

BUMPER RELOCATION BRACKET INSTALLATION INSTRUCTIONS

Tools Required:

- 21 mm socket or end wrench
- ½ inch drive ratchet or impact wrench
- 10 mm socket or end wrench
- Pry bar or soft hammer
- ½ inch drive Torque wrench
- RTV silicone

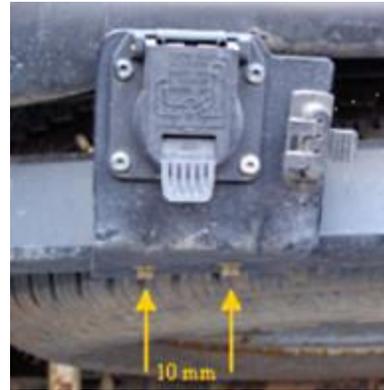


Figure 1

Caution: Before installing Tailgate Lowering Links or Bumper Relocation Brackets make sure that your tailgate support cables are in good shape and are equal in length. If they are not, replace them both.

Installation directions for Bumper Relocation Brackets

1. Lower spare tire to the ground and remove from the bracket. Move the spare tire out of your way. This step may not be necessary on 2011 and newer trucks.
2. Loosen, but do not remove the two bolts that secure the trailer plug-in mounting bracket to the receiver hitch (**Figure 1**).
3. For 1999 through 2007 models remove plastic electrical wire keepers (**A**) from the center holes in the bumper support brackets. (**Figure 2**).
4. Remove the nuts from the two bolt assemblies (**B and C Figure 2**) that secure the rear bumper support bracket (**D**) to the frame and bumper on one side. Note that each bolt assembly consists of two 14 mm bolts linked together.

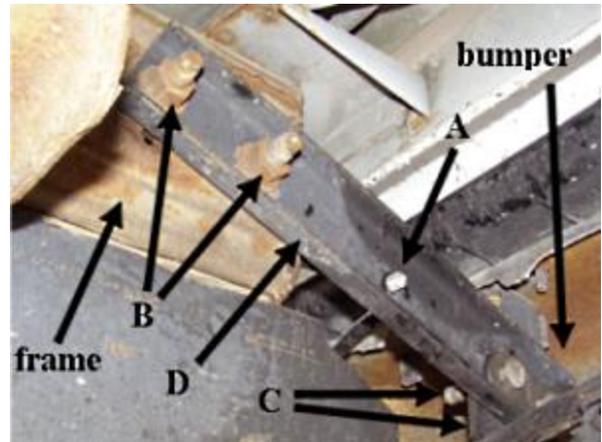


Figure 2

5. Remove the bumper support bracket (this may require prying or impact due to the silicone that is used for installation).
6. Apply RTV silicone to the area of the frame that will be in contact with the **Bumper Relocation bracket**.
7. Install the corresponding **Bumper Relocation bracket** (i.e. the left **Bumper Relocation Bracket** in place of the left bumper support bracket) using the bolt assemblies and bolt holes in the frame and bumper that the original bumper support bracket used. **Figure 3** shows the orientation for each **Bumper Relocation Bracket**. Leave the nuts loose enough that the bumper location can be adjusted.

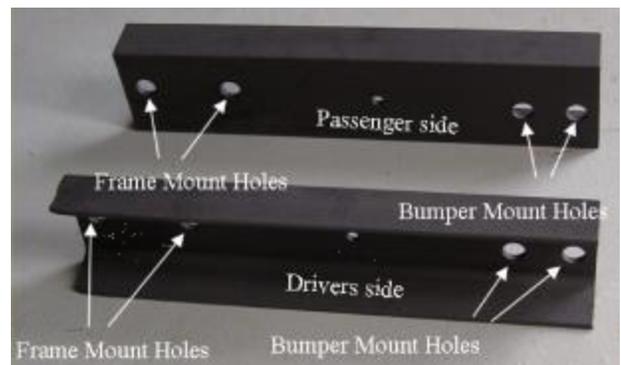


Figure 3

Installation directions for **Bumper Relocation Brackets** (continued)

8. Repeat step 6 and 7 for the other side.
9. For 1999 through 2007 models reinstall plastic electrical wire Keepers in the center hole of the bumper support brackets.
10. Install **Tailgate Lowering Links**. (Instructions on Page 3)
11. Carefully lower the tailgate carefully to make sure there is adequate clearance (minimum 1/8") between the tailgate and the bumper (**Figure 4**).
12. Adjust bumper so that there is an equal gap between the bumper and the rear of the pickup bed on each side and a minimum clearance between the tailgate and the bumper of 1/8".
13. Tighten the nuts on the four bolt assemblies to 133 ft-lbs.
14. Tighten the two bolts that secure the trailer plug-in mounting bracket to the bumper.
15. Raise spare tire to the stowed position.



