



# QUICK AIR 5TH WHEEL TO GOOSENECK CONVERSION KIT & SAFETY CHAIN INSTALLATION GUIDE

Patent #'s 11,370,257 B1 & D898,628



**TOOLS REQUIRED:** 15/16" wrench and impact wrench with 15/16" socket

## PIN BOX INSTALLATION

- On a level surface, take a measurement of your vehicles bed floor to the ground and make note as this will be applied to the Shocker Hitch Quick Air system. You will want to take the measurement noted and match it to the bottom of the Gooseneck Surge coupler for optimal operating height.
- Unbolt your existing 5th wheel pin box with a 15/16" wrench and impact with a 15/16" socket from your camper/trailer and any brake cables. With assistance, remove your 5th wheel pin box and set it aside and/or put it away in storage (see Figure 1).
- With assistance, slide the Quick Air pin box into the camper/trailer's pin box bracket. Once lined up in the correct adjustment holes of the brackets, use the previous pin box's hardware to install the Quick Air pin box (see Figure 2). Before sliding the Quick Air pin box in place, is recommended to use spray grease/lubricant on the pin box brackets to assist installation.
- NOTES: Some applications may require spacers for the Quick Air pin box to fit properly, Torque to 120 FT pounds, please note that some pin box frames may required a different torque, refer to the manufacturer's recommendations.
- IMPORTANT:** DO NOT overtighten the pin box bolts as this can lead to premature wear and possible failure in the pin box. It is highly recommended to use additional washers on the backside of the pin box bolts.

## SAFETY CHAIN INSTALLATION

- IMPORTANT:** The Shocker Hitch Quick Air 5th Wheel to Gooseneck conversion kit makes your king pin into a gooseneck hitch, which means it is crucial to use safety chains with any gooseneck hitch as most states require it by law. You may use your own safety chains if you so desire, see instructions below if you purchased the kit with this system.
- Using the existing pin box hardware, install the chain brackets to the Quick Air pin box using a 15/16" wrench and impact wrench with a 15/16" socket (see Figure 3). Torque to 120 FT pounds, please note that some pin box frames may required a different torque, refer to the manufacturer's recommendations.
- Take the provided 42" safety chains and feed them through the "t" shaped slot on the brackets and adjust to desired length. Once the safety chains are set to desired length, take the carriage bolts and nuts and thighten them on the top side of the chain brackets (see Figure 4). See "[GOOSENECK SURGE INSTALLATION](#)" section for next steps.

## GOOSENECK SURGE INSTALLATION

- Take the Shocker Hitch, insert it into the outer tube of the Quick Air pin box, and install safety pin and set bolt(s). Please note the air bag faces toward the rear of the trailer (see Figure 5). Torque locking bolts to your trailer manufacturer's recommended specifications. Before hooking up to your towing vehicle, be sure to lubricate the Shift Lock coupler u-bolt and gooseneck ball in your bed. For proper usage of the Shift Lock coupler, please refer to "[HOW TO USE SHIFT LOCK COUPLER](#)" section.
- IMPORTANT:** ALWAYS use safety chains with any gooseneck hitch as it is required by law in most states.

## HOW TO USE SHIFT LOCK COUPLER

- Connect to the gooseneck ball by moving the Shift Lock coupler handle to the unlocked position (see Figure 6), lower the trailer onto the ball (see Figure 7), and move the Shift Lock coupler handle to the locked position and insert the quick clip pin. To check that the Shift Lock coupler is locked around the ball, you will see the u-bolt sticking out of the rear of the coupler approximately 1" (see Figure 8). If you do not see this, the coupler is NOT locked around the ball. Repeat the first two steps until you can see the u-bolt stick out the rear of the coupler in Figure 8.

## MAINTENANCE

- There is a grease fitting in which you can grease the pivot bolt as needed. It is recommended to do this every 6-12 months depending on the usage of the hitch. Note that you CANNOT over grease the pivot pin.

## SETTING AIR PRESSURE

- Initially set air pressure to around 15 PSI. Test driver and adjust air pressure in 5 PSI increments until optimum results are found. Decreasing/increasing air pressure may be needed. When towing in high winds, it may be necessary to increase the air bag air pressure.
- IMPORTANT:** NEVER exceed 100 PSI in the air bag, this may lead to a stiffer ride and damage the air bag itself.

## SAFETY NOTICE

- Towing capacity is limited by lowest rated component, Do NOT exceed Gross Vehicle Weight Rating or Shocker Hitch weight ratings. The Quick Air pin box is ONLY rated for 24,000 LBS GTW and 6,000 LBS TW. Any modification to the hitch or pin box voids warranty and is done so at your own risk. Manufactured by Shocker Hitch® USA in Jamestown, ND.

## ADDITIONAL INFORMATION

- Use your cell phone to scan the QR codes below for additional setup guides, air pressure guides, warranty registration, and our Shocker Hitch YouTube channel.



Set up guides



Air pressure guides



Warranty registration



YouTube channel



Figure 1: Loosen pin box bolts & nuts and remove original pin box



Figure 2: Line up Quick Air pin box and install with original hardware



Figure 3: Using existing hardware, install safety chain brackets to Quick Air pin box



Figure 4: Feed chains into bracket and secure using provided carriage bolts



Figure 5: Standard red frame models the air bag faces toward the rear



Figure 6: Shift Lock coupler in unlocked position, low hitch onto gooseneck ball



Figure 7: Shift Lock coupler lowered onto gooseneck ball



Figure 8: Shift Lock coupler in correct locked position - 1" of the u-bolt stick out

THANK YOU FOR CHOOSING SHOCKER HITCH AIR RIDE TOWING HITCHES

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

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