



C-42 KIT FORD F-250/F-350 SUPER DUTY

WARNING!! BRAKE, FUEL, AND ELECTRICAL LINES MAY NEED TO BE LOOSENED OR REPOSITIONED TO PROVIDE CLEARANCE FOR NEW HARDWARE. ALL MODELS REQUIRE MODIFICATION OR REMOVAL OF HEAT SHIELDS

INSTALLATION STEPS

****REMOVE SPARE TIRE FOR INSTALLATION****

- 1) Remove the heat shield located above the rear axle, if equipped. The gas tank heat shield may also need to be cut along the top for some models.
- 2) Use a 9/16" socket to remove the emergency brake cable support from driver side frame.
- 3) On 2005 models loosen the (2) bolts on the exhaust hanger mount in front of the rear axle between the exhaust hanger and the truck bed. Lower the exhaust approximately 1/2", insert the 1/2" spacer block provided and retighten bolts.
- 4) On 2005 models remove rear exhaust hanger and install exhaust strap as shown in **Figure 2**. Lower exhaust as needed for cross arm clearance.
- 5) Install cross arms by sliding them into the gap between the truck bed and frame on passenger side. Swing other end between the truck bed and frame gap on driver side. **(Note: Holes in the cross arms must face each other as shown in Figure 1.)**
- 6) Hang the side plates from the 5/8" studs extending from the cross arms. Secure each plate with (2) 5/8" flange nuts provided. Finger tight only.
- 7) Align side plates with the 3/4" slot in the frame. Place the 3/4" hex bolt through washer, side plate, (2) 1/4" spacers, and frame as shown in **Figure 2**. Use a 3/4" flange nut to secure, finger tight only.
- 8) Reinstall the emergency brake cable supports on driver side using 3/8" hex bolts, washers, and flange nut.
- 9) Rotate the cross arms until they contact the truck bed. Center the rear cross arm studs in the side plate slots as shown in **Figure 3**. Use a 15/16" wrench to tighten the 5/8" flange nuts on the rear cross arm to the side plates. **(Note: Do not tighten front cross arm until center section installation is complete.)**
- 10) Using a 1/2" drill and the side plates as templates, center punch and drill the front hole on the side plate through the frame rails as shown. Install 1/2" hex bolts, washers, and secure with flange nuts as shown.
- 11) With side plates and rear cross arm secure, position the drilling template provided between the cross arms as shown in **Figure 2**. Attach the template to the cross arms using four 5/8" carriage bolts and flange nuts provided with the center section. Tighten the 5/8" flange nuts with a 15/16" socket. **(Note: Template must be positioned correctly based on application as shown in Figure 2.)**
- 12) **Be sure the cross arms are vertical to the truck bed before drilling!** Drill a 1/4" hole into the bed of the truck using the guide hole in the center of the template. Remove the template from the cross arms after the pilot hole has been drilled.

