installing the Carrier (Continued)

Attach the assembled carrier base/hitch attachment to the hitch of the vehicle making sure that the base unit is parallel to the ground. Use the remaining 1/2-13 x 3 1/2" hex head bolt and 1/2-13 hex head lock nut to secure the unit in the hitch receiver.

Attach the platform to the carrier base/hitch attachment assembly using the 1/4-20 x 1/2" hex head bolts and the 1" OD washers. Make sure the holes of the platform are aligned with the threaded holes of the base (**figure 2**)

Make sure that the platform is parallel to the ground

Using the 7/16" hex socket, tighten all the bolts as much as possible.

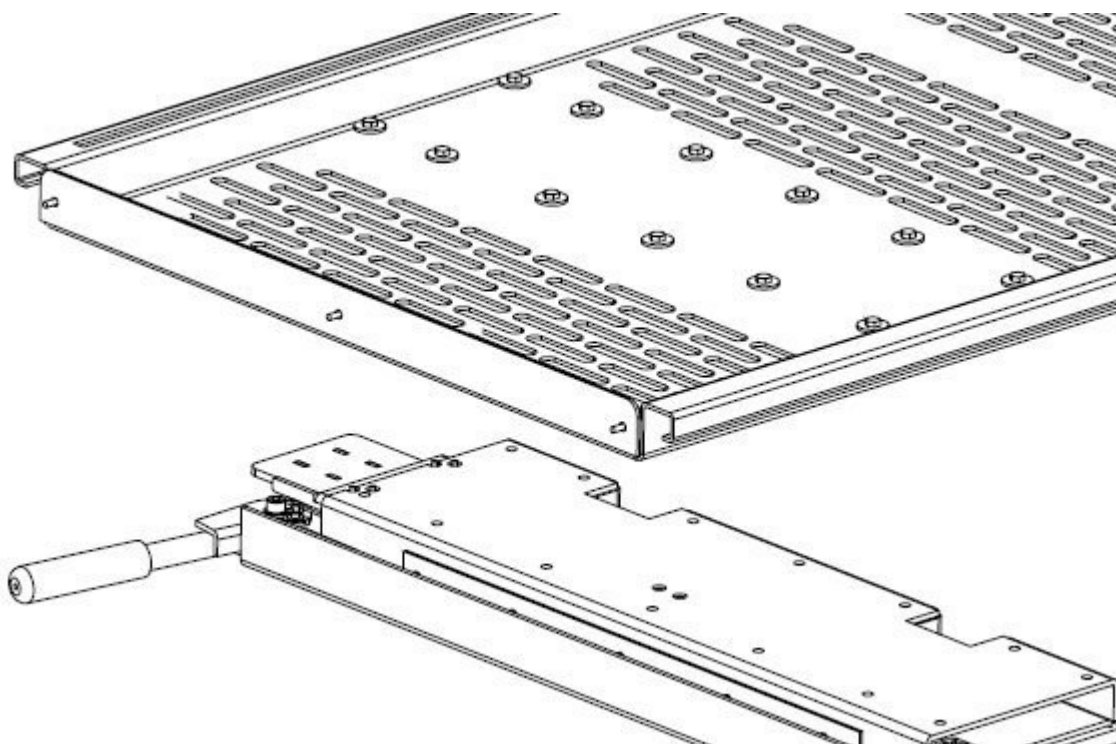


figure 2

**Be sure to check the following prior to operation of the carrier:**

- The carrier must be securely attached to the receiver of the hitch.
- The bottom of the carrier must be at least 8" - 16" from the ground and parallel. The angle of incline increases as you increase the height of the hitch connection. You will want to have the hitch connection as high as possible while still allowing easy loading of your chair/scooter.
- Inspect the carrier making sure that there are no damaged parts and that the carrier is in good operating condition
- Make sure the weight capacity of the carrier (225 LBS) will not be exceeded
- Make sure the tongue weight capacity of your hitch will not be exceeded