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## Installation Instructions

# Semi/Cab Chassis Hitch

Part# 205ST30K - 30,000 lb.

Part# 205ST45K - 45,000 lb.

Designed for trucks with 34" wide frames



[www.popuphitch.com](http://www.popuphitch.com)

FOR THE SAFEST INSTALLATION

5/13/22

**WARNING** Most pick up trucks have **FUEL LINES** and/or **BRAKE LINES** and/or **ELECTRICAL WIRING** positioned along the truck framersails where your 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 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 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: Always follow safe towing guidelines and stay within the weight ratings of your truck, trailer, and hitch connections. Always use safety chains.**

1. Locate the desired location for the hitch to be mounted and make sure nothing will interfere with the bottom side of hitch or the location of the mounting holes. Many installers will place behind the 5th wheel hitch on semi tractors, on other trucks keep over the rear axle or slightly forward of the rear axle when possible and room allows. Before drilling any holes make sure the hitch is all the way down against the frame of the truck.
2. Now mark the six bolt hole locations for mounting the hitch, then remove the hitch so its out of the way and center punch the six holes and **drill the holes to 13/16" diameter.** A stepper-bit will help during this process.
3. With holes drilled making sure all holes are clean and free of any rough edges, place the Semi-Hitch back onto the truck frame and line up the mounting holes. Place the 3/4" x 2" Grade 5 bolts through the holes and hand tighten with the supplied 3/4" nuts. **Tighten the bolts to a torque spec of 200 ft. lbs. each.**
4. Fit the Actuating Rod into the linkage coupler from the rear of the truck. Align the Actuating Rod so the set screw seats in the divot of the actuating rod, we recommend a small dab of low strength loctite on the set screw, then **tighten to 15 foot pounds, Be certain the Actuating Rod rotates moving the locking pin in and out freely.**
11. Retract the locking pin by rotating the actuating rod 90 degrees. Now place the removable ball in the ball socket. Rotate the actuating rod 90 degrees again to engage the locking pin.
12. Keep the base of the removable ball lightly lubricated with **lithium grease to prevent sticking.**
13. 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](http://www.popuphitch.com) and fill out the online version.



Model Number **205ST30K**  
Gross Trailer Weight: 30M lbs.  
Gross Trailer Tongue Weight: 7.5M lbs.  
Model Number **205ST45K**  
Gross Trailer Weight: 45M lbs.  
Gross Trailer Tongue Weight: 10M lbs.

### Hardware Provided

- 1 - Actuating Rod and set screw
- 6 - 3/4" -10 x 2" hex bolts gd. 5
- 6 - 3/4" hex nuts



(page 1 of 2)

**WARNING AND SAFETY INFORMATION, READ ENTIRELY BEFORE INSTALLATION.**

PopUp Towing's 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. 3" ball is also available.

Do not modify this product in any manner. Doing so could alter the integrity and intended 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 the semi/cab chassis 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.

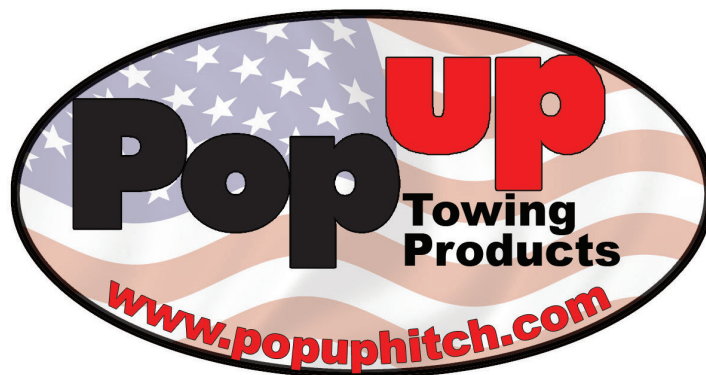
Always be sure the ball is properly latched into place while in the up or down position. Before hauling heavy loads make sure that your hitch will clear the truck's differential before hauling a load.

Cab clearance can always 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 in various locations from truck to truck.

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.

Please call or email with questions at 800-837-8578 or [info@popuphitch.com](mailto:info@popuphitch.com)



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Mfg. by  
**Young's  
Welding  
INC**

