



TM

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Installation Instructions

Model 107 Chevrolet / GMC

Fits 2007 - 2009
1500 Series Only



Model 107 6/09

FOR THE SAFEST INSTALLATION

WARNING Most pick up trucks have **FUEL LINES** and/or **BRAKE LINES** and/or **ELECTRICAL WIRING** positioned along the truck frame rails where your Flip-Overhitch will install. **BEFORE INSTALLATION** identify and examine the location of fuel lines, brake lines and electrical wires. Be sure you will not damage fuel lines, brake lines or electrical wiring when positioning the hitch components, drilling holes or tightening fasteners. **Be Certain To Avoid Fuel Tanks When Drilling Holes.**

- Wear Safety Glasses, Gloves and Particle Mask for protection while installing a PopUp gooseneck hitch.
- ALWAYS correctly chock tires prior to raising truck with jacking device. For protection in case of jacking device failure ALWAYS use Jack Stands when working under or around a truck which has been raised by a jacking device.
- Be certain the exhaust system is cool prior to installation to avoid possible burns from hot tail pipe and muffler.
- Torque ALL fasteners used in the PopUp gooseneck hitch installation as specified in these Installation Instructions.

INSTALLATION PROCEDURE

WARNING: Verify adequate trailer swing clearance between trailer nose and cab of truck, and trailer and rear of truck.

1. Mark and center punch a location from the rear lip of the truck bed (tailgate end) centered between the wheel wells for the **specific truck** the hitch is being installed in, as stated below:

Short Bed Trucks 44"

Long Bed Trucks 48"

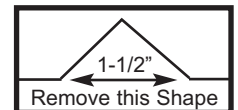
Center a hole in this location using a 3" hole saw. Smooth the hole with a file and clean all saw tailings from the bed area before proceeding.

2. Remove the spare tire. If using a vehicle hoist, raise the truck at this time. If using a jacking device Chock the front tires to prevent the truck from rolling. Jacking against the rear bumper or frame, lift the rear of the truck approximately 10". It is not necessary to lift the rear tires off the ground. Properly position jack stands under the rear frame of the truck to protect against jack failure.

3. Remove the entire exhaust heat shield or cut and remove the portion between the bed cross members where the hitch will install. Replace any screws used to secure any sections of heat shield not removed.

4. Identify the Rear Cross Member 1" X 2" bar (1). Pass it through the driver side wheel well across the top of the frame rails with the thread ends of the press fit bolts facing forward and with the bar oriented with the press fit bolts nearest the bottom side. Center the Cross Member across the frame rails 3" behind the 3" hole.

5. To install the Front Cross Member it is necessary to cut a notch in the lip above the frame where the inner fender and bed floor join. Cut and remove a notch as shown in the illustration 4" ahead of the truck bed sill cross member ahead of the axle where the hitch will install. Pass the Front Cross Member (2) over the frame through the notch and position across the frame rails with the plain side forward and with the hole side facing the rear of the truck. Center the Cross Member across the frame rails and 6" ahead of the 3" hole.



6. With the ball down and the cam facing the front of the truck, raise the Ball Assembly into position between the Cross Members with the protruding tube fitting in the 3" hole. Fit the bolts in the rear crossmember into the holes in the center section. With the provided eye bolt threaded into the top of the ball, use an overhead lifting device, or a saw horse in the bed of the truck, and cable or rope to hold the Center Assembly firmly against the underside of the bed floor.

(over)

INSTALLATION PROCEDURE - CONTINUED

7. Fasten the Center Assembly to the Rear Cross Member using washers and 1/2" nuts. Slide the Front Cross Member rearward and fasten it to the Center Assembly with 1/2" X 1-1/2" bolts and 1/2" nuts. Tighten the fittings in the Front Cross Member. Leave the fittings in the Rear Cross Member very loose at this time. Square the assembled Cross Members and Center Assembly across the frame.

8. Identify the driver side (4, with labels) and passenger side Frame Plates. Position the rearward Frame Plate tang over the bolts pressed in the Rear Cross Member and pass a 1/2" X 1-1/2" bolt through the Front Cross Member and fasten to the forward Frame Plate tang with a flat washer and nut. Use a flat washer and nut to fasten to the rearward extension. Tighten Rear Cross Member only.

9. Secure the Frame Plates to the frame with the 4 5/8" u-bolts, one on each side. Insert the short end (with nut) of the angle nut bracket thru the 3/4" slotted hole on the inside of the truck frame. Secure with 1/2" bolt.

