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Installation Instructions

PopUp Model 108 Ford Super Duty

Fits 08-16 (F250,F350,F450) (2WD, & 4WD)
99-07 (F250,F350) (4WD Only)



www.popuphitch.com

FOR THE SAFEST INSTALLATION

11/15

WARNING Most pick up trucks have **FUEL LINES** and/or **BRAKE LINES** and/or **ELECTRICAL WIRING** positioned along the truck framersails where your under-bed 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 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 under-bed gooseneck hitch.
- ALWAYS correctly chock tires prior to raising truck with jacking device. For protection ALWAYS use jack stands when working under or around a truck that 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 under-bed gooseneck hitch installation as specified in these Installation Instructions.
- **READ ALL SAFETY AND WARNINGS ON THE LAST PAGE OF THE PROVIDED INSTRUCTIONS.**

INSTALLATION PROCEDURE

WARNING: Verify adequate trailer swing clearance between trailer nose and cab of truck, and trailer and rear of truck. READ spray in bed liner warning on last page.

1. For both **Short and Long Bed trucks**, Center the Hole in the Truck Bed Floor at **46 1/8"** from the rear lip of the truck bed floor. Center the hole between the wheel wells, drill hole using a **3" hole saw**. Smooth hole edges with a file after sawing and clean all tailings from the bed area.
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. Lift the rear of the truck approximately 10". **It is not necessary to lift the rear tires off the ground.** Always position jack stands under the rear frame of the truck to protect against jack failure.
3. Install the **Rear Crossmember** (the rear angle has a small notch cut out for extra clearance above the exhaust). Slide the angle across lowest part of the frame forward of the hole. Then slide it in position behind the hole. The leg with the holes goes toward the front. Use an adjustable wrench to turn it upright so the leg with the holes is vertical with the flat leg on top as pictured.
4. Slide the **Front Cross Member** across the frame rails forward of the hole for the ball, with the plain side forward and the leg with the holes facing rearward.
5. Position the Center Assembly with the pull rod coupling on the drivers side. Screw the 3/8" eye bolt into the top of the ball, raise the Center Assembly into position under the truck bed with the ball tube passing into the 3" hole. 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 - **not so tight as to bow the floor of the truck bed.** On some trucks you need to release the rear tailpipe hanger and pull the tail pipe down, install the Center Section then refasten the hanger.
6. Fasten the Center Assembly to the Front and Rear Cross Member with 1 1/4" x 1/2" bolts, use flat washers on the oval holes. **Pull the slack out of the bolts but do not tighten at this time.** Square the assembled Cross Members and Center Assembly across the frame.
7. Fasten the Crossmembers to the Frame Plate tangs using 1 1/4" x 1/2" bolts with flat washers and lock nuts. **Pull the slack out of the bolts but do not tighten at this time.** Fasten frame plates to the frame by passing a 3/4" bolt with washer from inside the truck frame through the 3/4" hole in the frame plate and secure with 3/4" nut. **Do not tighten at this time.**

Install the U-bolts from the inside of the frame with the legs angled down. **Do not tighten at this time.**

CAUTION: Avoid fuel tank, brake lines and/or wiring.

INSTALLATION PROCEDURE- CONTINUED

Follow the torque guidelines listed below. Tighten the bolts in the **following sequence.** **First** tighten the bolts holding the Center Section to the Cross Angles. Release the Center Section from the overhead lifting device. Check to ascertain that the cross angles are resting securely on the frame. **Next** tighten the Frame Plates to the frame, **then** Cross Members to the Frame Plate tabs, **Now** tighten the u-bolts. **The tabs on the frame plates may bend in slightly.**

8. Drill four 1/2" holes for the Safety Chain Brackets from under the truck bed. Drill through the four 9/16" holes in the Center Section 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.**

9. From the driver side, pass the Actuating Rod thru the 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 torque specifications.** Be certain the Actuating Rod moves in and out freely.

10. 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.

