

Shocker Impact & Impact Max Receiver Hitch Instructions

Installation, setup, care and attachment drop/rise guide



IMPACT

14,000 lb GTW / 1,400 lb TW

2-inch or 2-1/2-inch receiver



IMPACT MAX

20,000 lb GTW / 2,000 lb TW

2-inch, 2-1/2-inch or 3-inch receiver

GTW = gross trailer weight. TW = tongue weight. Ratings shown are for current hitch bases. Follow the label on your actual equipment; a higher-rated attachment does not increase the base rating.

Install and set the height

1

Choose the correct connection.

Match the receiver size, attachment and trailer coupler. Measure the drop or rise needed with the vehicle and trailer on level ground (page 3).

2

Install the hitch base.

Insert the shank into the vehicle receiver and secure it with a 5/8-inch hitch pin (not included). The base can be upright for more drop or flipped for more rise (page 2).

3

Set the attachment height.

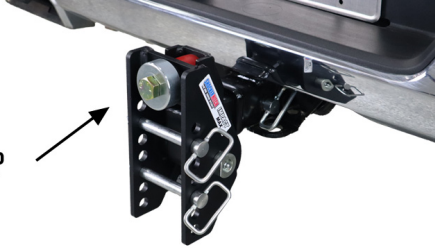
Use the seven adjustment holes to position the attachment. Install the attachment pins and retaining clips, connect the trailer and check that the trailer is level.

Note: Towing capacity is limited by lowest rated component. Never exceed the lowest applicable GTW or TW limit of the vehicle, receiver, hitch, attachment, ball or trailer. Follow the rating labels.

Use the correct orientation

UPRIGHT

- ALLOWS FOR MORE DROP



FLIPPED

- ALLOWS FOR MORE RISE



(DUAL BUMP CUSHION WORKS BOTH WAYS)

Upright or flipped

The Impact and Impact Max can be installed in either orientation. The available drop/rise range depends on the attachment; use the guide on page 3.

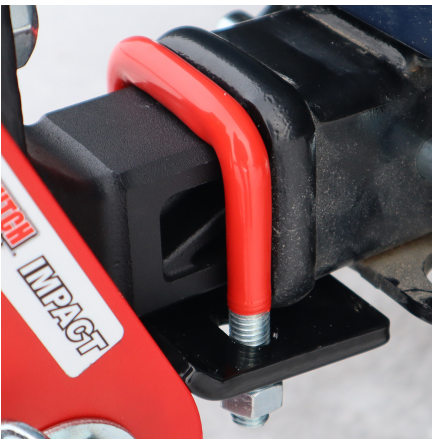
Seven height positions

Remove the retaining clips and attachment pins to change the attachment or height, then reinstall the pins and clips.

Factory-set top jam nut

Do not tighten the top jam-nut bolt. It is factory-set; overtightening can make the hitch ride more stiffly.

Anti-rattle kit: 2-inch Impact & Impact Max



The anti-rattle kit is included with both current 2-inch Impact and 2-inch Impact Max models.

1. Slide the hitch to the furthest shank adjustment hole.
2. Place the U-bolt over the top of the shank.
3. Align the bottom plate, install the two nuts and tighten.

Photo shows the Impact kit. Use the supplied kit for your model; this section covers the 2-inch models.

Care and support

Grease the coupler ball to reduce ball/coupler wear. Grease the hitch regularly through the grease zerk on the pivot bolt; frequency depends on use. Do not modify the hitch; modifications void the warranty and are at your own risk.

[Warranty](#) | [Online setup guide and installation videos](#)



Attachment drop, rise and tow ratings

GTW = gross trailer weight; TW = tongue weight. Attachment limits below are subject to the lower hitch-base and vehicle limits on page 1. Ratings are shown as GTW / TW in pounds.

