

Installation Instructions

Model 111 Ford Super Duty

Fits 1999 - 2007
Long & Short Bed - 3/4 & 1 Ton



PopUp™

4330 Johnson Rd.
Chanute, KS 66720
800-837-8578
www.popuphitch.com
info@popuphitch.com
US Patent 6,447,000

MODEL 111_{9/06} 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. Be sure you will not damage fuel lines, brake lines or electrical wiring when positioning PopUp 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

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 clearance between trailer and both cab of tow vehicle and rear of tow vehicle. Compensate for trailer swing during turing.

1. Mark and center punch a location 50.3125" (50-5/16") from the rear lip of the truck bed floor (tailgate end) centered between the wheel wells. Use a 3" hole saw to cut a hole in the bed floor centered at the correct location. Remove all saw tailings from the bed area before proceeding. **Note: 50.3125" (50-5/16") is the preferred ball location for all Super Duty Ford trucks.**

Optional 4X4 Ball Location: If more clearance between the trailer nose and truck cab is required the ball may be located 47.4375" (47-7/16") from the rear lip of the truck bed floor **ONLY on four wheel drive trucks that have not been lowered.**

Note: For this optional ball location the notches in the Front Cross Member must be cut as deep as the notches in the Rear Cross Member. It is also necessary to bend the Actuating Rod as illustrated on the back of this sheet.

WARNING: This location allows the hitch to contact the differential if the suspension is collapsed resulting in significant damage.

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 heat shield located above the tail pipe at the rear axle. Replace the forward screws. Peel off ceramic shields.

On 2005 Diesel Trucks use the provided bracket and 5/16" X3/4" bolts and nuts to lower the REAR tailpipe hanger 2".

4. Identify the Rear Cross Member (1), the angle with the deepest notches. With the plain side (2" leg) up and with the slotted side (2-1/2") facing the front of the truck, slide the Cross Member across the frame rails from the driver side wheel well forward of the rear axle. Slide the Cross Member rearward onto the highest part of the frame rails. Position the Cross Member approximately square across the frame rails and about 6" behind the hole in the bed floor.

5. Slide the Front Cross Member (2) across the frame rails similarly, with the plain side (2" leg) up and with the slotted side facing rearward. Position the Forward Cross Member about 3" forward of the hole in the bed floor.

6. With the ball down, and with the cam facing the front of the truck, raise the Ball Assembly (3) into position between the Cross Members placing the 3" tube in the hole cut in the bed floor. 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 the bed floor. Fasten the Ball Assembly to the Cross Members by passing eight 1/2" X 1-1/2" bolts from inside the Ball Assembly channel, and fitting with a flat washer over the slotted holes *only* and nut in the Cross members. Leave these very loose at this time.

7. Remove the Emergency Brake Cable Bracket from the frame located on the driver side. Knock the mounting stud out of the frame rail.

8. Square the assembled Cross Members and Ball Assembly across the frame. Identify the driver side (4, with labels) and pas

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INSTALLATION PROCEDURE - CONTINUED

senger side (5) Frame Plates. Place a 5/16" Carriage Bolt in the driver side Frame Plate to use for the Emergency Brake Cable Bracket. Mount the Frame Plates on the outside of the truck frame rails by passing a 3/4" X 2-1/4" bolt with flat washer from inside the truck frame through the forward slotted hole in the truck frame. Insert two 1/4" spacer washers between the outside of the truck frame and the Frame Plate, and complete the fastening with a 3/4" nut outside the Frame Plate. Do not fully tighten at this time. This will position the Frame Plate extensions between the Cross Members. Pass 1/2" X 1-1/2" bolts with flat washers from the slotted holes in the Frame Plate extensions. Secure with 1/2" nuts. Do not fully tighten at this time. Place a 3/4" X 2" bolt in the 3"X 5" Plate washer. With the Plate washer held in its vertical position, pass it and the bolt from inside the truck frame rail through the large hole in the frame and the rear hole in the Frame Plate. Complete this connection using a flat washer and 3/4" nut outside the Frame Plate. With both Frame Plates installed, again square the assembly across the truck frame. Torque **ALL** the 3/4" and 1/2" fasteners to 65 foot pounds.

