



# 2013 Ford F-150

XL, XLT, FX4, STX (Replacement) All Models

PART# 47161 (Brushed) 47162 - (Polished) 47163 - (Black) Upper

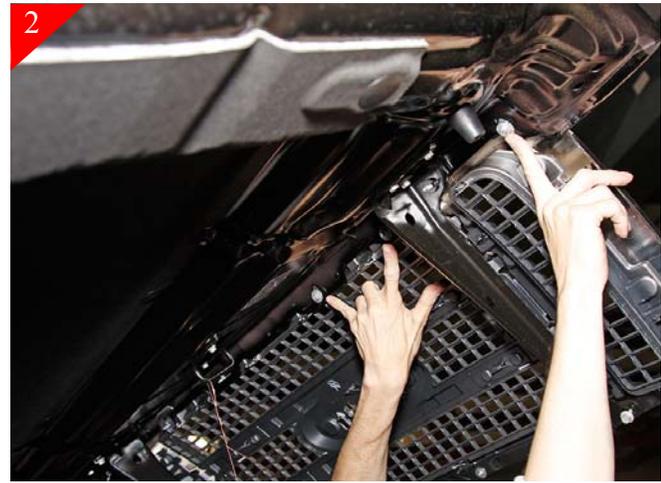


## Hardware

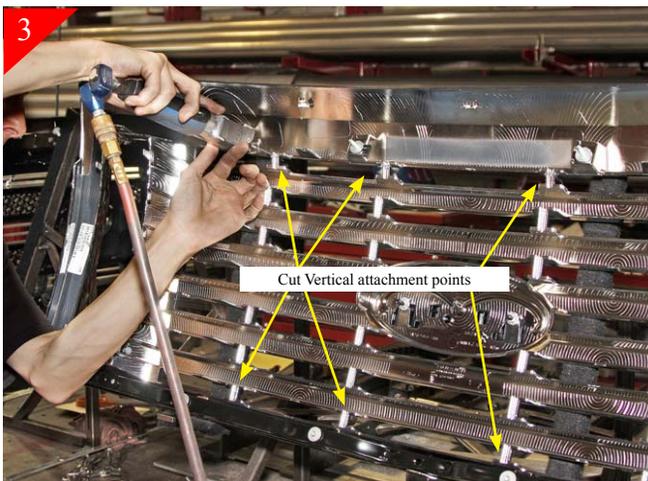
- 8 - 10-24 x 1" Phillips head bolts
- 8 - 10-24 U-clips
- 4 - "Z" Brackets Lower 4085-2
- 2 - "Z" Brackets Upper 4437-1
- 2 - "Z" Brackets Upper 4437-2



Open hood and remove the (2) 10mm bolts along the bottom outside of the stock grille shell holding the stock grille shell in place.



Continuing to remove the stock grille shell. Remove the (6) 10mm nuts across the top of the stock grille shell holding the top portion of the stock grille shell in place. Remove grille shell and using masking tape, tape the front of the grille shell to protect during the install.



Next you will be removing the center portion of the stock grille shell. Using a air saw cut all the vertical attachment points of the grille shell shown above.



Next you will be making the last verticle cuts that will remove the center portion of stock grille shell.



Repeat process for opposite side of grille shell.



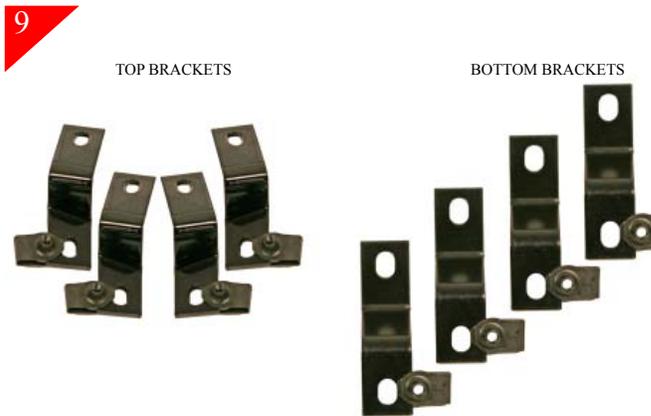
Center portion will be free at this point. Remove.



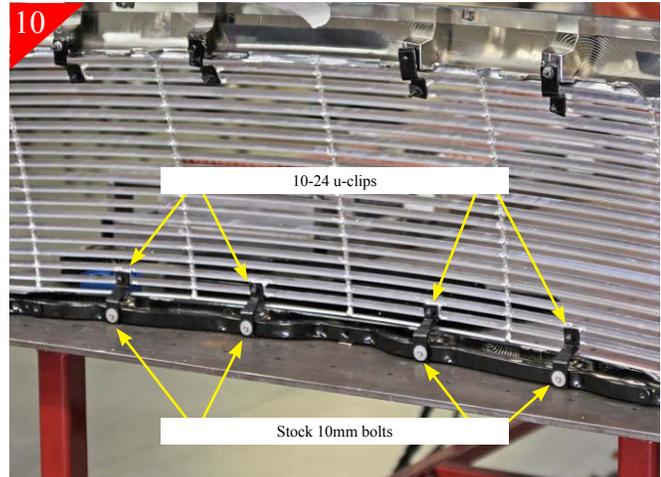
Using a sanding block or grinder cleaning up all the cut areas.



