Installation Instructions

Model 112
Ford Light Duty

Fits 1997- 2003
Long & Short Bed - 1/2 & Lt.3/4 Ton

PopUp® Towing Products

MODEL 112 11-2010 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 to protect eyes while installing a PopUp gooseneck hitch.
- Wear Gloves to protect hands while installing a PopUp gooseneck hitch.
- Wear a Particle Mask to protect respiratory tract 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.
- If the truck you are installing the hitch in has been recently operated, allow the exhaust system to 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 Installation Instructions.

INSTALLATION PROCEDURE

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

1. Mark and center punch a location 47-15/16” from the rear of the truck bed centered between the wheel wells. Use a 3” hole saw to cut a hole in the bed floor centered at this location. Remove all saw tailings from the bed area before proceeding.

2. 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. Remove the spare tire.

3. Identify the Front Cross Member (2), the longer angle. With the plain side (2” leg) up and with the slotted side (2-1/2”) facing the rear of the truck, slide the Cross Member across the frame rails from the driver side wheel well forward of the rear axle. Position the Cross Member about 4” forward of the hole in the bed floor. Position the Cross Member approximately square across the frame rails and about 6” behind the 3” hole in the bed floor.

5. Slide the Rear Cross Member (1) across the frame rails similarly, with the plain side (2” leg) up and with the slotted side facing forward. Position the Rear Cross Member about 4” rearward of the 3” hole in the bed floor.

6. Orient the Center Section so the end of the slide that attaches to the pull rod is toward the drivers side 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 1-1/4” bolts from inside the Ball Assembly channel, and fitting with a flat washer and nut over the slot holes in the Cross members. Do not fully tighten at this time.

7. Cut or nip off the plastic fasteners which protrude through the frame rail on the driver side. Square the assembled Cross Members and Ball Assembly across the frame. Mount the Frame Plates (4 & 5) on the outside of the truck frame rails by passing a 1-1/4” bolt with flat washer from inside the truck frame through the existing frame hole that aligns with the hole at the rear of the Frame Plate. Fasten with a 1/2” nut. Pass a 3/4” bolt from inside the frame through the large hole at the forward end of the Frame Plate and fasten with a flat washer and 3/4” nut. Do not fully tighten at this time. This will position the Frame Plate extensions between the Cross Members. Pass 1-1/4” bolts with flat washers from the slotted holes in the Frame Plate extensions. Secure with 1/2” nut. Torque all 1/2” and 3/4” fasteners to 65 foot pounds.

8. At locations 4” forward and 4” rearward of the 1/2” Actuating Rod hole in the driver side Frame Plate, make vertical cuts the full depth of the lip where the bed side and the fender well join. Fold the lip section between the two cuts inward and upward to a position level with the bottom of the bed floor. (Use vise-grips and/or a prying bar levered against the top of the Frame Plate.)

(over)

INSTALLATION PROCEDURE - *CONTINUED*

9. 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.

10. 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.

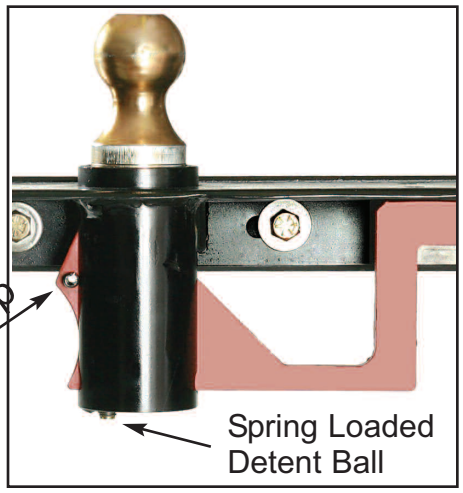
IMPORTANT! Both Cross Angles must both rest on the truck frame.

IMPORTANT!

The final step is to raise the ball and check the position of the slide from under the truck.

When the ball is fully raised, the Roll Pin Stop should be against the ball tube. This allows the Detent Ball to lock the slide in place and positions the ball over the flat surface at top of the slide.