*****PREVIOUS RAPID INSTALL DIMENSION DOES NOT APPLY*****

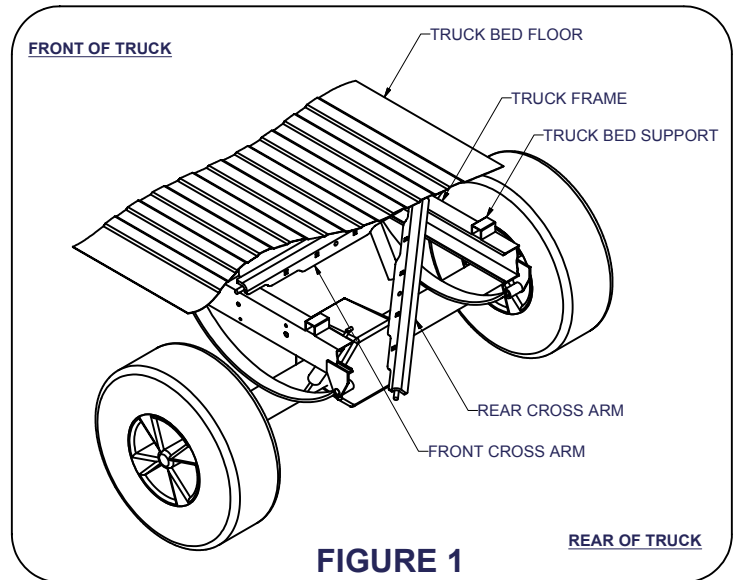


FIGURE 1

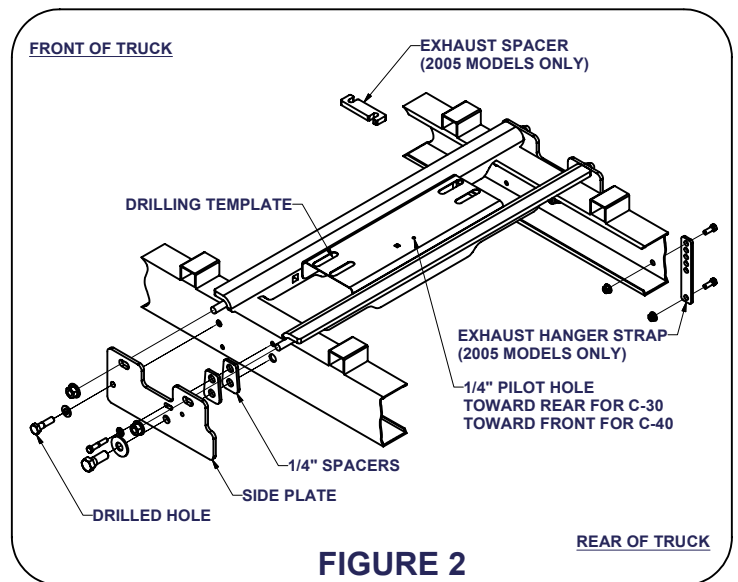


FIGURE 2

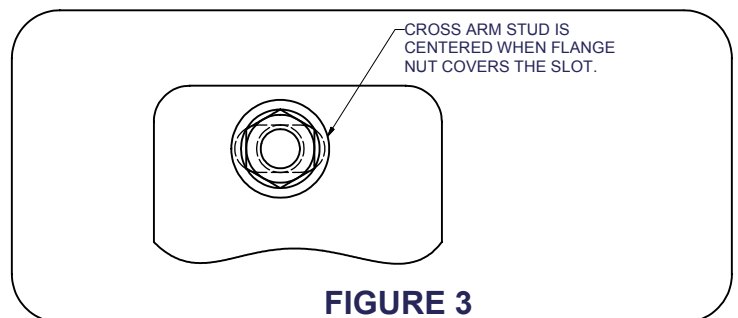


FIGURE 3

Curt Manufacturing Inc., warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, Curt Manufacturing Inc., may repair or replace the product, at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. Curt Manufacturing Inc.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage.



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INSTALLATION STEPS CONT.

- 13) From inside the truck bed, position the drilling template as it was under the vehicle in step 11. (See **Figure 4.**) To hold template position, place a 1/4" bolt thru the template and the new hole in the bed. Use a tape measure to square the drilling template by measuring from the tail gate end of bed to the template. Using a 5/8" drill bit, drill the center of each slotted hole in template. (**Note: Be sure the holes are drilled in the lower rib sections of the truck bed as shown in Figure 5.**)
- 14) From inside the truck bed use a 3 5/8" hole saw to drill thru the bed. Use the previously drilled 1/4" hole as the guide hole. Use a file to deburr any sharp edges.
- 15) At this time, follow the "Quick Goose" instructions for installation of the center section.
- 16) Torque all 3/4" fasteners to 200 lb-ft, all 5/8" fasteners to 150 lb-ft, and all 3/8" fasteners to 30 lb-ft. Re-attach fuel, brake, and electrical lines that may have been loosened or removed during installation.

