

## Installation Instructions

The frame brace runs between the bottom edge of the bumper and the bed cross member near the rear tire. The connection to the bumper is made by sandwiching the bumper between the large angular plate and the end of the frame brace rod. The connection at the upper end of the rod is made by connecting to an existing hole in the bed cross member.

(Drivers side installation shown)

**Step 1.** Assemble a right and left assembly by placing a  $\frac{3}{8}$ " x  $1\frac{1}{2}$ " bolt through the frame brace rod at the end with the  $\frac{1}{4}$ " thick reinforcing block, then through the angular support plate. Install flat washer, split lock washer and nut, leaving a gap for the bumper. See fig. A

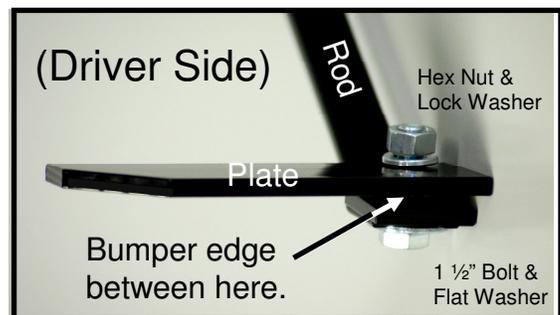
The passenger side setup is the same except the large angular plate protrudes from the opposite side of the frame brace.

**Step 2.** Slip the bumper between the small plate on the frame brace rod and the larger angular large plate, with the angular plate turned out toward the end of the bumper. Dashed line in Fig B. shows the plate location above the bottom edge of the bumper. See fig. B

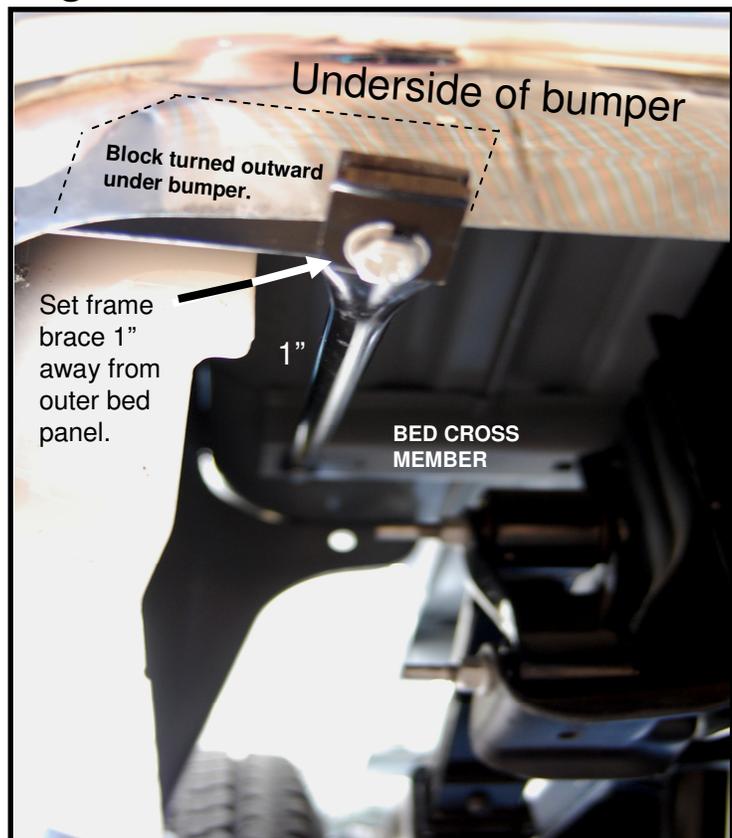
The other end of the frame brace is attached to the bed cross member beneath the bed of the truck. Continue to step 3 for installation detail for this end of the brace.

**INSTRUCTIONS CONTINUED  
ON REVERSE**

**Fig. A**



**Fig. B**



**Fig. C**

**Step 3a. (2007-2010 only)**

Secure the upper end of the frame brace rod to the bed cross member using the existing hole near the end of the cross member. Secure with 3/8" x 1" bolt and hardware provided. (except on dually trucks) See fig. C

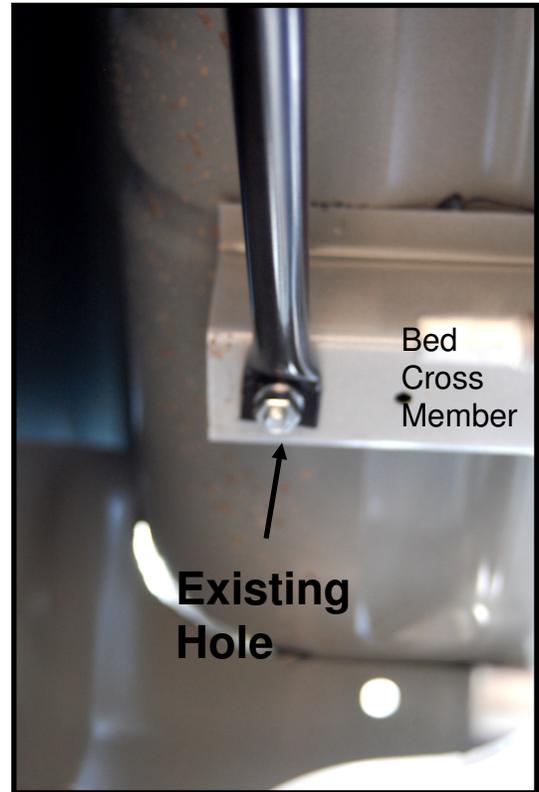
**Note:** On Dually trucks there will be a fender brace attached to this hole. Remove the bolt from the fender brace, place the bumper brace under the fender brace and reinstall the bolt.

**Step 3b. (2011 & Newer)**

Install upper end of bumper brace at location shown in Fig. D using the Metric M8-20 hardware supplied. (Except dually trucks)

**Note:** On Dually trucks there will be a fender brace attached to this hole. Remove the bolt from the fender brace, place the bumper brace under the fender brace and reinstall the bolt.

**Step 4.** Set lower (bumper) end of the frame brace 1" away from body panel and tighten both ends of frame brace.



**Fig. D**