Figure 4

RIDER TAILGATE LOWERING LINKS INSTALLATION INSTRUCTIONS

1. **Caution:** Before installing **Tailgate Lowering Links** or **Bumper Relocation Brackets** make sure that your tailgate support cables are in good shape and are equal in length. If they are not, replace them both. The top surface of the open tailgate should be covered with a non-skid material to prevent slipping.
2. Open tailgate to a partially open position and support on hip or have someone help support it.
3. Remove the detachable cable end of **one** tailgate cable from the stud on the upper bed side (**Figure 1**).
4. Install the female end of a **Tailgate Lowering Link** on the stud that the detachable end of the tailgate cable was removed from (**Figure 2**).
5. Attach the detachable end of the tailgate cable to the stud on the **Tailgate Lowering Link** (**Figures 3a & 3b**).
6. Repeat steps 3 through 5 for the other tailgate cable. **Caution:** Slowly lower tailgate while checking to make sure that the tailgate does not contact the bumper when the tailgate is supported by the tailgate cables and the **Tailgate Lowering Links**. There should be a minimum of 1/8" (**Figure 4**) clearance between the tailgate and the bumper. For applications where there is not adequate clearance, you may be able to lower the height of the bumper by the loosening the bumper bolts, lowering the bumper and re-tightening the bolts. Always use safety straps when loading or unloading using loading ramps.

Figure 1

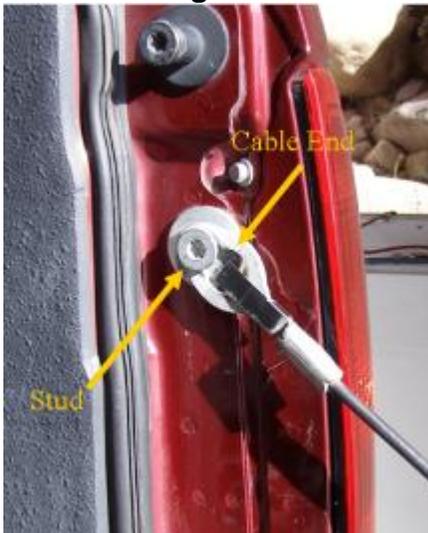


Figure 2

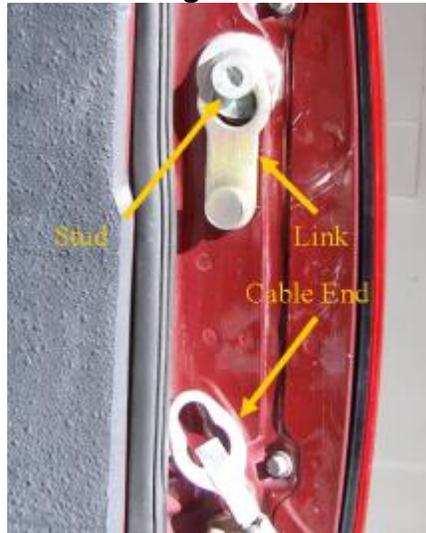


Figure 3a (Ford)

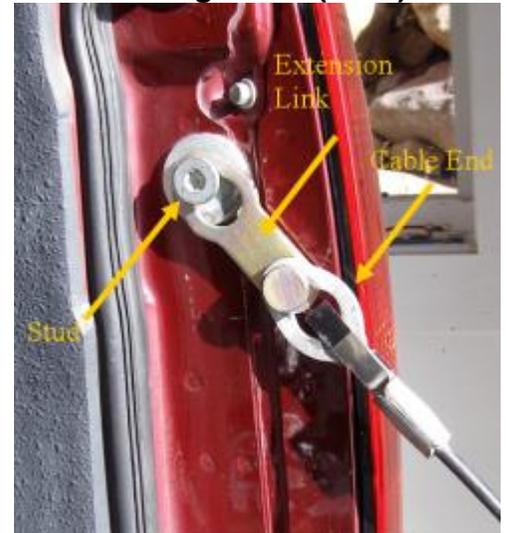


Figure 3b (GM)

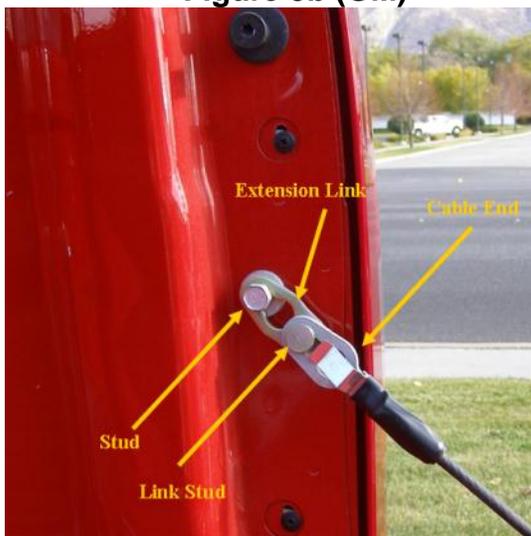


Figure 4