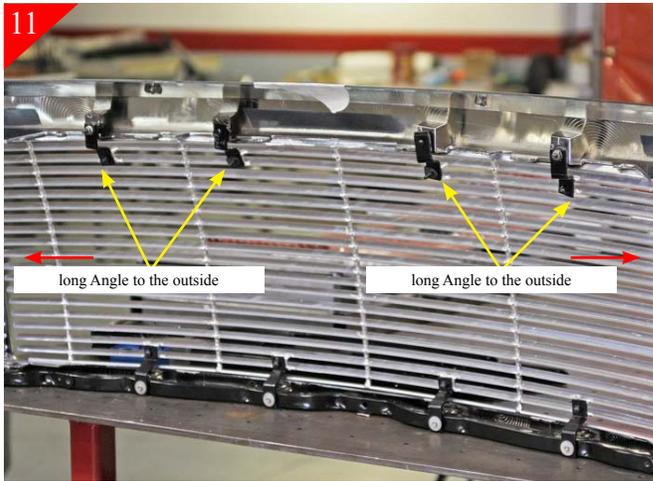
Continued with clean up of all cut areas.



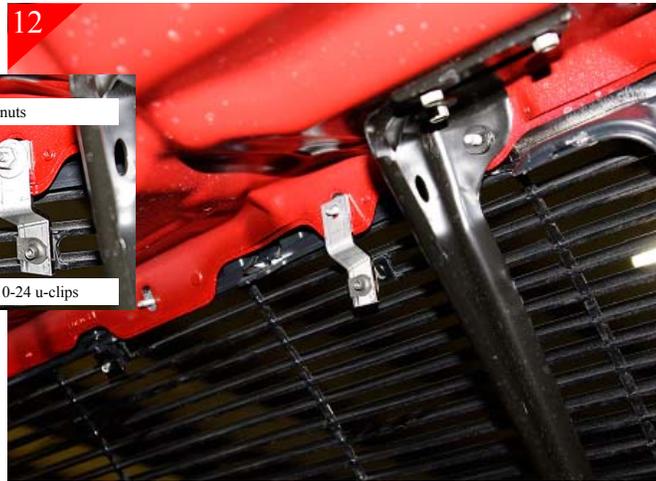
Locate the supplied upper brackets and place supplied u-clips on the short end of bracket. Now locate the lower brackets and place supplied u-clips on one end of the brackets.



Remove the (4) stock 10mm bolts attached to the bottom steel brace. Attach lower brackets to the steel brace using the stock 10mm bolts. Now attach brackets to billet grille using the supplied 10-24 x 1" phillips head bolts, attach to already place u-clips as shown above.

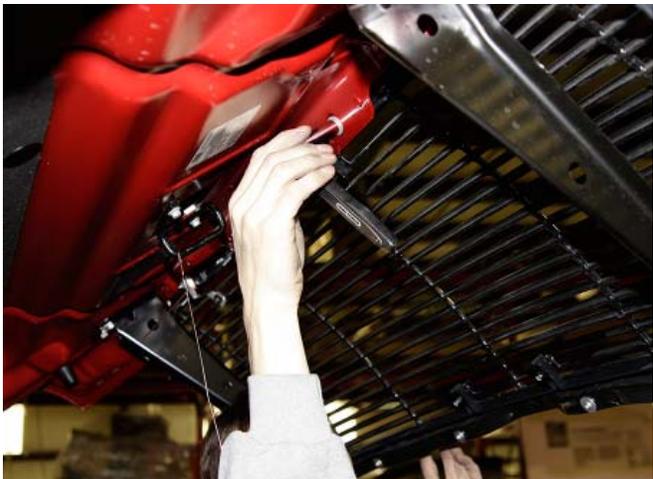


For the upper brackets they are left and right specific. With the long end up and short end of the bracket down. The long angle on the short end of brackets goes toward the outside of the grille shell. The above image is for reference, you will install the upper brackets when attaching grille shell to vehicle.



Next place grille shell on vehicle and align with mounting holes. Now place the upperbrackets as shown on the mounting stud of the grille shell. Using the supplied 10-24 x 5/8" bolts attach bracket to billet grille. Attach top portion of bracket using the stock 10mm nuts. Repeat for remaining side of the billet grille.

**NOTE:** images above show 10-24 clips installed, please use the 10-24 nyloc nuts in place of clips.



Continue with the re-attachment of the grille shell using the stock hardware removed in steps 1 and 2. Check all hardware and fasteners. Install is complete.

Completed Installation

For installation of billet grilles that require cutting of the stock shell, proper tools, knowledge and skill are needed. Carriage Works is not responsible for care & Accuracy of the installation, only for Fit & Finish of its products. Use a qualified installer or contact original vendor for references to complete all instructions.

NOTE: Please adjust horizontal blades if irregular. This is the result of shipping and handling outside of Carriage Works control. Also Carriage Works Recommends applying a high quality automotive wax to maintain the original appearance.