



GOOSENECK SURGE WITH KING PIN INSTALLATION GUIDE

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



INSTALLATION - PIN STYLE

-On a level surface, take a vertical measurement from the bottom of the ball coupler tube to the bottom of the trailer frame sleeve and make note as you will transfer this measurement to your Shocker Hitch.

-Remove your original coupler tube (inner tube) by loosening the set bolt(s), pulling the safety pin, and sliding coupler tube out of the outer tube of your trailer.

-Take the Shocker Hitch and insert it into the outer tube of your trailer and re-install safety pin and set bolt(s). Please note for the standard red frame models, the air bag faces toward the rear of the trailer.

-NOTES: Torque locking bolts to your trailer manufacturer's recommended specifications. Before hooking up to your towing vehicle, be sure to lubricate the king pin and 5th wheel plate in your bed to reduce wear and improve movement.

-IMPORTANT: ALWAYS use safety chains with any gooseneck hitch as it is required by law in most states.

INSTALLATION - CRANK HANDLE STYLE

-Remove 3/8" bolt and handle assembly from top of trailer. Loosen set screws and removed existing coupler stem. Remove bearing and 3/8" thick washer from the original stem and install on new Shocker Hitch stem.

-Add a generous amount of grease to and around the threaded shaft on the new stem. Carefully slide new Shocker Hitch stem up into the trailer until fully engaged and new crank stem is exposed at the top of the trailer, tighten set screws. Install one 3/8" thick washer on exposed crank stem.

NOTES: Ram brand couplers already have one, the Bulldog brand couplers will require the addition of a 3/8" thick washer which is supplied with the Shocker Hitch. Reinstall the crank handle with the 3/8" bolt, hook up trailer and adjust coupler for a level trailer. Torque locking bolts to your trailer manufacturer's recommended specifications. Before hooking up to your towing vehicle, be sure to lubricate the king pin and 5th wheel plate in your bed to reduce wear and improve movement.

-IMPORTANT: ALWAYS use safety chains with any gooseneck hitch as it is required by law in most states.

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.

MAINTENANCE

-It is highly recommended that the king pin be greased to reduce wear. The Shocker Hitch should be greased regularly at the zerk located on the main pivot bolt. It is recommended to do every 6-12 months depending on the usage of the hitch. Note that you CANNOT over grease the pivot pin.

MAXIMUM WEIGHT RATINGS FOR SHOCKER GOOSENECK SURGE AIR HITCH MODELS

-30K King Pin | Tow Capacity is 30,000 lbs for King Pin - 7,000 lbs tongue weight

-40K King Pin | Towing capacity is 40,000 lbs for King Pin - 8,000 lbs tongue weight

SAFETY NOTICE

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. Always use safety chains with any goose neck hitch. Do NOT exceed Gross Vehicle Weight Rating, Gooseneck Ball Rating or Shocker Gooseneck Hitch weight ratings. We manufacture various stem configurations to fit most trailer manufactures. Please make sure you are using the correct one for your trailer. If you have ordered a "blank" stem with no holes, make sure you correctly mark pin location on the stem and have it drilled out by a professional qualified shop. Any modification to the hitch or coupler 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

THANK YOU FOR CHOOSING SHOCKER HITCH AIR RIDE TOWING HITCHES

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