



SHOCKER CLAMP-ON TRAILER FRAME MOUNT BRACKET KIT FOR SWAY FRICTION ARM BAR - SH-7010

-INSTALLATION

•Apply the supplied anti-seize to the threads on all the stainless steel hardware to prevent galling and welding itself together. Assemble trailer frame sway ball from Friction Bar Kit, i.e. SH-1001, on aluminum plate using 4 each 3/8 x 1" countersink stainless steel bolts, lock washers and nuts provided in this kit. Tighten using phillips and a 9/16" wrench. Torque to 17 ft-lbs (**see Figure 1 & 2**). (Note: It is difficult to apply a specific torque to phillips head bolts).

•Loosely assemble both aluminum plates using two 3/8 x 3-1/2" long stainless carriage bolts, split lock washers and nuts through the single pair of holes at one end of plates closest to the bolted sway ball (**see Figure 3**). Determine the next closest holes from the bottom of the frame rail to install the lower two remaining carriage bolts through the plate assembly (**see Figure 4**). **DO NOT FULLY TIGHTEN.**

•Slip the assembly over the frame rail so the plate sway ball is 24" from the center to the center of the trailer coupler (**see Figure 5**). Note that removal or relocation of any brackets, wiring, brake controllers may be necessary to allow optimal location of the plate assembly.

•Torque the top and bottom carriage bolts to **8 ft-lbs** if the trailer frame height is a full inch dimension (i.e. 4, 5, 6, 8). Torque the top carriage bolts to **8 ft-lbs** and the bottom carriage bolts to **5 ft-lbs** if trailer frame height is between a full inch dimension (4-1/2, 5-1/2, etc.) and there is a gap between the two lower bolts and the bottom of the trailer frame. After an initial installation bolt torque should be checked on all fasteners and look for signs of shifting on frame or unwanted distortion.

•**Note: the assembly may be installed in an inverted position for maximum ground clearance if necessary. The kit is designed to fit 4", 5", 6", and 8" tall frame rails. The hardware provided is designed for 2" thick frame rails, thicker frame rails will require longer 3/8" carriage bolts.**

•Install friction bar on both balls and secure with clips. Ensure friction bar tension is set loose initially. See instructions for SH-1001 for more information.

•**Note: To avoid damage of the friction sway control system, the bar must not be extended too far or compressed too much or bottomed out when turning corners. This should be checked by an observer while slowly turning to verify clearance. Avoid extremely sharp turns. Loosen and adjust bolt on assembly as needed to prevent damage.**

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Product Page



Warranty Registration



Figure 1: Assemble plated sway ball onto trailer bracket frame.



Figure 2: Tighten plated sway ball using a phillips screwdriver & 9/16" wrench.



Figure 3: Assemble "back frame" using longer carriage bolts, washers, & nuts on top side.



Figure 4: Find desired height and insert the remaining long carriage bolts, washers, & nuts.



Figure 5: Measure 24" center-to-center from trailer coupler to plated sway ball. For clamp-bolt torque, follow the frame-height conditions in the installation text.