



# 2004-05 Ford Ranger Billet Grille

PART# 41961 (Brushed) 41962 (Polished) 41963 (Black)

After



Before



- 8 - 1/4-20 x 3/4" Soc Cap Screw
- 8 - 1/4-20 Safety Nuts
- 2 - L Brackets
- 2 - Angled Brackets



1 Open hood and remove the (4) - 7/32" bolts across top of core support.



2 There are (2) Clips at the bottom of the grille shell that you release by squeezing together. Grille shell will be free at this point.



3 Remove grille shell from vehicle and tape the face of the stock grille shell with masking tape to protect during installation.



A Lay grille face down on a protective surface such as a blanket. Next using a pair of cutting pliers (Fig A.), Clip the release tabs and then using a regular screwdriver pry out to release the tabs (Fig B).

NOTE: If you plan on keeping the inner portion of stock grille shell you will need to hand release. Do not cut tabs.



FIG.



6 After clipping all tabs, remove the center portion of stock grille shell as shown above.



7 Place Billet Grille into opening and center.



8 Next using the "L" shaped bracket you will be attaching the lower part of billet grille to the stock shell. The Long end of the bracket attaches to the billet grille using the supplied 1/4-20 x 3/4" Soc Cap Screw & 1/4-20 safety nut and tighten.



9 Re-center billet grille in opening and make flush with the face of the stock grille shell. Using a pair of vice grips clamp bracket in place. Next using a 1/4" drill bit, drill down thru the bracket as shown above.



Next you will be attaching the short end of the “L” to the stock grille shell. In the just drilled holes attach using the supplied 1/4-20 x 3/4” and 1/4-20 safety nuts. Place the bolt up as shown so as not to rub on bumper.



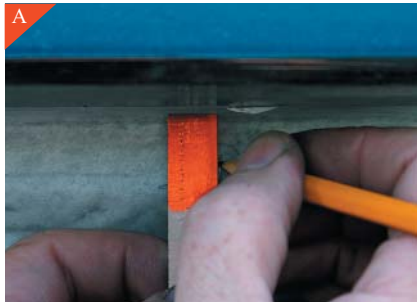
Next attach upper bracket to Billet Grille as shown above. The over-bent side of bracket attaches to Billet Grille.



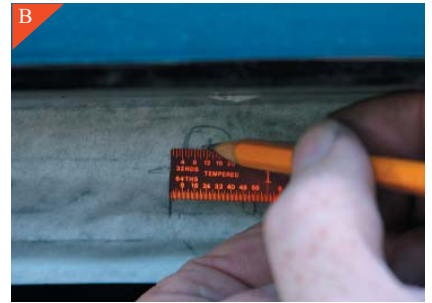
Next tape vehicle as shown above using masking tape. The tape will be used to mark locations for attaching the upper brackets to vehicle.



Next place grille shell in vehicle. Then snap the bottom clips of grille shell in place. Then using (2) of the stock screws loosely attach the top of grille shell to core support.



Now you will need to mark the locations of the upper brackets. Using a pencil mark the outside of both of the upper brackets. Then remove the grille shell from vehicle. Then measure down 1/2” from top as shown (Fig. A.)



Next measure over 3/8” from one of the marked sides of the brackets. This will give you a center line to drill for the upper brackets.



Then using a 17/64” drill a hole in each of the just marked locations.



Remove the masking tape from the face of the grille shell. Place the grille shell back on vehicle, snap the bottom clips in place. Then attach the upper brackets to core support using supplied 1/4-20 x 3/4” Soc Cap Screw and 1/4-20 safety nuts in the just drilled locations as shown above. Then attach the (4) 7/32” stock screws across the top of core support.

#### 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 Work’s control. Also Carriage Works Inc. Recommends applying a high quality automotive wax to maintain the original appearance.