In this position it is impossible for the ball to retract without manually pushing in the handle.



Please read the **Safe Towing Instructions** on the **PopUp Warranty** Sheet.

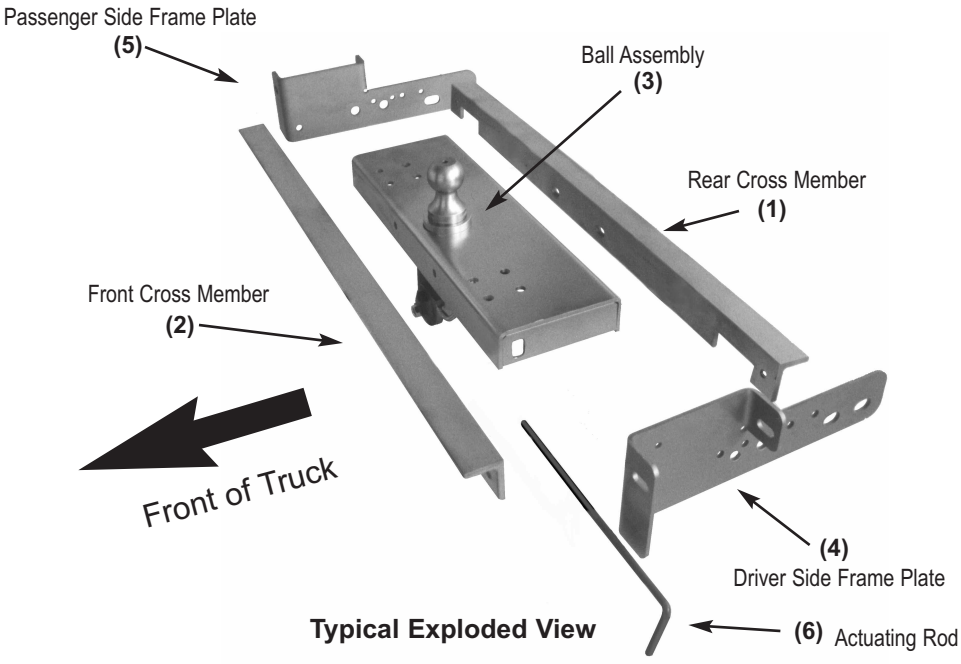
HARDWARE PROVIDED

14 - 1/2” X 1-1/4” Grd. 8 Bolts
18 - 1/2” Lock Nuts
17 - 1/2” Flat Washers
2 - 3/4” Lock Nuts
2 - 3/4” Washers
2 - 3/4” x 1 1/2” Hex Bolts
2 - Safety Chain U-Bolts
1 - Eye Bolt
1 - Plastic Cap
4 - Springs for U-Bolts

Torque Specifications

3/4” HexBolts 70 ft. lbs.
1/2” Gr 8 Bolts - 65 ft. lbs
5” U-Bolts - 50 ft. lbs

PopUp® Towing Products



Typical Exploded View

Model 112
Gross Trailer Weight 30M lbs.
Gross Trailer Tongue Weight 7.5M lbs.

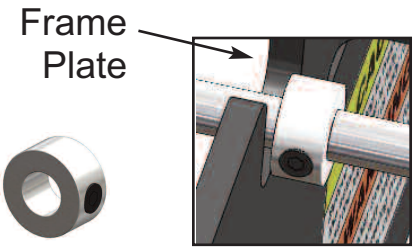
MADE IN U. S. A.

IMPORTANT!

Before installing the actuating rod place the indicator / lock collar on the rod toward the bend for the handle.

As a last step firmly pull the handle to raise the ball, verify that the Roll Pin Stop is against the ball tube. Then slide the indicator / lock collar against the outside of the frame plate and secure it in this position using a 1/8" allen wrench.

With the indicator / lock collar in place raise the actuator rod slightly and push in to lower the ball. To raise the ball raise the handle and pull the actuator rod out till the indicator / lock collar clears the frame plate. This gives a positive indication that the ball is fully raised and is ready for towing.



Pop up® Towing Products