Stormor Boxes: Clamp Style Mounting System

OWNER'S MANUAL
Installation Instructions and Parts List

READ THIS ENTIRE MANUAL PRIOR TO INSTALLATION

Attention Dealers:
Please give these instructions to the customer when the product is delivered.

• Indianapolis, IN • Omaha, NE • Streetsboro, OH

Aero®
Stormor Boxes: Clamp Style Mounting System

Three kinds of special explanations will appear in these instructions. Be sure to read and follow them.

**WARNING:** Possible danger to the operator or bystander. The operator or bystander could be injured if you ignore this information.

**CAUTION:** Risk to the product. If you ignore this information the Product or the Vehicle could be damaged.

**NOTE:** Contains additional information about a feature or step critical to the installation of this product.

### TOOLS REQUIRED FOR INSTALLATION

- Air or Electric Drill
- 7/16" Drill Bit
- 5/8" Open End or Box Wrench
- 5/8" Socket
- Air or Electric Impact Wrench
- Torque Wrench
- 24" Square

**Customer:** If you have any concerns or questions prior to the installation of this product, please call our Customer Service at **1-800-535-9545**

**Aero Warranty**

Aero Products come with a one year warranty on all parts. It's another example of our on going commitment to customer satisfaction and quality.
STEP 1 - Installing a Double or Single System

1. Check your hardware package to be sure you have all the parts listed below. The package is used for mounting either the dual box or single box version.

!!WARNING:!! If you are installing only one Stormor Box, you must also install a stablizer bar (See STEP 5 and Figure 2). Failure to do so could result in serious injury and/or physical damage.

2. Decide where you want to mount the Stormor Box(es) on the trailer. Measure to ensure that there is enough room to do so. Mark two places on the frame rails 60" apart (if you have a 60" model) or 48" apart (if you have a 48" model. See STEP 1, Figures 1 and 2.

3. If you are mounting Stormor Boxes on the spread of a flatbed trailer made by Utility Trailer Manufacturing Company, disregard STEP 1,Figure 1. The spread is the area between the rear axles. Use a standard mounting bracket for the forwardmost end of each box. Use a special mounting bracket for the rearmost end of each box.
Stormor Boxes: Clamp Style Mounting System

Figure 1

(Figure 1: Diagram showing the mounting system for trailers with constant-height frame rails. Marks are indicated on the frame rails, and mounting brackets are shown at the lower and standard positions.)

Figure 2

(Figure 2: Diagram showing the mounting system for 1999 Flatbed Trailers Made by Utility Trailer Manufacturing Co. Special longer mounting bracket is marked as (Mounts at Rear).)
STEP 2 - Install Mounting Tubes

1. **See Figure 3.** The upper mounting tube is provided to you longer than is needed. Cut an equal amount off of each end so that the tube will fit between the frame rails of the trailer. Leave 1/4" clearance between each end of the upper mounting tube and the frame rails.

2. **See Figure 4.** Attach the two pieces of rubber tape to the upper and lower mounting tubes.

3. Assemble the two mounting tubes to the trailer’s frame rails. Make sure the mounting tubes are square with the rails and they do not interfere with air hoses, electrical wiring, etc.

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**Figure 3**

![Diagram of upper mounting tube installation](image1)

**Figure 4**

![Diagram of rubber tape and mounting tube assembly](image2)
4. **See Figure 3 & 4.** Cut the second upper mounting tube to the same length as the tube cut earlier. Assemble it with the remaining lower mounting tube. Tighten bolts just enough to hold the tubes in place, but still allowing the assembly to be slid forward and backward on the frame rails.

**NOTE:** The rubber shock absorbers are 3/4” thick. If the flange on the beam is greater than 3/4”, install 3/8” flat washers on the top and bottom of the shock absorbers until the thickness is greater than the flange. This will allow compression of the shock absorbers. See Figure 5.

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**STEP 3 - Install Mounting Brackets**

1. **See Figure 1.** Stand one of the boxes upright on a piece of its cardboard container (to prevent scratching). The end of the box that will be closest to the front of the rig should be the one that is facing up.

2. **See Figure 2.** Locate and temporarily clamp one of the mounting brackets into position.

3. Drill 2 mounting holes with a 13/32” dia. drill bit at the locations shown.

4. Use 3/8”-16 x 1-1/4” bolts, 3/8” washers, and 3/8”-16 nylon insert nuts provided to attach the mounting brackets as shown.
Perform step 5a only if you are mounting Stormor Boxes on the spread of a 1999 flatbed trailer made by the Utility Trailer Manufacturing Company. The "spread" is the area on the frame rails where they taper down to a shorter height. Otherwise, go ahead to step 5b.

5a. Turn the box over and attach the special mounting bracket the same way as you did for the first mounting bracket.

5b. Turn the box over and attach the other mounting bracket the same way you did for the first mounting bracket. Refer to figure 2.

**STEP 4 - Install Boxes**

1. Position the box so that its mounting brackets align with and slide onto the lower mounting tubes. Slide the loose pair of mounting tubes up snug to the ends of the boxes as shown in Step 1, figures 1 and 2.

2. Tighten the four bolts that hold the upper and bottom mounting tubes together. Make sure the rubber shock absorbers are in place before tightening down the bolts. Tighten the nylon insert nuts.

3. Make sure the mounting brackets on the boxes are snug against the mounting tubes as shown in Step 1, figures 1 and 2.

4. Position the box in far enough so that the end of the mounting tubes is flush or protrudes a little from the mounting brackets.

5. **See Figure 1.** Open the door of a box and use a clamp as shown to temporarily hold the mounting bracket to the mounting tube. Using one of the pre-drilled holes in the mounting tube as a guide, drill a 11/32" hole through the end of the box.

6. Insert a 3/8" x 2-3/4" bolt in the hole from the inside. Add a washer and nut, and tighten.

7. **See Figure 2.** Remove the clamp and drill another 13/32" hole in the box and repeat step 6.
**Stormor Boxes: Clamp Style Mounting System**

**STEP 5 - Install the Stabilizer Bar (Single Box System Only)**

1. **See Figure 1.** When mounting only one Stormor Box on a trailer, it is very important to install a stabilizer bar. Failure to do so will create a potentially hazardous assembly. After assembling the box as described in STEP 4, you must now add the stabilizer bar on the opposite side of the trailer from which the box is mounted.

2. **See Figure 2.** Many kits will receive a stabilizer bar that is pre-cut to the length of the box ordered. If you need to re-size this part, cut the stabilizer bar as shown.

3. **See Figure 1.** Loosen and remove the two 3/8" x 7-1/2" bolts on the mounting tubes that are located on the side of the trailer with no box. Install the stabilizer bar and re-insert the bolts, washers, nylon insert nuts, and tighten.

*Figure 1*

*Figure 2*
Stormor Boxes: Clamp Style Mounting System

Double Box System

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<td>Shock Absorber</td>
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<td>6</td>
<td>0820-680620</td>
<td>Washer Flat 3/8&quot;</td>
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## Stormor Boxes: Clamp Style Mounting System

### Single Box System

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<td>Mounting Top Tube</td>
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How to Use the Stormor Box

1. Unlock the two latches in the door of the box by using the keys provided.
2. To OPEN, pull out on the two flush-mounted handles and rotate them 1/4 turn to unlatch the door on the box. Lower the door to the fully open position.
3. To CLOSE, return the door to the closed position and rotate the latch handles 1/4 turn to latch the doors in the closed position.
4. Lock the latches and return the key to a secure location.

How to Maintain the Stormor Box

1. All fasteners should be checked and kept tightened.
2. Replace all worn or damaged parts.