9. From the driver side, pass the Actuating Rod (6) through the 1/2" hole between the Frame Plate extensions and through the slotted hole in the end of the Ball Assembly and into the linkage coupler. Align the Actuating Rod so the set screw seats in the hole provided in the rod, and tighten to 7 foot pounds.

10. Place the Emergency Brake Cable Bracket on the 5/16" carriage bolt in the Frame Plate and secure with the 5/16" nut.

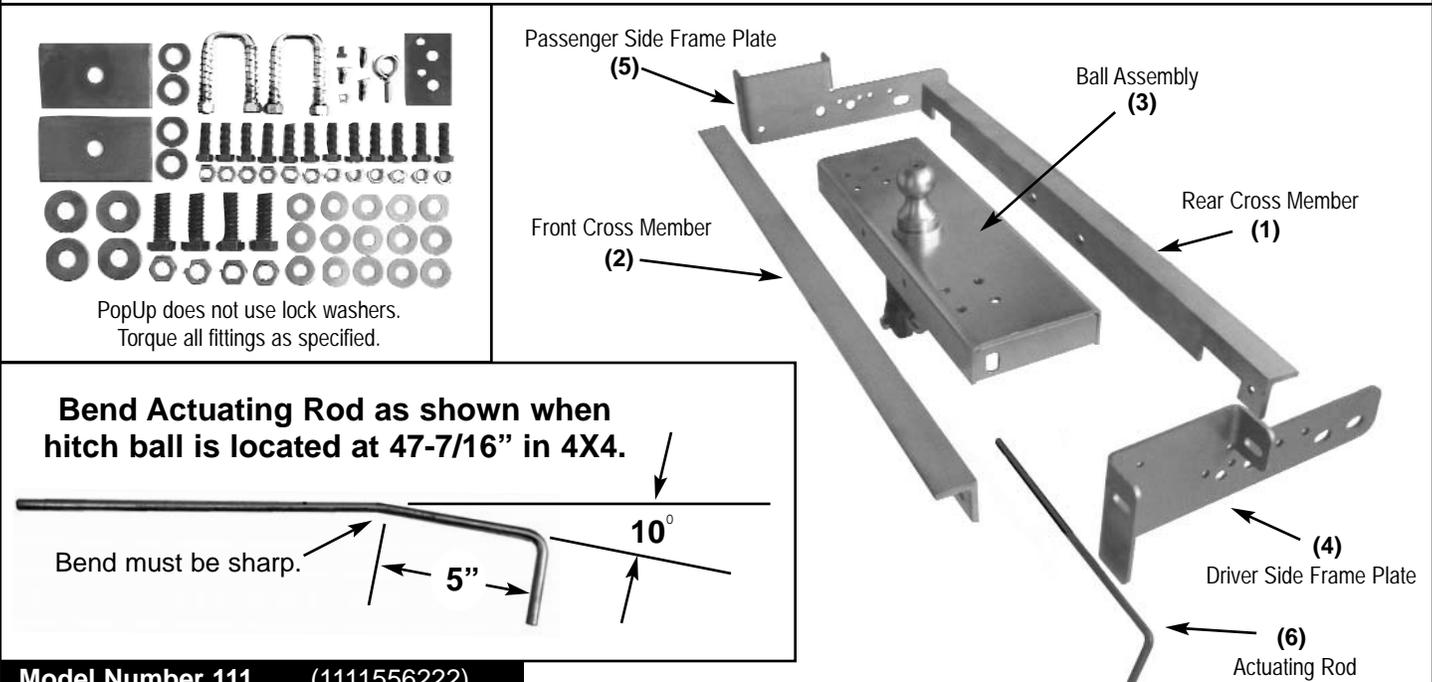
11. Drill four 1/2" holes for the Safety Chain Brackets from under the truck bed. Drill through the **OUTER** four 9/16" holes in the Ball Assembly through the truck bed floor. Remove all tailings. Place a U-bolt in each pair of holes from the top side of the bed. From under the bed place a spring and 1/2" lock nut on each U-bolt leg. Tighten each nut until thread extends through the nut.

12. 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 your **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 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. Never tow without latching the trailer coupler and attaching safety chains. Retract the hitch ball by pushing the Actuating Rod to its 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 in the top of the tube when the ball is retracted. The 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.



Model Number 111 (1111556222)
Gross Trailer Weight: 30M lbs.
Gross Trailer Tongue Weight: 7.5M lbs.