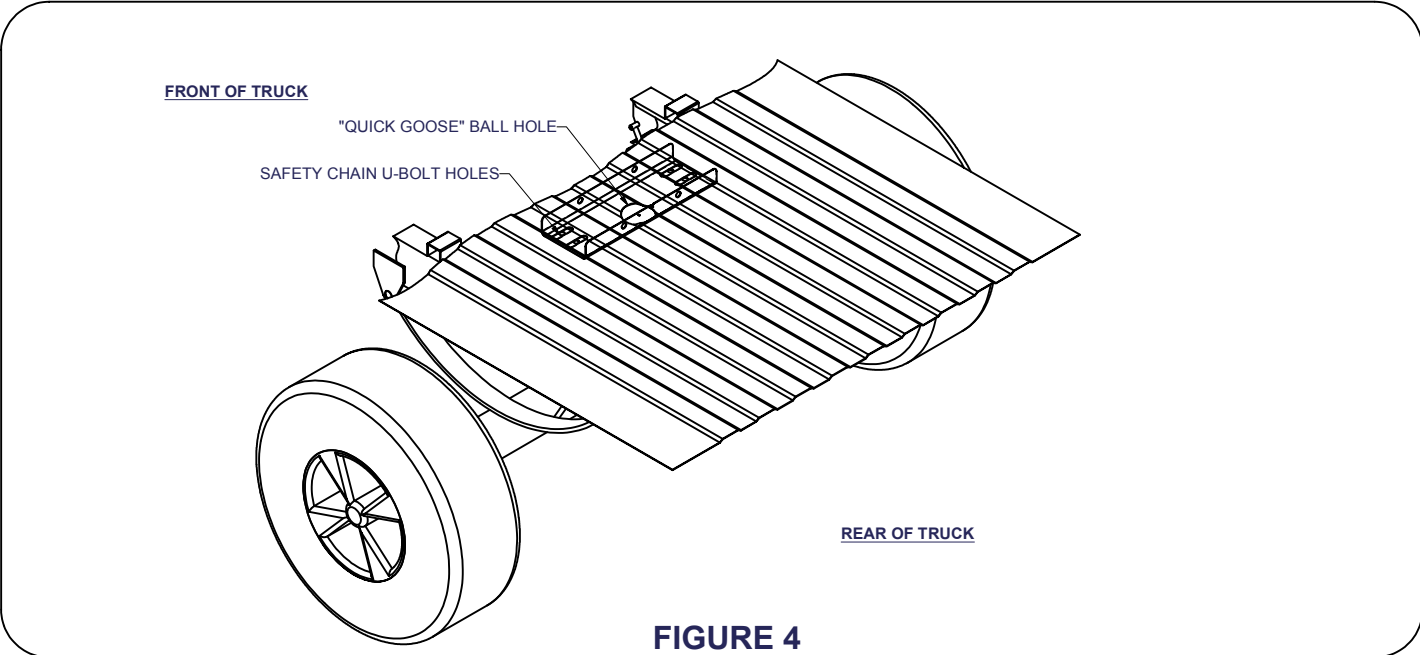


FIGURE 4

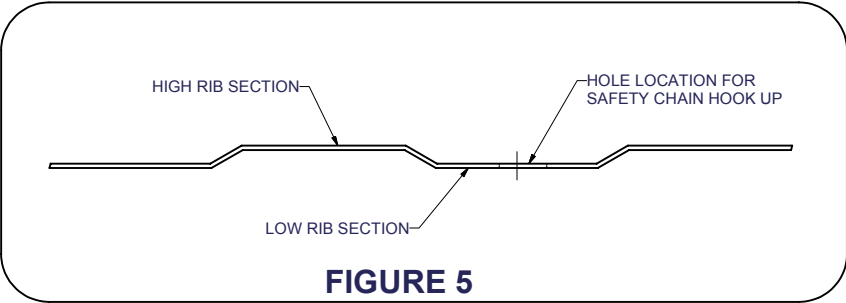


FIGURE 5

PARTS LIST	
(2) 1/2-13 x 2" Hex Bolt	(1) Exhaust Spacer
(2) 1/2" Washer	(1) Exhaust Strap
(2) 1/2-13 Flange Nut	
(2) 3/4-10 x 2" Hex Bolt	
(2) 3/4" Washer	
(2) 3/4-10 Flange Nut	
(2) 3/8-16 x 2" Hex Bolt	
(2) 3/8-16 x 1" Hex Bolt	
(2) 3/8" Washer	
(4) 3/8-16 Flange Nut	
(4) 5/8-11 Flange Nut	
(4) 1/4" Thk. Spacer (CM-SP23)	
(1) Installation Template (CM-308-2)	

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