

SHOCKER REGULAR AIR RECEIVER HITCH INSTALLATION



SHOCKER 14K AIR HITCH
14,000 GTW - 1,400 TW



STREAMLINE ALUMINUM AIR HITCH
10,000 GTW - 1,000 TW



HD AIR HITCH
20,000 GTW - 2,000 TW



HD MAX BLACK AIR HITCH
20,000 GTW - 2,000 TW

1. Compressing Air Bag (BEFORE INSTALLATION)

- **Release Pressure:** Use the provided cotter pin clip to push in on the valve core to release air pressure from the bag (Figure 1).
- **Compress:** While releasing pressure, simultaneously push down on the air bag paddle or squeeze the plates together to exhaust the remaining air (Figure 1).

2. Installing Shocker Hitch into the Receiver

- **Mounting:** Slide the hitch shank fully into the receiver tube of your tow vehicle
- **Align and Secure:** Align the pin holes and insert the 5/8" hitch pin. Lock it in place with the cotter pin clip (Figure 2).

3. Install Attachment Ball Mount

- **Selection:** Choose a ball mount that allows your trailer to sit level (see **ATTACHMENT BALL MOUNT DROP & RISE / RATING GUIDE** (pg. 3) for more information on which attachment to select).
- **Attachment:** Install your chosen mount into the Shocker Hitch Frame (Figure 3).
- **Secure:** Use the hitch pins and cotter pin clips provided to lock ball mount into place.

4. Setting Air Pressure

- **Load the Trailer:** Hook up your trailer and load it as you normally would for travel.
- **Inflate:** Add air using an air compressor through the valve. As pressure increases, the hitch will begin to pivot (Figure 4).
- **The "Sweet Spot":** Stop adding air once the main frame lightly compresses the truck side bump cushion (see **PROPER AIR PRESSURE GUIDE** for more details on pg. 2) (Figure 5).
- **Verification:** Ensure either the spacer block (**2" receiver hitches only**) or the paddle is pressed up against the bottom of the receiver tube (see **HD SPACER BLOCK GUIDE**) (Figure 6).
- **Safety Notice:** NEVER exceed 100PSI, as this can damage the air bag or bushings.

(NOTE: Ensure you have connected your safety chains and electrical cord before towing!!)



Figure 1: Releasing air pressure with cotter pin clip and pressing down on paddle simultaneously



Figure 2: Shank inserted into receiver tube and secured with pin and cotter pin clip



Figure 3: Ball mount installed and secured with hitch pins and cotter pin clips



Figure 4: Filling up air bag using an air compressor on the valve stem

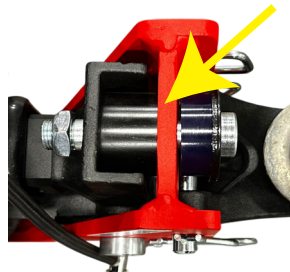


Figure 5: Truck side bump cushion compressed slightly showing proper air compression



Figure 6: Spacer block pressed up against receiver tube (Properly Installed)

SHOCKER SPORT AIR RECEIVER HITCH INSTALLATION



SHOCKER SPORT AIR HITCH
8,000 GTW - 800 TW

1. Compressing Air Bag (BEFORE INSTALLATION)

- **Release Pressure:** Use the provided cotter pin clip to push in on the valve core to release air pressure from the bag (Figure 7).
- **Compress:** While releasing pressure, simultaneously push down on the air bag paddle or squeeze the plates together to exhaust the remaining air (Figure 7).

2. Installing Shocker Hitch into the Receiver

- **Mounting:** Slide the hitch shank fully into the receiver tube of your tow vehicle (Figure 8).
- **Align and Secure:** Align the pin holes and insert the 5/8" hitch pin. Lock it in place with the cotter pin clip.

3. Install Attachment Ball Mount

- **Selection:** Choose a ball mount that allows your trailer to sit level (see **ATTACHMENT BALL MOUNT DROP & RISE / RATING GUIDE** (pg. 3) for more information on which attachment to select).
- **Attachment:** Install your chosen mount into the Shocker Hitch Frame (Figure 9).
- **Secure:** Use the hitch pins and cotter pin clips provided to lock ball mount into place.

4. Setting Air Pressure

- **Load the Trailer:** Hook up your trailer and load it as you normally would for travel.
- **Inflate:** Add air using an air compressor through the valve. As pressure increases, the hitch will begin to pivot (Figure 10).
- **The "Sweet Spot":** Stop adding air once the main frame lightly compresses the truck side bump cushion (see **PROPER AIR PRESSURE GUIDE** for more details) (Figure 11).
- **Verification:** Ensure the paddle is pressed up against the bottom of the receiver tube (Figure 12).
- **Safety Notice:** NEVER exceed 100PSI, as this can damage the air bag or bushings.
(NOTE: Ensure you have connected your safety chains and electrical cord before towing!!)

