# RCI 2009-Present F-150
# Transmission Skid Plate Installation

## Included Hardware Kit

1. If purchased with front skid plate, install front plate prior to proceeding with installation.

| | | |
|---|---|---|
| **A.** | M10 x 1.50 x 35mm length Bolt* | **2 ea.** |
| **B.** | M10 Speed Clip* | **2 ea.** |
| **C.** | 3/8" Washer* | **2 ea.** |
| **D.** | M8 x 30mm Bolt | **3 ea.** |
| **E.** | M8 Speed Clip | **2 ea.** |
| **F.** | 5/16" Washer | **3 ea.** |

**\*Included with front plate if purchased together**

2. Install two M8 speed clips in the transfer-case cross-member so speed clip locations align with holes at rear of skid plate. Install larger M10 speed clips through square openings on transmission cross-member. (If installing with front skid, these will have been previously installed.)

## Backing Plate Assembly

| | | |
|---|---|---|
| **G.** | Mounting Plate | **1 ea.** |
| **H.** | 5/16" Fender Washer | **1 ea.** |
| **I.** | M8 x 1.25 x 25mm Button Head Bolt | **1 ea.** |
| **J.** | M8 Speed Clip | **2 ea.** |

**\*For Use on 2015+ Models Only**

3. Install two speed clips onto provided backer plate. Backer plate will be inserted through outer opening on passenger side of transfer-case frame cross-member as seen in picture at right.

4. Install backing plate, aligning the front speed clip opening with round hole on frame. Secure backer plate from moving by installing M8 bolt and fender washer into middle speed clip and tighten. (2009-2014 model trucks will not need the backing plate assembly but WILL use one of the M8 speed clips.)



5. Loosen rear two bolts of front plate approx. half-way, (allowing front plate to drop as bolts are loosened) until about ½" thread visible between truck chassis and plate.

6. If no front plate is to be used, install bolts with washers in same manner, leaving approximately ½" of thread exposed.

7. Carefully lift transmission skid plate into place with elongated notches facing front of the truck. Use help of a second person
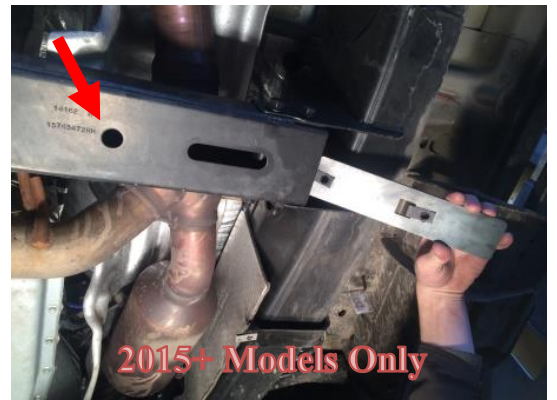


2015+ Models Only

if necessary. Align notches with loosened bolts from step 4 and slide skid plate in, sandwiching it between front plate and vehicle frame. Do not tighten bolts until rear bolts have been aligned and tightened.

8. Continue to hold plate up to avoid from sliding out in front and install rear three M8 x 30mm bolts with washers.
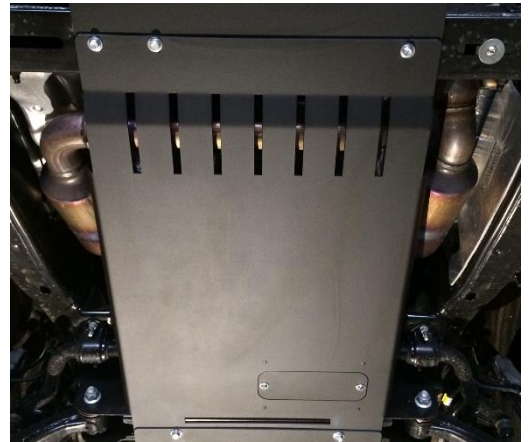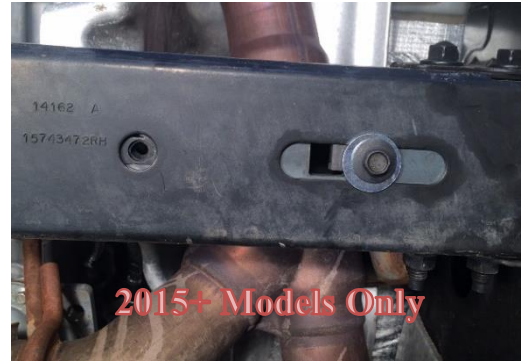
9. **<u>If skid plate is to be used on Ecoboost truck OR in combination with OEM skid plate:</u>**

   a) Remove fiber transmission cover on Ecoboost models by untwisting four thumb screws. Remove the two 90 degree brackets on either side used to support rear of transmission cover.

   b) Remove the OEM front skid plate. Install transmission skid plate, fastening ONLY the rear three bolts. Tighten only enough so that front of plate does not need held up. Re-install OEM front plate by inserting the rear lip through the cut-out on front of transmission skid plate (cut-out must be knocked out with a hammer first). Re-install the four bolts used to fasten front plate.

**\*It may be necessary to remove OEM front skid plate and connect to transmission plate in an open area if there is not adequate room below the truck to insert rear lip through transmission skid plate.**

10. Fully tighten all bolts including oil drain cover, if equipped.

*Enjoy the new protection!!!*