10. **Torque 1/2" fasteners to 65 foot pounds** in the following sequence: First the Cross Members to Center Assembly, then the Cross Members to the Frame Plates, and last the Frame Plates to the truck frame.

11. From the driver side, pass the Actuating Rod (6) through the 1/2" slotted hole between the Frame Plate extensions and into the linkage coupler. Align the Actuating Rod so the set screw seats in the hole provided in the rod, and tighten to 15 foot pounds.

12. Drill four 1/2" holes for the Safety Chain Brackets from under the truck bed. Drill through the two pairs of holes in the Center Assembly that are **nearest to the hitch ball**. Place a U-bolt in each pair of holes from the top side of the bed. From under the bed place a spring and 1/2" nut on each U-bolt leg. Tighten each nut until thread extends through the nut.

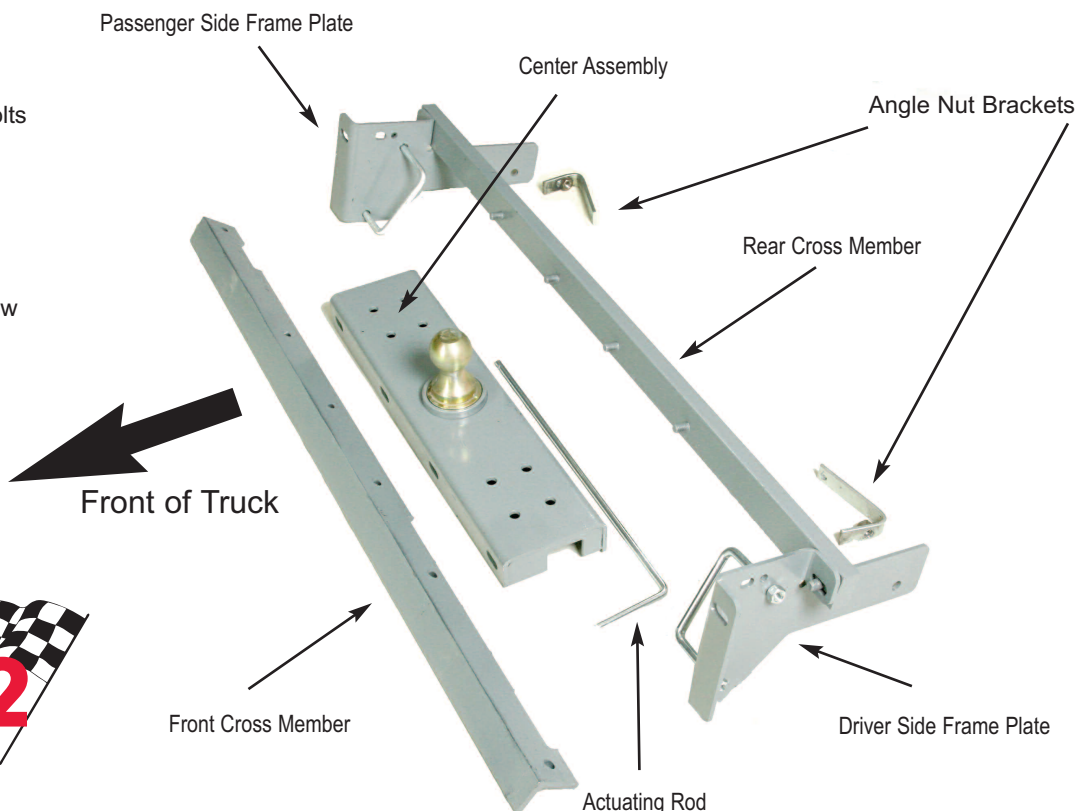
13. Retract the Retaining Pin by rotating the Actuating Rod 90 degrees counter clockwise. Place the Flip-Over ball in the Socket. Rotate the Actuating Rod 90 degrees clockwise to engage the Retaining Pin.

14. Keep the base of the Flip-Over ball lightly lubricated with lithium grease.

15. Please read the **SAFE TOWING INSTRUCTIONS** on the PopUp WARRANTY sheet.

HARDWARE PROVIDED

- 8 - 1/2" X 1-1/2" Grd. 8 Bolts
- 16 - 1/2" Lock Nuts
- 12 - 1/2" Flat Washers
- 2 - Angled Nut Holders
- 2 - 4 5/8" U-Bolts
- 2 - Safety Chain U-Bolts Assemblies
- 1 - 1/4x20 x 3/8" Set Screw
- 1 - Eye Bolt
- 1 - Plastic Cap



Model Number 107
Gross Trailer Weight: 30M lbs.
Gross Trailer Tongue Weight: 7.5M lbs.

US Patent 6,447,000