

Big Tex Grille Guard

Installation Instructions

77644 / 77644B

Ford Superduty '11 - '16

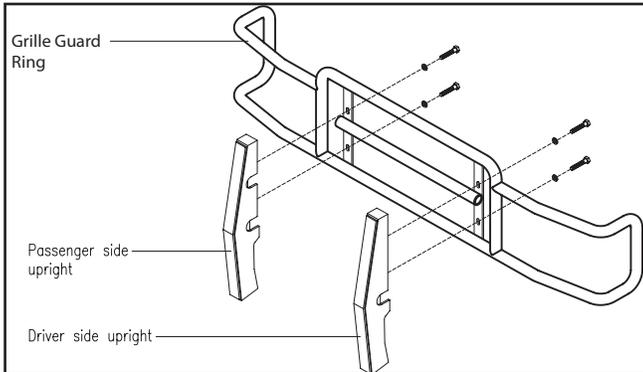


Diagram 1

Parts List:

1 - Big Tex Grille Guard Ring	1 - Pass. Rear Brace #46644-12
1 - Driver Side Upright	4 - 1/2" x 2 1/2" Bolts
1 - Pass. Side Upright	4 - 1/2" x 1 1/2" Bolts
1 - Driver Front Bracket #77644-5	4 - 1/2" x 1 1/4" Bolts
1 - Pass. Front Bracket #77644-6	16 - 1/2" Flat Washers
1 - Driver Bumper Brace #46644-9	8 - 1/2" Lock Washers
1 - Pass. Bumper Brace #46644-10	8 - 1/2" Nuts
1 - Driver Rear Brace #46644-11	

***May include extra hardware.**

Note: Completely read instructions before beginning installation!

1. Remove the contents from the box and check for missing pieces or damage. If parts are missing or damaged, contact the original place of purchase.
2. Remove bumper bolts on both driver and passenger side as shown in **Diagram 2**. Set aside the bolts, as they will not be reused. Remove the factory nuts on the side of the frame as shown in **Diagram 3**, these will be reused. Using **Diagram 3**, place driver bumper brace #46644-9 in between the back of the bumper and the factory bumper mount, and line up the 2 holes. Some trucks may require loosening the bumper side braces and pulling the bumper downward to install these brackets. Replace the two factory nuts in the frame that the driver bumper brace #46644-9 will attach to, as shown in **Diagram 3**. Repeat above procedure for the passenger bumper brace #46644-10.
3. Install the passenger rear brace #46644-12 as shown in **Diagram 4**. Remove the two factory bolts from the side bumper brace as shown in **Diagram 4**. Only remove one side at a time or bumper will fall. Place the passenger rear brace #46644-12 up to the bumper brace and replace the factory screws. Place (1) 1/2" black flat washer onto (4) 1/2" x 2 1/2" bolts. Place (2) of the 1/2" x 2 1/2" bolts with washer through the front bracket #46644-5 and through the bumper aligning the holes with the passenger bumper brace #46644-10 and the passenger rear brace #46644-12 and the factory brace as shown in **Diagram 5**. The bumper may need to be moved around to align all of the holes. Place a (1) 1/2" flat washer, (1) 1/2" lock washer and (1) 1/2" nut onto each 1/2" x 2 1/2" bolt. Repeat this procedure for driver side bracket #46644-11 with the bolts also going through brace #46644-9. After all brackets are installed raise the bumper and tighten all bolts.
4. Place (1) 1/2" flat washer onto (4) of the 1/2" x 1 1/2" bolts. Align the grille guard uprights to the brackets installed on the truck, the uprights need to be positioned so the brackets are inside of them. Insert and the (4) bolts with washers through the side holes in the uprights and brackets inside the uprights. On the bolts inside the uprights, place (1) 1/2" flat washer, (1) 1/2" lock washer and (1) 1/2" nut onto each of the bolts. Hand tighten at this time.
5. Gently lower the ring down onto the back side of the uprights as shown in **Diagram 1**. Each upright will get (2) 1/2" x 1 1/4" bolts that will go through the vertical plate on grille guard ring and thread into upright. Hand tighten all bolts at this time.
6. Tighten the brackets to the vehicle first, then tighten all bolts on the grille guard ensuring that the grille guard remains centered on the vehicle.

