



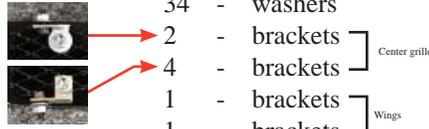
1999-04 Ford Super duty 3Pc Heavy Duty Mesh

Part# 39277



HARDWARE

- 34 - 12 point bolts
- 34 - 3/8 nuts
- 34 - washers
- 2 - brackets } Center grille
- 4 - brackets }
- 1 - brackets } Wings
- 1 - brackets }
- 8 - 1/4-20 x 1/2 allen bolts
- 8 - 1/4 nuts
- 8 - 1/4 washers



1 Remove core support cover and screws from top of grille shell. Release 4 spring clips at bottom of grille using flat blade screw driver. Remove grille shell from vehicle.



2 Place grille on protective work surface such as a work bench with a blanket. Then tape off the chrome portion of the grille with masking tape so you don't scratch the face of the grille shell.



3 Next you will remove the egg create portions of the left and right pocket on stock grille shell. Remove using a air saw/cut off wheel using the inside of the opening as a guide. Repeat for opposite side of shell.



4 After removing egg create.



5 Next locate the correct side pocket mesh grille ring. Using the ring as a pattern place into the opening and center. Using a sharpie mark the hole locations.



6 Using a sharpie mark a cut line as shown above. Make sure to cut around the just marked holes. These will be used in mounting brackets. Cut using an air saw or cut off wheel. Repeat for opposite side.



7 Continued from step 6 after cut.



8 Next you will be removing the center portion of the stock grille. Using a air saw/cut-off wheel. Cut the vertical attachment points as shown. Show above is the top portion of the stock grille shell.



9 Cut the vertical attachment points as shown. Show above is the bottom portion of the stock grille shell.



Cut the horizontal attachment points as shown. Show above is the right side portion of the stock grille shell. Repeat for opposite side.



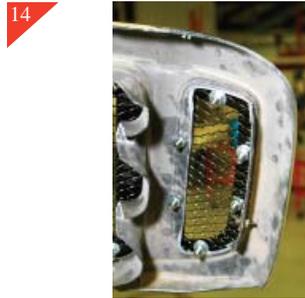
Center portion of grille shell will be free at at this point.



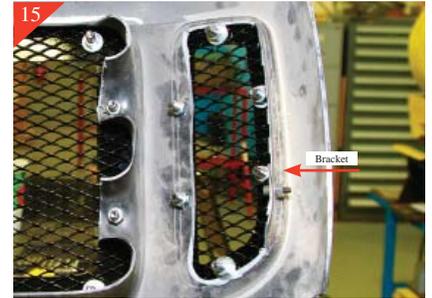
Place mesh grille into opening and center. Using a sharpie mark the 2 hole location as shown above. Repeat for opposite side. After marking remove mesh grille from opening.



Using a 3/8" drill bit drill the just marked locations. Repeat for opposite side. Using the marked holes from steps 5 & 6 go ahead and drill these marked locations as well.



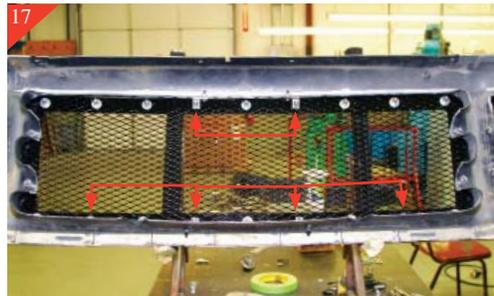
Starting with the side grilles. Remove the 2 bolts that line up with the just drilled hole locations. Place mesh grille into open and center. Using the 2 bolts that were removed place in the just drilled locations and tighten. Repeat for opposite side grille.



Next still working on the side grilles. You will need to mark and drill for the mounting brackets. Attach brackets to bolt shown then using a sharpie mark the location remove bracket and drill using a 1/4" drill bit. After drilling replace bracket and secure using the supplied 1/4-20 x 1/2 allen head bolt and 1/4-20 nut. Repeat process for opposite side.



Place center portion of mesh grille into opening and center. Remove the 2 bolts that line up with the holes drilled in step 13. Secure the mesh in place with the bolts just removed.



Using the same process as in previous steps locate the brackets for the center portion of the mesh grille and remove the corresponding bolts to attach them to. Attached brackets then using a sharpie mark the holes. Using a 1/4" drill bit, drill marked locations. After drilling attached brackets using 1/4-20 allen head bolts and 1/4 nuts.



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.