Attachment	Available range	Maximum GTW / TW (lb)
Combo ball	4 in rise to 4 in drop	2-5/16 in ball: 20,000 / 2,000 2 in ball: 10,000 / 1,000
Drop ball	Level to 7-1/2 in drop	2-5/16 in ball: 20,000 / 2,000 2 in ball: 10,000 / 1,000
Raised ball	5 in rise to 3 in drop	2-5/16 in ball: 20,000 / 2,000 2 in ball: 10,000 / 1,000
Pintle hook (SH-333)	1 in rise to 6-1/2 in drop	20,000 / 2,000
Raised pintle hook (SH-335)	3-1/2 in rise to 4 in drop	20,000 / 2,000
Pintle & ball (SH-334 series)	1 in rise to 6-1/2 in drop	Pintle: 16,000 / 1,600 2-5/16 in ball: 16,000 / 1,600 2 in ball: 12,000 / 1,200
Drawbar / cushioned drawbar	4 in rise to 4 in drop	20,000 / 0
Clevis mount (SH-360)	1-1/2 in rise to 5-1/2 in drop	20,000 / 0

Note: Towing capacity is limited by lowest rated component.

Discontinued: Bolt-on pintle hook SH-331-332 is not a current mount option. For existing units and legacy bolt-on pintle/ball assemblies, follow their own labels and instructions.

Drawbar and cushioned drawbar: No tongue weight (0 lb vertical tongue load). Not for use with a hitch ball. **Sway-tab mounts:** Use the corresponding ball-mount ratings and range. **No ball mount:** A compatible, rated attachment is required.

Measure for a level trailer

On level ground, level the trailer. Measure A from the ground to the **top of the receiver opening**, and B to the **bottom of the trailer coupler**. A minus B gives the drop or rise needed.

A > B: drop needed. Example: 23 in - 19 in = **4 in drop**.

A < B: rise needed. Example: 20 in - 22 in = **2 in rise**.

A = B: level connection. Connect the trailer, then recheck and adjust for a level trailer.

[Drop/rise measuring guide](#) | [Impact product guide](#) | [Impact Max product guide](#)



Replacement parts for Impact hitches

Match the part number and your existing top hardware before ordering. Top pin kits and top bolt kits are separate selections. Use the product links below to select the correct kit for your hitch.

SH-160 | Replacement bump cushions

Pair of K-Prene urethane bump cushions for Impact and Impact Max cushion hitches.

[View SH-160 and select this replacement part](#)

SH-IM265-2025 | Standard top pin kit

Includes two bump cushions, a 3/4-inch top pin and lock nut. Bump cap is not included.

[View SH-IM265-2025 and select this replacement part](#)

SH-IM265 | Standard top bolt kit

Includes two bump cushions, a top bolt and lock nut. Bump cap is not included.

[View SH-IM265 and select this replacement part](#)

SH-IM265D | Deluxe top bolt kit

Includes two bump cushions, one bump cap, a top bolt and lock nut.

[View SH-IM265D and select this replacement part](#)

SH-280 | Greaseable pivot bolt kit - dowel-pin frame

Fits frames with a dowel pin. Includes pivot bolt, grease zerk, washer, lock nut and dowel pin.

[View SH-280 and select this replacement part](#)

SH-490-X | Greaseable pivot bolt kit - welded-tab frame

Fits frames with a welded tab. Includes pivot bolt, grease zerk, washer and lock nut.

[View SH-490-X and select this replacement part](#)

Confirm the model and existing hardware before ordering. For help, call 701-707-2666 with a photo of your hitch. [Replacement-parts catalog](#) | [Contact Shocker Hitch](#)

Popular receiver-hitch attachments



Combo ball

2-inch and 2-5/16-inch balls in one attachment. Match the ball to the trailer coupler and use the selected ball rating on page 3.

[Combo ball options](#)



Pintle & ball

SH-334 series; shown with 2-5/16-inch ball. Choose the correct pintle-ring or ball-coupler connection and rating on page 3.

[Pintle & ball options](#)

Optional Shocker Sway kit upgrade

A friction sway arm bar kit can help reduce trailer sway. It requires a compatible ball-mount attachment with sway bar mounting tabs. Sway arm kits and sway-tab attachments are sold separately.

Choose a [combo ball with sway tabs](#), [drop ball with sway tabs](#) or [raised ball with sway tabs](#) for this upgrade. The standard attachments pictured above do not have sway mounting tabs.

Follow the separate Shocker Sway instructions for installation, adjustment and operating precautions. Do not use with trailer surge brakes. Never lubricate the friction slide bar. Follow the manual's removal precautions for slippery conditions and backing clearance.

[Optional Sway Kit Upgrade Installation Instructions \(PDF\)](#)
[Shocker friction sway arm bar kits](#)