Using a cut-off wheel or hack saw remove all of the lower and upper tabs from grille shell as shown above. You will not need to remove the tabs on the vertical drivers and passenger side of the stock shell.

Start by removing the four 10mm bolts (two per side) that attach the grille frame to the hood.

Remove the two rubber stops on the brackets and SAVE them. They will be reinstalled.

Remove the 6 (10mm) nuts holding the factory grille along the front edge of the hood shown above in red.

Remove the factory support brackets.

Now separate the outer shell from the honeycomb factory grille, but first you need to remove the fiber tape covering the clips.

Once the tape has been removed, You carefully pry out the tabs that attach the honeycomb grille to the outer shell. There are 14 tabs to be released.

With the tabs released, the grille shell can now be removed from the honeycomb grille. Here is a picture of the frame without the honeycomb grille.

Using a cut-off wheel or hack saw remove all of the lower and upper tabs from grille shell as shown above. You will not need to remove the tabs on the vertical drivers and passenger side of the stock shell.

NOTE: Please read all instructions first before proceeding with this installation.

Photo shown W/optional bumper grille Part#42122
Using a slight upward pressure on the bottom of the grille attach the four supplied “Z” brackets to the billet grille as shown using the factory nuts and the supplied ¼-20 bolts and nuts as shown. These brackets will be tight as they are used to hold the grille and shell in the correct final position. Tighten all “Z” bracket nuts and bolts. Make sure that the grille shell forms to the face of the hood.

With all of the tabs removed and sanded, lay grille shell face down on a protected work surface. Then insert the billet grille and center as shown above.

Place supplied U-clips on long end of the (4) lower brackets and attach to billet grille using the supplied #8 x 5/8” Phillips head screws.

Mark the center location of the hole in all (4) just placed brackets where it meet the stock shell as shown above.

Using a 3/16” drill bit drill all the just marked locations.

After drilling place supplied U-clips on all the lower brackets as shown above. Then attach brackets to stock shell by using the supplied #8 x 5/8” Phillips head screws as shown above (Fig. B). Screw by hand with a screwdriver so they will not strip the thread. If done correctly the heads will sit nice and flush. You may need to file any burrs off after tightening.

Now place the plastic washers on the studs located on the outer side of the grille. There are four total. Carriage Works suggests applying some silicone on the plastic washer so it stays in place during installation.

Place the flat “slotted” brackets between the supplied “slotted Y” hood brackets and hood and re-install the (4) factory hood bolts. Finger tighten only. The brackets have slotted holes for alignment adjustments later.

There are 6 studs on the shell. These 6 studs go through the hood. The “Z” brackets install on the 4 studs in the center of the shell. Now place the grille on the hood. Finger tighten nuts on the two outer studs to hold the grille in place. Now you are ready to install the 4 “Z” brackets to the Studs and finalize attachment of the grille to the hood. Do not allow the hood to shut as possible damage could occur to painted bumper.

Using a slight upward pressure on the bottom of the grille attach the four supplied “Z” brackets to the billet grille as shown using the factory nuts and the supplied ¼-20 bolts and nuts as shown. These brackets will be tight as they are used to hold the grille and shell in the correct final position. Tighten all “Z” bracket nuts and bolts. Make sure that the grille shell forms to the face of the hood.

Next, attach the supplied “slotted Y” hood brackets with flat side of the bracket on the inside of the hood using the ¼-20 x ¾ Hex screw, flat washer, and safety nut. Again Finger Tighten Only. Note: Passenger side bracket shown above with Red.

Next, using the remaining 1/4”-20 nuts and bolts, attach the grille to the vertical bars of the hood brackets. Then tighten all remaining “Slotted Y” brackets, bolts, nuts, and hood bolts.
Adjust the bottom of the grille for proper alignment using the headlight lens as a guide for spacing by loosening the (2) - (10mm) bolts on the hood and the (6) Bolts holding the grille to the “Slotted Y” hood brackets. Once adjusted properly tighten all bolts and nuts.

NOTE: The Profile shots are from the horizontal install but the same concept applies.

Next place the clear self adhesive protective bump stops at the bottom of the grille so that the grille barely touches when hood is closed. (Fig. B) There should be 1/4” between top of bumper cover and bottom of screw head.

Carefully lower the hood and check the alignment of the grille with the headlights. Do not allow full weight of the hood or use force to close the hood as damage may occur to the bumper cover.

The rubber bumpers previously removed from the grille brackets must now be re-installed. Failure to reinstall may cause damage to the Vehicle.

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 Inc. Performance Recommends applying a high quality automotive wax to maintain the original appearance.