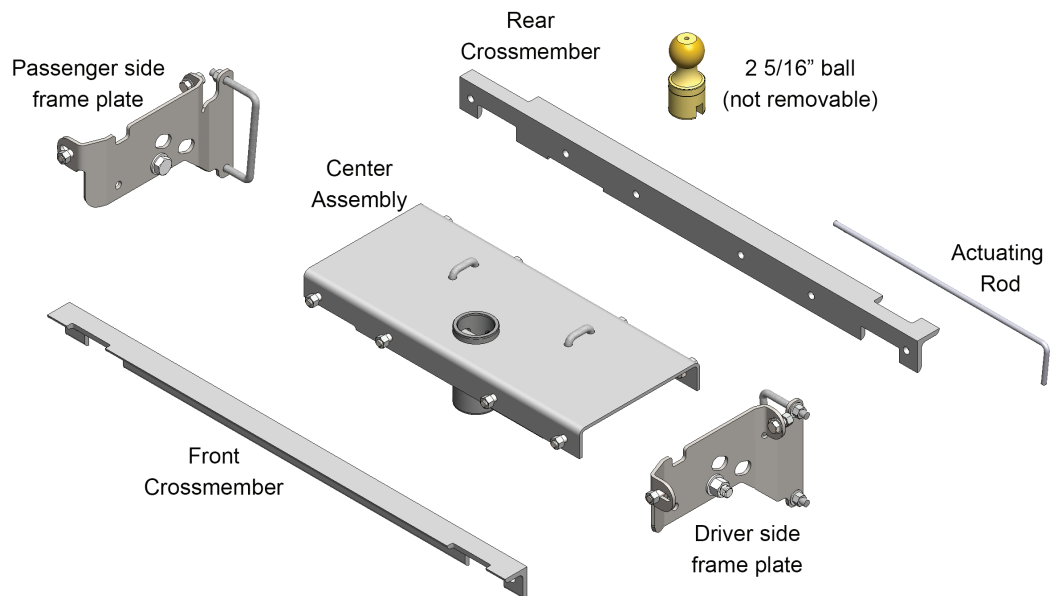
11. Please read the **SAFE TOWING INSTRUCTIONS** on the WARRANTY sheet. Fill out and return warranty card to us, or go online to www.popuphitch.com and fill out the online version.

Torque Specifications:

3/4" Bolts - 155 ft. lbs.
1/2" Bolts - 119 ft. lbs.
1/2" U-Bolts - 50 ft. lbs.
Actuating rod set screw - 15 ft. lbs.

Hardware Provided

12 - 1/2" X 1-1/4" Grd. 8 Bolts
20 - 1/2" Lock Nuts
8 - 1/2" Flat Washers
2 - 3/4" X 2" Bolts & Nuts
4 - 3/4" Flat Washers
2 - Safety Chain U-Bolts
4 - Springs
1 - 3/8" Eye Bolt
1 - Plastic Cap
2 - Slanted U-Bolts



Please call or email with questions.
Call us at 800-837-8578 or
email us at info@popuphitch.com

Model Number 108
Gross Trailer Weight: 30M lbs.
Gross Trailer Tongue Weight: 7.5M lbs.

PopUp[®]



READ ALL SAFETY AND WARNINGS BEFORE STARTING THE INSTALL

WARNING AND SAFETY INFORMATION, READ ENTIRELY BEFORE INSTALLATION.

Read all installation and operating instructions along with all labels before using this product.

PopUp Towing's under-bed hitches are standard with a 2-5/16" ball. Make sure the coupler on the trailer is designed for 2-5/16" ball. Using a larger size coupler could cause loss of attachment and cause serious injury.

Do not modify this product in any manner. Doing so could alter the integrity and proper use of the product causing serious damage or injury.

Do not exceed tow or tongue rating of coupler, tow or tongue rating of the hitch, or tow or weight ratings of the truck or trailer. See vehicle and trailer manufacturer information for proper ratings. Exceeding these ratings may cause damage to truck and/or trailer, or possible bodily injury.

Adding components such as a PopUp Towing under-bed gooseneck hitch to the chassis of any vehicle can be hazardous. There is potential for unexpected combustion of fuel, electric shock, burns, shifting or falling of unstable vehicle, damage to vehicle, injury from tool usage and many other hazards. This installation must be completed by someone who is aware of the hazards involved.

Always be sure the ball is properly latched into place while in the up or down position. Before hauling heavy loads make sure that your hitch will clear the truck's differential before hauling a load.

Cab clearance can be an issue with short bed trucks and limits towing on certain trailers. Failure to insure that there is adequate clearance before towing, may result in property damage, or serious injury.

IMPORTANT: The hitch is designed to install only at the location described in the included instructions. Failure to place the ball hole precisely may result in property damage or difficulty during installation.

Failure to follow the bolt tightening sequence and torque settings listed above may result in the hitch being misaligned which could affect the performance of the hitch, or result in property or bodily damage.

PopUp Towing Products assumes no responsibility for injury to self, or damage that may occur during installation. As always its best to have this product installed by an experienced installer.

CAUTION: If your truck is equipped with a spray in bed liner that covers the rear lip of the truck bed, make sure and add the thickness of the bed liner to the hole location measurement before drilling the hole.

