

GENERAL INFO:

- Designed for use with Shocker Air Hitch, HD Air Hitch, Impact, Impact Max, and XR ball mount models
- Mounting plate and pintle can be inverted for more drop or rise (see Figures 1 & 2)



Figure 1: Pintle/Ball & Mount - Up/Higher



Figure 2: Pintle/Ball & Mount - Down/Lower

- Drop range for Shocker Air Hitches is 2-1/2" Rise to 6-1/2" Drop
- Drop range for Shocker ACushion & Solid Hitches is 6" Rise to 6" Drop

INVERTING PINTLE/BALL:

- To invert pintle/ball, using a 3/4" wrench, remove the four toplock nuts from assembly and invert mounting base or low position and reinstall nuts, torque each nut to 105 ft/lbs dry. Retorque of nuts after initial use is recommended



Figure 3: Mounting Bracket
(Part# SH-331)



Figure 4: Mounting Bracket
(Part# SH-336-2 or SH-336-25)
Available with 2" or 2-5/16" ball



Figure 5: Bolt Pattern on Pintle
1.75" x 3.375 (center to center)

Operation & load limits

SH-331 mounting plate with SH-336-2 or SH-336-25 | Ratings clarified September 23, 2026

Legacy bolt-on hardware only. These instructions do not cover the SH-333 channel-mount pintle hook or SH-334 pintle/ball attachments.

Operating the pintle hook

Before operating, inspect for proper operation, worn, damaged or missing parts, and secure mounting.

Open the latch by removing the safety pin; pull up on the lock while lifting the latch.

Position the drawbar eye over the horn of the pintle and lower it into place. Push the latch closed and insert the safety pin.

Operating the ball hitch

Before operating, inspect for proper operation, worn, damaged or missing parts, and secure mounting.

Open the latch by removing the safety pin; pull up on the lock while lifting the latch.

Position the ball coupler over the proper-size ball, push the latch closed, and insert the safety pin. Follow the coupler manufacturer's instructions for coupler usage.

Complete attachment limits with SH-331 plate

Operating mode	Maximum trailer weight (GTW)	Maximum tongue weight (TW)
Pintle mode (SH-336 series)	16,000 lb	2,000 lb
2-inch ball (SH-336-2)	12,000 lb	2,000 lb
2-5/16-inch ball (SH-336-25)	16,000 lb	2,000 lb

The legacy manual lists 3,000 lb maximum vertical load for the pintle component. That is not the complete attachment's tongue-weight rating. The SH-331 mounting plate limits the assembled attachment to 2,000 lb tongue weight; a lower-rated component reduces the permitted load further.

Safety notice

Towing capacity is limited by the lowest-rated component. Check gross trailer weight and tongue weight separately. Never exceed the ratings of the vehicle, receiver, hitch base, mounting plate, pintle or ball, trailer coupler, or trailer. Attachment ratings do not increase the hitch base or vehicle ratings.

Retain the original bolt-on installation, inversion, hardware and torque instructions on page 1. These ratings do not authorize substituting hardware from another attachment.