



# 2009 Ford Flex

After



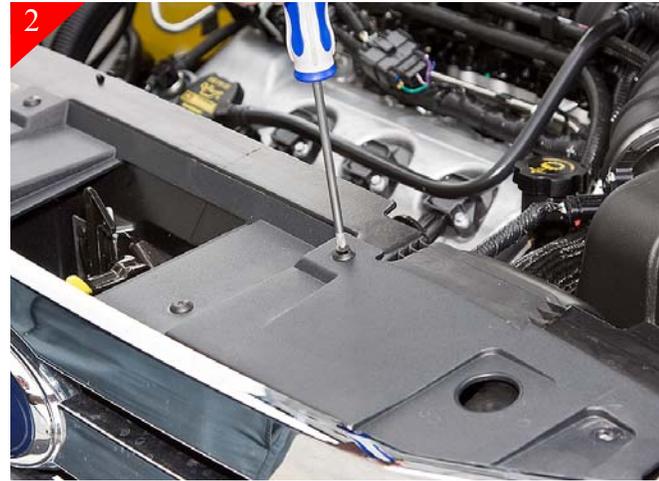
**PART# 44391 (Brushed) 44392 - (Polished) 44393 - (Black) Upper**

## Hardware

- 2 - Upper Brackets #B-4439-1
- 3 - Lower Brackets #B-4139-3
- 2 - 10-32" Well Nuts
- 2 - 10-32 x 1" Phillips head bolts
- 2 - Washers
- 8 - 10-24 x 5/8" Phillips head bolts
- 8 - 10-24 U-clips



Remove (2) 10mm bolts opposite from each other located on top of the plastic core support cover shown above.



Remove (4) plastic Phillips head screws also located on the top of the plastic core support cover as shown.



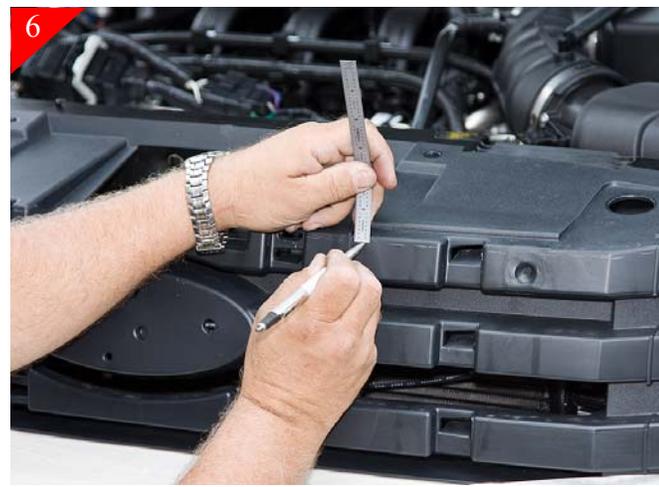
Tape the front end of the vehicle and the headlights using masking tape to protect the vehicle during install as shown above.



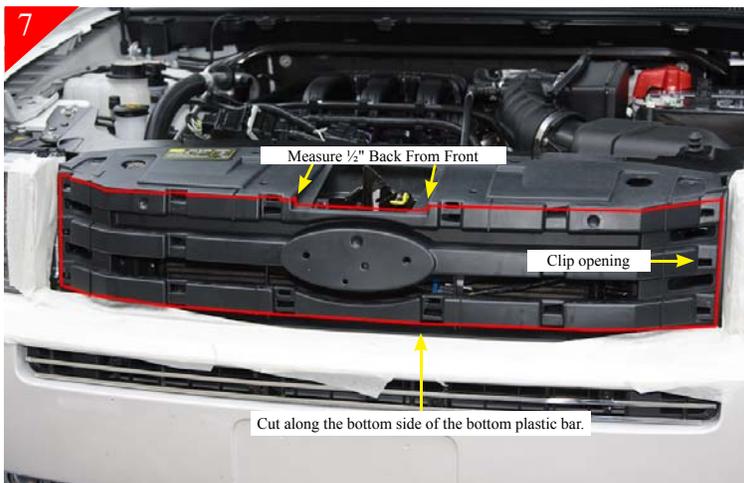
Next you will be removing the chrome portion of the stock grille shell. Do so by reaching behind the stock shell and releasing the clips holding chrome front using a large regular screwdriver to release. There are (6) clips located along the top of the shell, and (4) clips located across the middle of shell, and (6) along the bottom of the shell.



You will also need to remove the Ford emblem by removing (2) 10mm nuts from back side of shell. Chrome portion of the stock grille shell will be free at this point.



