

INSTALLATION - Shocker Air, HD, Super Drop, & Streamline

1.) Before inserting air hitch into the receiver of towing vehicle, release any excess air pressure by pressing in the air valve core and pressing downward on the paddle of the air hitch (see Figure 1). Once enough pressure is relieved, stop pressing in the air valve core first, then stop pushing on air hitch paddle.

Note: If you stop pressing down on the air hitch paddle before you stop pressing in the air valve core, it will allow the air bag to suck in air. This can cause the air hitch to not have enough clearance to fit properly.

2.) Insert hitch into the tow vehicle's receiver - be sure that you have the correct shank fitment. Fitments typically include 2", 2-1/2" and 3" (Only Fits Some 2017 and Newer Ford Super Duty Dually F350 F450 models). Insert receiver pin and clip to desired adjustment hole.

Note: Some receivers may have a "flat" bottom and may require a paddle spacer plate. This typically occurs with our Shocker HD air hitch models with the 2" receiver (see Figures 2 & 3). If you are unsure after complete installation, please reach out to our tech team for clarification.

3.) Before hook-up, take desired ball mount attachment and adjust to the height of your tow vehicle and trailer. Load trailer to liking then hook up to air hitch. You will notice the hitch will pivot downward which is completely normal. Latch coupler.

4.) Add air to the air bag by using the air valve on the side of the hitch. As you air up the hitch, you will notice the hitch pivoting upward. Add air pressure until the top of hitch frame touches the front, tailgate side, thicker bump cushion and compresses it up to 1/8" (see Figure 4). If you add more weight to trailer, just add more air.



Figure 1: Press in the air valve core and press downward on the air bag paddle to release excess air pressure.



Figure 2: Air bag paddle is showing too much "angle" and needs to be corrected with a paddle spacer block.



Figure 3: Air bag paddle angle is corrected using the paddle spacer block - **only provided with 2" & 2-1/2" HD models.**



Figure 4: Air hitch up until the main frame makes contact with the "bigger" bump cushion and compresses 1/8"

INSTALLATION - Trail Force™

1.) Insert hitch into the tow vehicle's receiver - be sure that you have the correct shank fitment, this unit only comes in a 2" receiver size. Insert receiver pin and clip to desired adjustment hole.

2.) Before hook-up, take desired ball mount attachment and adjust to the height of your tow vehicle and trailer. Load trailer to liking then hook up to air hitch. You will notice the hitch will pivot downward which is completely normal. Latch coupler.

INSTALLATION - Trail Force™ CONTINUED

3.) Add air to the air bag by using the air valve on the bottom side of the hitch (see Figure 5). As you air up the hitch, you will notice the hitch pivoting upward. Add air pressure until the top of hitch frame touches the front, tailgate side, thicker bump cushion and compresses it up to 1/8" (see Figure 6). If you add more weight to trailer, just add more air.



Figure 5: Fill up air bag using the air valve located on the bottom side of the hitch,



Figure 6: Air hitch up until the main frame makes contact with the "bigger" bump cushion and compresses 1/8"

INSTALLATION - Shocker SPORT™

1.) Before inserting air hitch into the receiver of towing vehicle, release any excess air pressure by pressing in the air valve core and pressing downward on the paddle of the air hitch. Once enough pressure is relieved, stop pressing in the air valve core first, then stop pushing on air hitch paddle.

Note: If you stop pressing down on the air hitch paddle before you stop pressing in the air valve core, it will allow the air bag to suck in air. This can cause the air hitch to not have enough clearance to fit properly.

1.) Insert hitch into the tow vehicle's receiver - be sure that you have the correct shank fitment, this unit only comes in a 2" receiver size. Insert receiver pin and clip to desired adjustment hole.

2.) Before hook-up, take desired ball mount attachment and adjust to the height of your tow vehicle and trailer. Load trailer to liking then hook up to air hitch. You will notice the hitch will pivot downward which is completely normal. Latch coupler.

