



2003-06 Ford Expedition Upper & Lower

PART# 41691 - 41692 - 41693
PART# 41701 - 41702 - 41703



4169

- 4 - Brackets
- 8 - U-Clips
- 8 - #8 x 5/8" Phil Pan Head Screw

4170

- 4 - Short Brackets
- 2 - Brackets
- 8 - U-Clips
- 8 - #8 x 5/8" Phil Pan Head Screw

2004 Bumper

- 2 - Long Brackets
- 2 - Short Brackets
- 4 - U-Clips
- 4 - #8 x 5/8" Phil Pan Head Screw



STEP 1 Remove Top fan cover by removing 8 plastic rivets.



Fig. A



Fig. B

STEP 2 Remove the (2) 10mm bolts from under each (Left & Right) wheel well that secure the fender and grille shell.



Fig. A

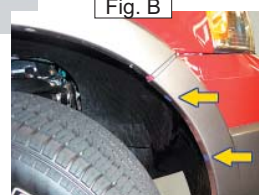
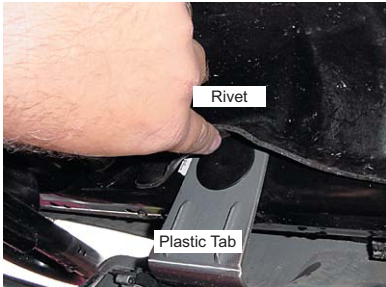


Fig. B

STEP 3 Remove the (2) 7/32" Bolts at the bottom of fender (wheel well) shown above (Fig. A). Next remove the (2) 7/32" bolts along the wheels well & fender (Fig B). Repeat this process for the other side of the vehicle.



Rivet

Plastic Tab

STEP 4 Under the front of the vehicle, remove the (2) Plastic rivets holding the tabs by lifting the rubber splash guard and pulling out on the rivets. Being careful -- Do Not Break Plastic Tabs.



STEP 5 Disconnect the Fog Light assemblies while under the vehicle.

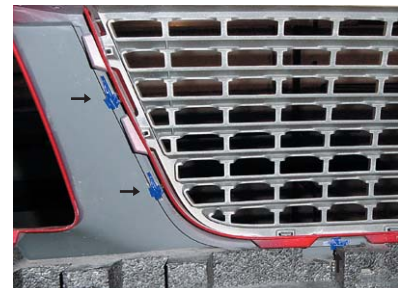


STEP 6 Remove the (2) Torx Bolts holding the top of the shell to the core support.



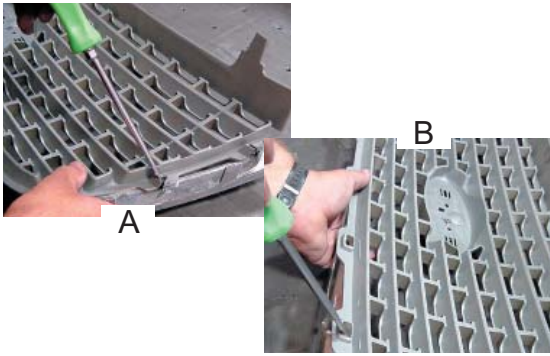
STEP 7 Push down and slightly pull out on the (4) Tabs as shown (2 Tabs on each side). After releasing these tabs carefully push downward on the outer edges of the shell and the entire unit will be free to be removed from the vehicle.

STEP 8 Place a protective cover (Cloth or Blanket) on a work bench to prevent any damage to the grille shell while installing the Billet Grille. (Place shell upside down on cloth).



STEP 9 Remove the factory grille from the shell by removing the (8) U-Clips from the chrome trim bezel and pushing the entire unit out.

NOTE: Be Careful with the U-Clips - They will need to be re-used.



STEP 10 Remove the "egg crate" insert from the chrome bezel by releasing the tabs from the outer edges. After removing the egg crate cut the tabs flush with chrome ring.

STEP 11 Replace the chrome trim ring into the shell and make sure the trim ring is firmly against the grille shell and re-attach using the factory U-Clips.



STEP 12 Loosely attach the right & left brackets to the grille as shown, set the grille against backside of the chrome trim ring and center the grille in the opening. Mark the locations of the brackets and drill a 3/32" hole. Attach U-Clips to the grille at drilled locations.

NOTE: The short leg of the brackets should run parallel to the edge of the billet grille for correct orientation. Make sure the billet grille is against back edge of bezel.

"For Installation of 2003 Expedition Lower Bumper Grille please use the following steps."



STEP 13 Next we will be installing the Lower Billet Grille. Remove lower factory grille by removing (4) plastic pop rivets.

NOTE: IF YOU DID NOT PURCHASE THE LOWER BILLET GRILLE SKIP TO THE LAST STEP.

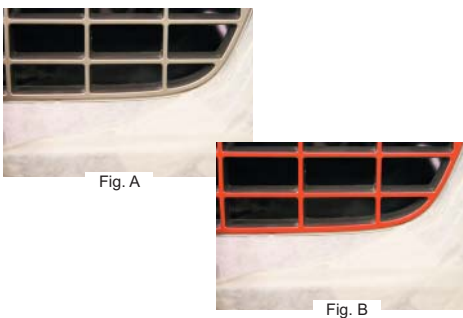


STEP 14 Loosely install the (4) Brackets to Billet Grille as shown and place the (2) U-Clips over factory mounting tabs as shown. Insert the Billet Grille into the shell and attach to the top using the provided screws, after centering in the opening.

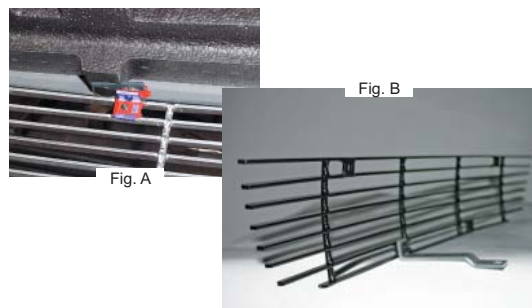


STEP 15 Attach flat brackets to the bottom L-Bracket as shown and tighten. Re-Install grille shell to vehicle and perform final adjustments to Billet Grille and tighten all screws. Installation is complete.

For Installation of 2004-06 Expedition Lower Bumper Grille please use the following steps.



STEP 1 Using masking Tape, Mask off area around the grille to be cut (Fig. A). Next carefully cut out center section of bumper area, that is marked in Red (Fig. B) leaving 1/16" material. Then carefully sand edges using a flexible sanding block with 240-320 grit paper to smooth remaining rough areas of the shell.



STEP 2 Loosely install the (2) Short Brackets to top of Billet Grille as shown and place the (2) U-Clips over factory mounting tabs as shown (Fig. A). Next attach long brackets to the bottom of the Billet Grille as shown above (Fig. B). Then insert the Billet Grille into the bumper opening and center. Attach the top brackets using the supplied #8 x 5/8" Screws to the U-Clips. Next Re-install grille shell to vehicle and perform final adjustments to Billet Grille and tighten all screws.



STEP 3 Reaching thru the top of the vehicle, drill a 1/8" hole in the center of the slotted tab against the factory metal support pan and attach using the supplied #8 x 5/8" screws. Installation is complete.

NOTE: Please adjust horizontal blades if irregular. This is the result of shipping and handling outside Carriage Works control.

Also Carriage Works Inc. recommends applying a high quality automotive wax to maintain the original appearance.