



## *Star Performance Gooseneck Trailer Hitch*

The Star “swing-arm” coupler is easy to install and maintain. It replaces the standard 2 5/16” ball coupler on your trailer. Standard coupler is 4” round tube. Measure distance from bottom of existing coupler to receiver tube. Measure from bottom of Star Hitch same distance and mark tube. Using this measurement will keep your trailer at same towing height.

### Follow these steps:

1. Mark installation distance. (**Caution:** Star Hitch GVW rating is based on 8” or less of tube exposure. Consult dealer or factory if you have more than 8” below receiver tube.)
2. Loosen lock nuts and set bolts and remove standard ball coupler.
3. Install Star Hitch in receiver tube with swing box parallel with direction of travel.
4. Tighten set bolts. Double check that box is parallel with direction of travel.
5. Securely tighten set bolts and lock nuts with hitch in proper position.
6. Place coupler in “Lock Open” position. Back towing vehicle under ball coupler.
7. Lower trailer onto ball and move Lock lever to “Close” position. **Caution:** Never operate vehicle until coupler is securely locked and safety chains are secured.
8. **Caution:** Before operation ensure there is proper clearance for movement of Star Hitch in all directions. Hitch movement during operation will allow trailer to move ahead and back on pendulum arms. **Caution:** Forward hitch movement will bring nose of trailer closer to towing vehicle cab.

Standard Star Performance Gooseneck trailer hitch is built with 16” long 4” round tube. Custom sizes, lengths, and options are available: 3 ½“, 4 ½” round; 4” and 4 ½” square tube; Offsets for short box; Extended couplers for flatbed towing vehicles; angled pipe, Kingpin bottom in lieu of coupler, etc.

LUBRICATION: 6 Grease zerks: One each on outside caps: one each on swing arm bushing (under housing) Recommend lubrication every 2,000 miles.

Consult your dealer or the factory about your custom application needs.