3.) Add air to the air bag by using the air valve on the bottom side of the hitch (see Figure 7). As you air up the hitch, you will notice the hitch pivoting upward. Add air pressure until the top of hitch frame touches the front, tailgate side, thicker bump cushion and compresses it up to 1/8" (see Figure 8). If you add more weight to trailer, just add more air.



Figure 7: Fill up air bag using the air valve located on the bottom side of the hitch.



Figure 8: Air hitch up until the main frame makes contact with the "bigger" bump cushion and compresses 1/8"

MAINTENANCE

-If you are using a ball mount with a coupler ball, it is highly recommended to grease the ball to reduce wear and tear on the trailer coupler and the ball mount. Regularly grease your Shocker Hitch using the built-in grease zerk on the pivot bolt. It's recommended to grease every 60 days or depending on use. Usage on gravel, dirt, or wet roads may require more frequent greasing.

IMPORTANT: DO NOT under any circumstances tighten the top bolt - this hitch is made to "float" and pivot. Tightening the top bolt will take away the pivoting and create a rougher ride.

MOUNT ATTACHMENT DROP/RISE & TOWING RATING GUIDE

Towing capacity is limited by the lowest rated component.

SHOCKER AIR, HD, Streamline, SPORT™ & Super Drop HD (add 4")

- Combo Ball: 0" Rise to 4-1/2" Drop | 2-5/16" ball rated at 20,000 lbs & 2" ball rated at 10,000 lbs.
- Drop Ball: 4-1/2" to 8-1/2" Drop | 2-5/16" ball rated at 20,000 lbs & 2" ball rated at 10,000 lbs.
- Raised Ball: 2" Rise to 2" Drop | 2-5/16" ball rated at 20,000 lbs & 2" ball rated at 10,000 lbs.
- Channel Pintle Hook: 3" to 7" Drop | 10-Ton 20,000 lbs.
- Pintle Hook with Mount: 2-1/2" Rise to 6-1/2" Drop | 10-Ton 20,000 lbs.
- Channel Pintle & Ball: 3" to 7" Drop | 8-Ton 16,000 lbs. (2" Ball is 10,000 lbs).
- Pintle & Ball with Mount: 2-1/2" Rise to 6-1/2" Drop | 8-Ton 16,000 lbs. (2" Ball is 10,000 lbs).
- Drawbar: 0" Rise to 4-1/2" Drop | 20,000 lbs.
- Clevis Mount: 3-1/2" Drop to 7-1/2" Drop | 20,000 lbs.

Sway Bar Mounts: Same Rating as Like Type Mount Listing Above.

TRAIL FORCE® AIR HITCH

- Combo Ball: 0" Rise to 6-1/2" Drop | 2-5/16" ball rated at 20,000 lbs & 2" ball rated at 10,000 lbs.
- Drop Ball: 4-1/2" to 10-1/2" Drop | 2-5/16" ball rated at 20,000 lbs & 2" ball rated at 10,000 lbs.
- Raised Ball: 2" Rise to 4" Drop | 2-5/16" ball rated at 20,000 lbs & 2" ball rated at 10,000 lbs.
- Channel Pintle Hook: 3" to 9" Drop | 10-Ton 20,000 lbs.
- Pintle Hook with Mount: 2-1/2" Rise to 8-1/2" Drop | 10-Ton 20,000 lbs.
- Channel Pintle & Ball: 3" to 8" Drop | 8-Ton 16,000 lbs. (2" Ball is 10,000 lbs).
- Pintle & Ball with Mount: 2-1/2" Rise to 8-1/2" Drop | 8-Ton 16,000 lbs. (2" Ball is 10,000 lbs).
- Drawbar: 0" Rise to 2-1/2" Drop | 20,000 lbs.
- Clevis Mount: 3-1/2" Drop to 9-1/2" Drop | 20,000 lbs.

Sway Bar Mounts: Same Rating as Like Type Mount Listing Above.

QR CODES - Scan with phone for more information on your Shocker Hitch!



Warranty Registration



Air Pressure Guides



Installation Guides

THANK YOU FOR CHOOSING SHOCKER HITCH

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