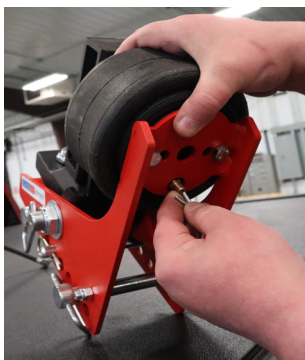
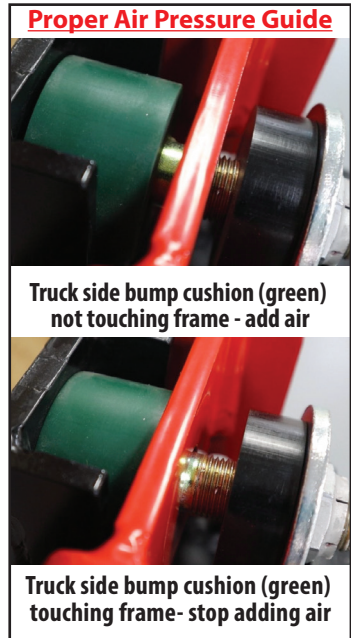


Figure 7: Releasing air pressure with cotter pin and pressing down on paddle



Figure 8: Shank inserted into receiver tube and secured with pin and cotter pin clip



Figure 9: Ball mount installed and secured with hitch pins and cotter pin clips



Figure 10: Filling up air bag using an air compressor on the valve stem

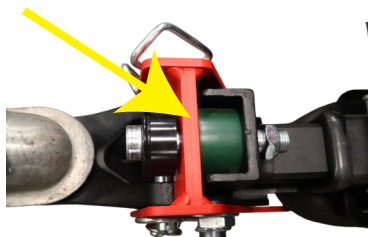


Figure 11: Truck side bump cushion compressed slightly showing proper air compression

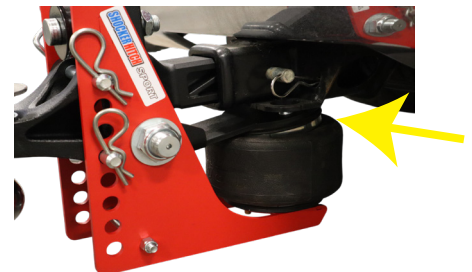


Figure 12: Paddle pressed up against receiver tube (Properly Installed)

SAFETY NOTICE

The Shocker Hitch is a heavy duty unit, however, it is imperative that any weight capacity ratings do not exceeded the receiver hitch rating of the towing vehicle or ball or mount on the Shocker hitch unit. Any modifications to the hitch with automatically void the warrant and it is done so at your own risk. Manufactured in the USA, Jamestown, ND.

SHOCKER TRAIL FORCE AIR HITCH INSTALLATION



TRAIL FORCE AIR HITCH
14,000 GTW - 1,400 TW

1. Installing Shocker Hitch into the Receiver

- **Mounting:** Slide the hitch shank fully into the receiver tube of your tow vehicle (Figure 13).
- **Align and Secure:** Align the pin holes and insert the 5/8" hitch pin. Lock it in place with the cotter pin clip (Figure 14).

2. Install Attachment Ball Mount

- **Selection:** Choose a ball mount that allows your trailer to sit as level as possible once connected (see **ATTACHMENT BALL MOUNT DROP & RISE / RATING GUIDE** (pg. 3) for more information on which attachment to select).
- **Attachment:** Insert the ball mount into the Shocker Hitch Frame.
- **Secure:** Use the 5/8" hitch pins and cotter pin clips provided to lock ball mount in place (Figure 15).

3. Setting Air Pressure

- **Load the Trailer:** Hook up your trailer and load it as you normally would for travel.
- **Inflate:** Add air using an air compressor through the valve. The valve stem on this Trail Force Hitch is below the airbag. As pressure increases, the hitch will begin to pivot (Figure 16).
- **The "Sweet Spot":** Stop adding air once the main frame lightly compresses the truck side bump cushion (see **PROPER AIR PRESSURE GUIDE** (pg. 2) for more details) (Figure 17).
- **Safety Notice:** NEVER exceed 100PSI, as this can damage the air bag or bushings.

(NOTE: Ensure you have connected your safety chains and electrical cord before towing!!) (Figure 18).



Figure 13: Shank inserted into receiver



Figure 14: Shank is secured with pin and clip



Figure 15: Ball mount installed and secured with hitch pins and clips



Figure 16: Filling up air bag using an air compressor on the valve stem

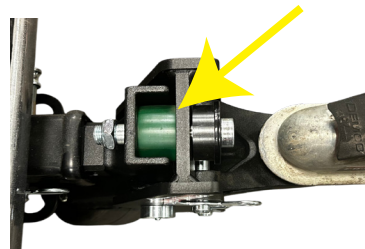


Figure 17: Truck side bump cushion compressed slightly showing proper air compression



Figure 18: Safety chains and electrical hooked up before towing

ATTACHMENT BALL MOUNT DROP & RISE / RATING GUIDE

•Please see the Gross Trailer Weight on the Shocker Hitch you had purchased. The tongue weight is 10% of the GTW, therefore, the towing mount is also a factor. The lesser rating of the mount you are using and the Shocker Hitch is the max towing capacity for the hitch. NEVER exceed the towing capacity on your towing vehicle, or Shocker Hitch.

- COMBO BALL (SH-340C): 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 (SH-320125-2 & SH-320125-25): 4-1/2" Rise to 8-1/2" Drop | 2-5/16" ball rated at 20,000 lbs & 2" ball rated at 10,000 lbs
- RAISED BALL (SH-310125-2 & SH-310125-25): 2" Rise to 2" Drop | 2-5/16" ball rated at 20,000 lbs & 2" ball rated at 10,000 lbs
- PINTLE HOOK (SH-333): 2-1/2" Rise to 6-1/2" | 10-Ton - 20,000 lbs
- PINTLE HOOK / BALL COMBO (SH-334-2 & SH-334-25): 2-1/2" to 6-1/2" | 8-Ton - 16,000 lbs (2" ball rated at 10,000 lbs)
- DRAWBAR / CUSHIONED DRAWBAR (SH-350 & SH-370): 0" Rise to 4-1/2" Drop | 20,000 lbs (Note: 0 lbs TW)
- CLEVIS MOUNT (SH-360): 3-1/2" Rise to 5-1/2" Drop | 20,000 lbs
- SWAY BAR MOUNTS: Same rating as like type mounts listed above.

