

Model 118  
Chevrolet / GMC

1999-2008: 1500, 1500HD, 2500, 2500HD, 3500

Long And Short Bed



**PopUp**™

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US Patent 6,447,000

**MODEL 118** 8/07 **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 PopUp hitch will install. **BEFORE INSTALLATION** identify and examine the location of fuel lines, brake lines and electrical wires. Do not damage fuel lines, brake lines or electrical wiring when positioning PopUp hitch components, drilling holes or tightening fasteners. **Avoid Fuel Tanks When Drilling Holes.**

- Wear Safety Glasses, Gloves and a Particle Mask while installing a PopUp gooseneck hitch.
- ALWAYS correctly chock tires prior to raising truck with jacking device.
- ALWAYS use Jack Stands when working under or around a truck which has been raised by a jacking device.
- Allow the exhaust system to cool prior to installation to avoid possible burns from hot tail pipe and muffler.

**INSTALLATION PROCEDURE**

**CAUTION:** If larger after-market wheels and/or tires have been installed verify adequate Actuating Rod clearance.

**CAUTION:** Before mounting **SNOW CHAINS** verify adequate Actuating Rod clearance. Allow for suspension travel.

**CAUTION:** Verify adequate trailer swing clearance between trailer nose and cab or 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 (**1500, 1500HD, 2500, 2500HD**)      45-7/8" (45.875")

Long Bed Trucks (**2500, 2500HD & 3500**)                      51-1/8" (51.125")

Center a 3" 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. Also, on 2500HD and 3500 trucks cut 1" off of the top of the rearward 4" of the metal shield that protects the fuel tank. This will provide adequate clearance for the Ball Assembly (3).

4. It is necessary to remove part of the vertical 1" lip that is formed where the driver side fender well and the bed floor join. Hold a Frame Plate against the truck frame so the offset bends in the Frame Plate fit the offset bends in the frame, and with the Frame Plate touching the underside of the bed floor. Mark a section of the 1" lip the width of the bent extensions on the Frame Plate where the Cross Members will mount. Use a muffler cutter or sawsall to make vertical cuts approximately 7/8" deep. Fold the lip between the cuts inward and upward flush against the bed floor. Smooth the cut edges.

5. 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 bar oriented with the **threaded holes nearest the bottom side**. Center the Cross Member across the frame rails 3" behind of the 3" hole.

6. Pass the Front Cross Member (2) across the frame rails similarly with the plain side up and facing the front. Center the Cross Member across the frame rails and 7" ahead of the 3" hole.

7 With the ball down, and with the cam facing the rear of the truck, raise the Ball Assembly (3) into position between the Cross Members with the protruding tube fitting in the 3" hole. On 3500 Diesel trucks pop the rubber donuts off the tail pipe and pull the tail pipe down and over for clearance to install Ball Assembly. Fit the holes in the rear leg of the channel over the bolts in the Rear Cross Member. Place the Eye Bolt (provided) in the threaded hole in the top of the hitch ball and secure it to an overhead lifting device, or to a saw horse in the bed of the truck, and use cable or rope to hold the Ball Assembly firmly against the underside of

*continued*

## INSTALLATION PROCEDURE - CONTINUED

the bed floor. Fasten the Ball Assembly to the Cross Members using 1/2"bolts and nuts with flat washers over the slotted holes. **DO NOT use washers on the two round center holes in the Rear Cross Member.** Tighten the fittings in the Rear Cross Member only at this time.

8. Identify the driver side (4, with labels) and passenger side Frame Plates. Fasten the side plate to the crossmembers. 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 1 1/2" bolt to fasten to the rearward extension. Tighten Rear Cross Member only.

9. Fasten the Frame Plates to the frame by passing a 3/4" bolt with a flat washer through the slotted hole from inside the frame and securing using a flat washer and nut. Drill 1/2" holes in the truck frame through the 1/2" hole located in the Frame Plates between the extensions. Use the upper hole for 1500, 1500HD and 2500 Light Duty trucks. Use the lower hole for 2500HD and 3500 trucks. CAUTION: Avoid fuel tank, brake lines and/or wiring. Pass 1/2" X 1-1/2" bolts with flat washers from inside the frame and secure with flat washers and nuts. Do not fully tighten at this time.

10. Tighten the fasteners holding the Front Cross Member to the Ball Assembly. Tighten the fasteners holding the Frame Plates to the frame and tighten the fasteners holding the Cross Members to the Frame Plate tangs. **Torque all fasteners to 65 foot pounds.**

11. Pass the Actuating Rod (6) through the slotted hole between the Frame Plate extensions and into the linkage coupler. Align the Actuating Rod and secure using the 1/4" bolt. Seat the bolt in the hole in the rod, and tighten to 7 foot pounds.

12. Drill four 1/2" holes for the Safety Chain anchors through the pairs of holes closest to the ball in web of channel from under the truck bed. 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" lock nut on each U-bolt leg. Tighten each nut until thread extends through the nut.

13. Be certain all hitch fasteners are torqued as specified in these installation instructions.

## HITCH BALL OPERATION

**WARNING: ALWAYS WEAR GLOVES FOR PROTECTION WHEN RAISING OR LOWERING HITCH BALL.**

1. Read the **SAFE TOWING INSTRUCTIONS** on the PopUp **Warranty** sheet.
2. Raise and Retract the hitch ball with the Actuating Rod located in the driver side rear wheel well. Raise the hitch ball by firmly pulling the actuating rod to its maximum extension. **Note: Always make certain the Actuating Rod is Fully Extended and the Hitch Ball is Fully Raised before coupling to a trailer.** When the hitch ball is fully raised, a line cut around the neck of the hitch ball is visible at the tube. Retract the hitch ball by pushing the Actuating Rod to its seated position. (A sharp blow on the Actuating Rod will release the ball/detent latching the raised hitch ball so the Actuating Rod can be returned to its fully seated position.)
3. Retract and Raise the hitch ball frequently. The cam/ball mechanism is best lubricated with a spray of silicone lubricant.
4. Insert the Plastic Cap (provided) into the tube for protection from accumulation of debris. Plastic Cap will pop out when the ball is raised. Protection from debris can also be achieved by leaving the ball in the raised position when a level bed is not required.
5. It may be necessary to remove debris allowed to accumulate in the top of the tube while the hitch ball is retracted and not protected with the Plastic Cap. Insert the Eye Bolt in the ball and lift the ball using a screw driver to displace debris and free the ball.

### HARDWARE PROVIDED

- 16 - 1/2" x 1 1/2" Grd. 8 Bolts
- 10 - 1/2" Lock Nuts
- 12 - 1/2" Flat Washers
- 2 - 3/4" x 2" Grd. 5 Bolts
- 2 - 3/4" Nuts
- 4 - 3/4" Flat Washers
- 2 - U-Bolts W/springs and Nuts

**Model Number 118**  
**Gross Trailer Weight: 30M lbs.**  
**Gross Trailer Tongue Weight: 7.5M lbs.**

