



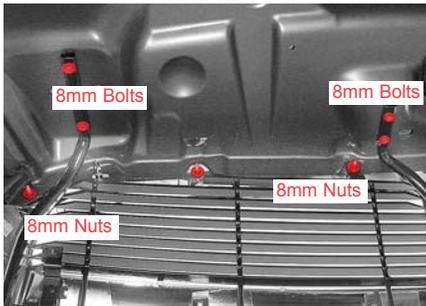
# 2002-05 Dodge Ram Full Size

Part # 41931 - 41932 - 41933

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.

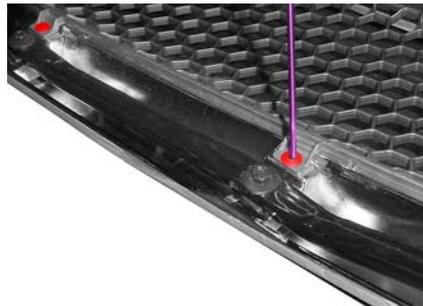
## Hardware

- 4 - short brackets
- 4 - long brackets
- 2 - polished end caps
- 12 - U-Clips
- 16 - #8 x 5/8" Phil Pan Head Black screw



**STEP 1** Remove stock grille and frame assembly from truck by removing (6)-8mm screws holding frame. Remove (6)-8mm nuts from top edge of grille shell. As shown above.

**Note:** Grille will be hard to remove from body due to adhesive tape holding shell to body of vehicle.



**STEP 2** After removing grille shell, lay grille face down on protective work surface (such as a blanket, so as not to scratch the face of the grille shell). Next punch center core (Qty 22) from plastic rivets holding grille inset in place, as shown above.



**STEP 3** Cut the vertical Center Bar at the top and Bottom leaving approximately 3/16" material to be removed later. Carefully sand excess material to approximately 1/8".

**NOTE:** Removing too much material will result in the top and bottom bars not being able to cover the cut-out areas.



**STEP 4** Place Billet Grille in shell and center into the opening and clamp in place. Place the bottom brackets (2 slots) against the grille tabs and the bottom of the shell and mark a line along the outer edges of the brackets and the slot location onto the grille shell. Repeat this process for the top brackets also.



**STEP 5** Remove the grille and at each marked location on the bottom grind the small lip flat with the rest of the grille shell as shown.

**STEP 6** Drill a 3/32" hole in the marked slot locations towards the edge of the shell as possible within an 1/8" of the edge.



**STEP 7** Using silicone or an adhesive, place the supplied end caps over the openings on the sides of the grille shell.  
**NOTE:** There is a difference in the 2 end caps as they are formed to match the cut-out shape.

**STEP 8** Loosely attach the top and bottom brackets to the grille shell. U-clips may be placed on the underside of the bottom of the grille shell to act like nuts for the clamps if desired.



**STEP 9** Place the Billet Grille back in the shell and center into the opening. Attach the clamps to the grille. Lightly press the Billet Grille back into the opening until the top and bottom bars just cover the vertical cut-out opening. Make sure the grille is centered in the opening and tighten in place.

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

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