Next you will be marking the black plastic for removing the center portion of the plastic. Measure down  $\frac{1}{8}$ " from top of plastic and mark all the way across the top of the plastic using a scribe or sharpie as shown. See next step that will show the cut line.



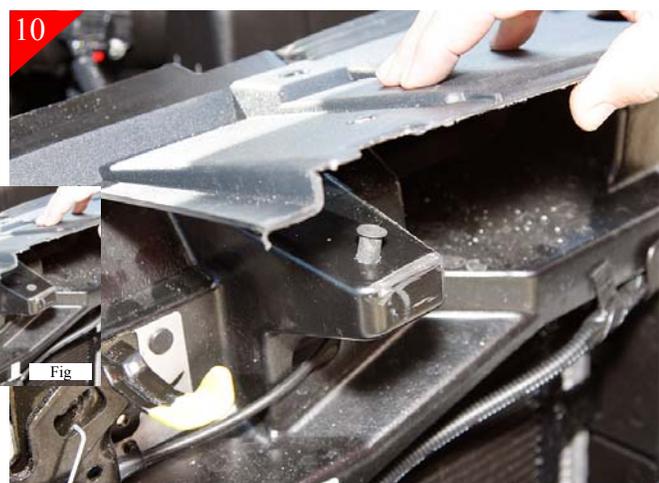
Using a cut off wheel or air saw cut along the just placed marks from step 6. Continue to cut along the cut line shown above in red. For the vertical cuts, cut just past the clip openings but will need to leave some material along the vertical cut. For the bottom cut use the bottom plastic bar as a guide and cut just on the bottom side of the bar this will leave a small piece of plastic. Leave this in place it will help locate the grille when inserted.



After removing center portion of black plastic.



Next locate the (2) factory holes located on each side of the hood release. Using a  $\frac{3}{8}$ " drill bit drill down through plastic into the steel support below.



Next place the supplied well nut in the just drilled locations. Push into place so that the top of the well nut is seated against the steel brace.



Next locate the supplied upper brackets and place supplied u-clip on the bent end of bracket. Then place on top of the just placed well nut in between the plastic core support cover as shown. Attach bracket using the supplied washer and 10-32 x 1" button head bolts. Snug bolts in place do not fully tighten at this point.



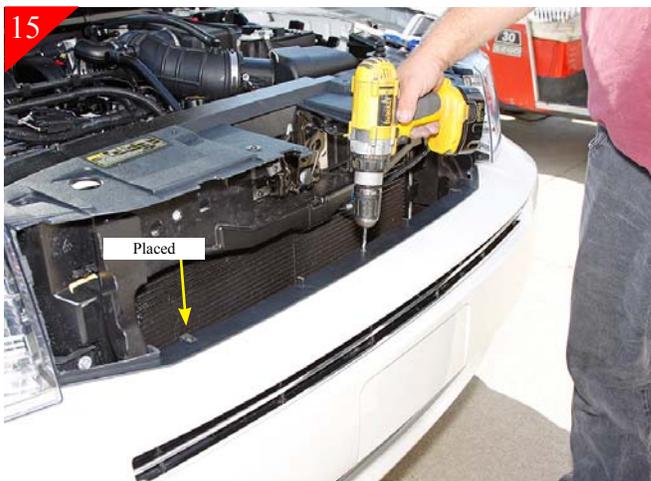
Locate the supplied bottom brackets and place supplied 10-24 u-clips on the long end of bracket and attach bracket to billet grille using 10-24 x 5/8" as shown above there are (3) brackets along the bottom.



Place billet grille into opening and center. Push billet grille against the small vertical plastic along the bottom of opening (Ref step 8). The plastic core support cover seats in the top channel of the top bar in billet grille. Check alignment around billet grille.



Now reaching down on the backside of the billet grille using a scribe mark the (3) bracket locations of the just placed bottom brackets (Ref step 12). After marking hole locations remove billet grille from opening. Also remove the brackets from the billet grille.



Using a 1/4" drill bit, drill the just marked locations. After drilling place supplied u-clips on the just drill holes.



Next attach the bottom bracket that you removed (Ref step 14) to the just placed u-clips. Attach using the supplied 10-24 x 5/8" bolts as shown above



Place billet grille back into opening and attach using the supplied 10-24 x 5/8" bolts. Make adjustments as necessary and tighten all hardware.

**NOTE:**

Insure all fasteners OEM & are secure and in place. Check fitment of plastic shroud core support cover to insure that it does not interfere with hood latch operation.

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.