

## FRICTION SWAY ARM INSTALL INSTRUCTIONS

Item#	Qty	Description
1	1	Friction sway arm assembly
2	1	Trailer-mounted attachment ball - (1-1/4" Diameter)
3	1	Spacer plate
4	2	Ball clips
5	8	Self-tapping mounting screws
6	1	Sway control mini trailer ball - (1-1/4" Diameter)



### INSTALLING TRAILER-MOUNTED BALL ATTACHMENT BALL AND SPACER PLATE

- Measure from the center of the coupler to the side of the trailer tongue 24" and make a marking for the trailer-mounted attachment ball and spacer plate (see Figure 1).
- Center the trailer-mount attachment ball and spacer plate on the 24" marking, using a center punch tool, mark the drilling holes needed for trailer-mounted ball attachment.
- Drill marked spots with a 11/32" drill bit on trailer tongue, use self tapping mounting screws to mount trailer-mount ball attachment and spacer plate, repeat on other side if needed.

### HOOKING UP TO SHOCKER AIR HITCH, IMPACT, AND XR (w/SWAY TAB BALL MOUNTS)

- Attach the sway control mini trailer ball to the Shocker Hitch sway mount tabs, torque to 100 ft-lbs, repeat on other side if needed.
- Take friction sway arm and loosen the tension, attach friction sway arm to trailer-mounted ball on trailer tongue and to the mini trailer ball on Shocker Hitch, secure using clips (see Figure 2).
- IMPORTANT:** For left hand installation, remove slide bar, and reinstall "upside down" (see Figure 5 & 6).

### HOOKING UP TO SHOCKER AIR EQUALIZER (w/WEIGHT DISTRIBUTION HITCH)

- Most weight distribution mounts are equipped with a mounting hole for the mini trailer ball (see Figure 3). Attach sway control mini trailer ball to weight distribution mount, torque to 100 ft-lbs.
- Take friction sway arm and loosen the tension, attach friction sway arm to trailer-mounted ball on trailer tongue and to the mini trailer ball on Shocker Hitch, secure using clips (see Figure 4).
- IMPORTANT:** For left hand installation, remove slide bar, and reinstall "upside down" (see Figure 5 & 6).

### HOW TO USE FRICTION SWAY ARMS

- If not done already, follow the appropriate steps above for proper installation of trailer-mounted attachment ball, spacer plate, and friction sway arm kit(s)
- With friction sway arm installed and secured, turning the on/off handle clockwise, tighten firmly until the handle is parallel with the main friction sway arm body.
- With some help, check that the sway control unit is not hitting the bumper or trailer frame, and that it does not become fully compressed or come apart by slowly backing your trailer in both directions into a "jack-knife" position. If the unit has any of the following occur, it must be removed while backing up.
- Weather and road conditions, trailer load and design, tow vehicles all can affect the characteristics of your towing experience. Always start by testing preset tension. If that is not enough, turn adjustment handle 1/4 of a turn clockwise. Road test again and repeat if needed until proper sway control is achieved.
- Trailers under 10,000 lbs recommend 1 friction sway arm kit and trailers over 10,000 lbs are recommended to use 2 friction sway arm kits.
- IMPORTANT:** It is recommended to clean the slide bar after a 1,000 miles break-in period with a wire brush. The slide bar should be cleaned every 10,000 miles after that.

### SAFETY NOTICE

- Towing vehicles with shorter wheel bases may induce sway, use with extreme caution
- Never modify, paint, or lubricate the friction sway arm slide bar.
- Sway control systems cannot be used on trailers with surge brakes.
- If sway continues, do not speed up as this can produce more sway with speed, stop the vehicle and inspect all your towing equipment and correct anything that is incorrectly installed.
- If towing on slippery conditions such as rain, ice, snow covered roads, and gravel, remove sway control units.
- The Shocker Hitch is a heavy duty unit, however it is imperative that any weight capacity ratings are not exceeded on the ball that is mounted on your tow vehicle, or the Shocker Hitch. Any modification to the hitch voids warranty and is done so at your own risk.

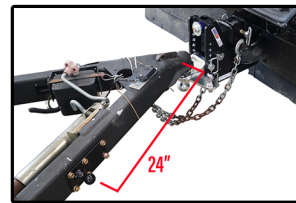


Figure 1: Measure 24" from center of coupler down side of trailer tongue

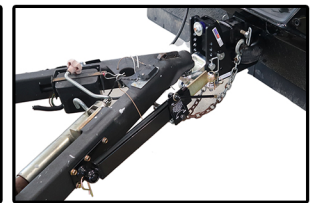


Figure 2: Friction sway arm kit installed on Shocker HD Max Black Air Bumper Hitch

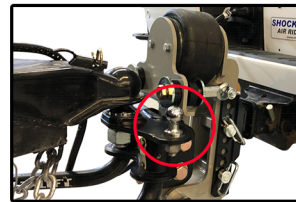


Figure 3: Weight distribution mounting hole location for mini trailer ball

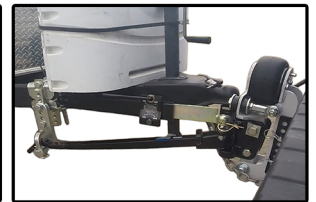


Figure 4: Friction sway arm kit installed on Shocker Air Equalizer



Figure 5: Loosen tension of friction sway arm and remove slide bar



Figure 6: Flip slide bar over and reinsert into friction sway arm unit

THANK YOU FOR CHOOSING SHOCKER HITCH

Shocker Hitch: Safer Smoother Towing - 2801 3RD AVE SW, JAMESTOWN ND, 58401 - (701)-707-2666

-Email: [orders@shockerhitch.com](mailto:orders@shockerhitch.com) -Website: [www.shockerhitch.com](http://www.shockerhitch.com) -Installation Videos on [Shocker Hitch YouTube Channel](#)