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View of Tow Hook Opening

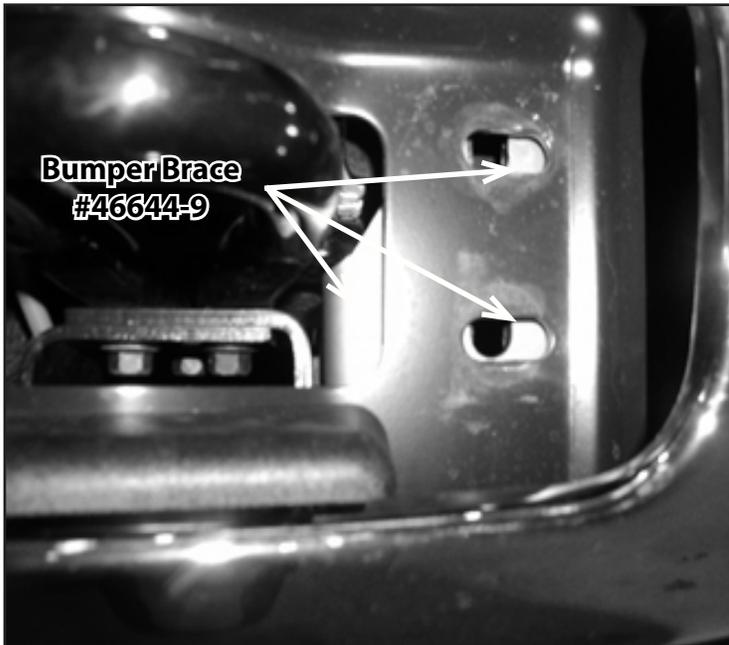


Diagram 2

View of Driver Bumper Brace #46644-9

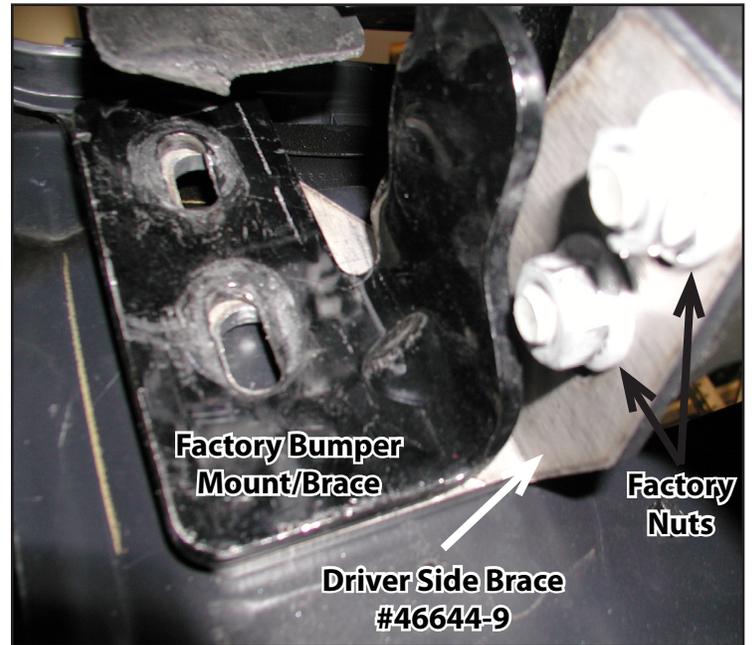


Diagram 3

View of Passenger Rear Brace #46644-12

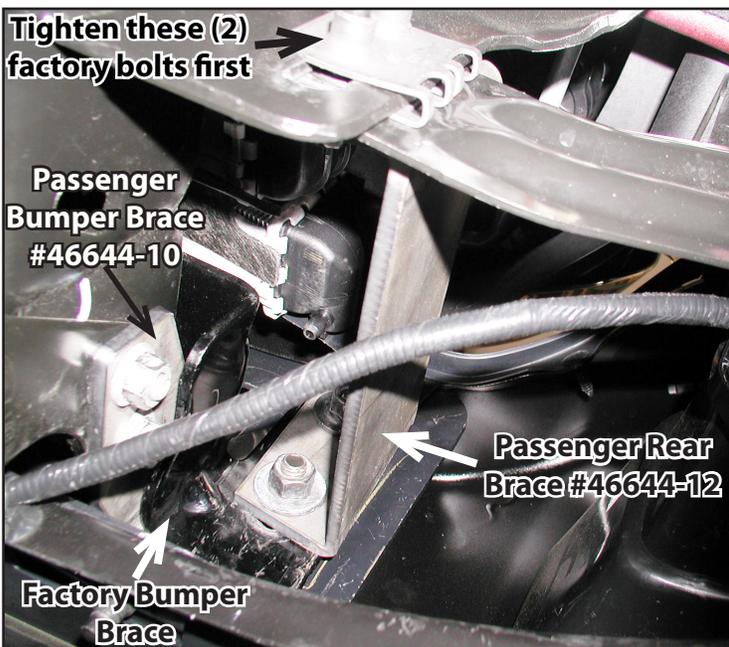


Diagram 4

View of Driver Front Bracket #77644-5

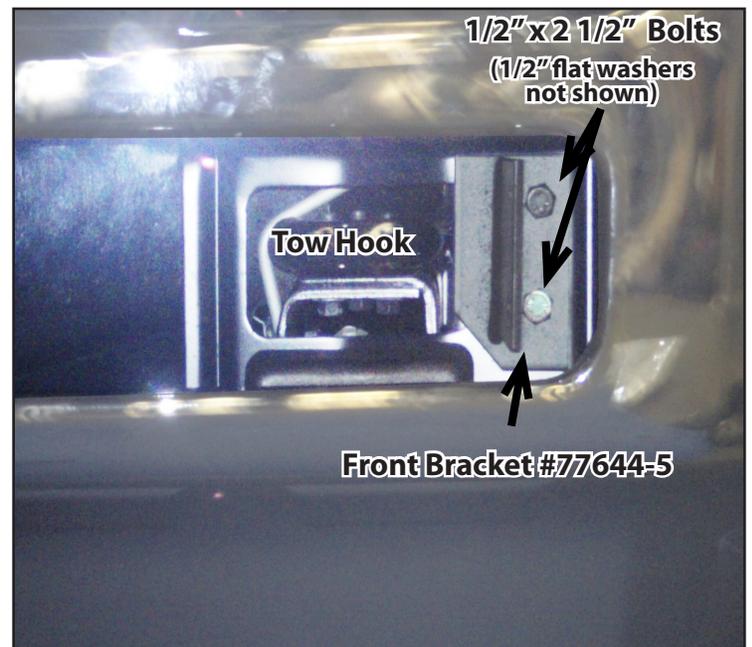


Diagram 5