



Basic Materials:

Grill material to cover the measurements plus a little extra.
Tin Snips or Wire Cutters
Nylon Ties and Swivel Bases (Not required for upper grill)
10ft of grill trim (Not required for lower grill)
2 tubes of Automotive Goop

Other materials:

Bondo
Finishing Bondo
Sand paper in various grits
Paint if self painting primer, base and clear (highly recommend professional paint work)

Tools:

Dremel
Torx bit set
Small Flat tip screw driver
Trim removal tool

Upper grill removal:

Method 1 (Recommended for all models but required on no-turbo models) helps to ensure no damage occurs during the grill removal process to the securing pieces in the soft front bumper cover if these are damaged just slightly during removal or re-installation the grill will no longer sit securely in place upon re-install.

Step 1: Open hood

Step 2: Locate headlight securing tabs on rear of headlight assembly and pull straight up. (Headlight removal isn't mandatory but will make re-installation of the bumper cover easier)

Step 3: Push headlight from the rear of the assembly towards the outboard side of the car and forward holding the front with your free hand to prevent it falling out and hanging from the wiring.

Step 4: Locate tabs on headlight wiring harness, depress tabs and pull connector from headlight, set headlights aside for later re-install.

Step 5: Locate 4 push to lock plastic clips at the top center of the bumper cover over the radiator, push down on the center of the tabs with a small flat tip screw driver or suitable substitute.

Step 6: Insert screwdriver or finger under portion of bumper cover where the clips were released in the previous step to remove the 4 clips, remove clips by hand, set aside for re-install.

Step 7: Locate 2 torx head screws on either side of the bumper cover outboard of the clips removed in the previous step and remove and set aside for re-install.

Step 8: Locate 4 torx head screws in each fender well securing the edge of the bumper cover to the fender liner, remove and set aside for re-install.

Step 9: Locate 4 torx head screw on the bottom leading edge of the bumper cover securing the splash shield, remove and set aside for re-install.

Step 10: Carefully begin pulling gently on either side of the bumper cover where the bumper cover meets the fender well at the top edge to the outboard of the vehicle until the bumper cover unclips from the fender, repeat for opposite side.

Step 11: With the headlights removed you can see three clips where the bumper cover clips into the front of the car push forward on the clips by hand until they just release taking care not to allow the bumper cover to fall, repeat for opposite side.

Step 12: Grasp upper grill and gently pull the bumper cover forward using your free hand to coax any area that might hang up.

Step 13: Place the bumper cover on a soft surface to prevent scratches in the same orientation it would mount on the vehicle.

Step 14: Locate 10 clips (four on top and bottom and two on each side) in the rear of the bumper cover surrounding the upper grill and use a trim removal tool or suitable substitute to depress the locking mechanism on the clips while applying pressure on the grill, repeat process until all clips are release and remove grill from bumper cover.

Method 2: This is a more difficult removal method, if you experience any difficult use method one to prevent damaging the bumper cover securing clips for the grill.

Step 1: Open hood

Step 2: Locate 4 push to lock plastic clips at the top center of the bumper cover over the radiator, push down on the center of the tabs with a small flat tip screw driver or suitable substitute.

Step 3: Insert screwdriver or finger under portion of bumper cover where the clips where released in the previous step to remove the 4 clips, remove clips by hand, and set aside for re-install.

Step 4: Locate 2 torx head screws on either side of the bumper cover outboard of the clips removed in the previous step and remove and set aside for re-install.

Step 5: Lift upper edge of bumper cover up to view back side of grill area and locate location of clips securing the grill into the bumper cover.

Step 6: Use a flap tip screwdriver to press the release tab on the clips while pressing forward on the back of the grill and release the four tabs along the top.

Step 7: If possible to see the top two clips at either side locate them from behind the grill looking under the top edge of the bumper cover (see step 5) and repeat step 6.

Step 8: With top edge of grill removed use location of clips in the top and sides to approximate the remaining 6 clip and use a trim removal tool or suitable substitute to release the tabs via inserting the tool between the grill edge and bumper cover from the front of the vehicle until the grill can be easily removed by hand (removal of the license plate may be necessary).

Upper Grill Fabrication:

Step 1: Remove the slash and Volvo logo from the grill and R-Design logo if equip'd. To remove depress the plastic securing clip on each and gently press the slash and logo out of the grill.

Step 2: With a Dremel tool or suitable substitute cut the eggcrate design center portion of the grill material around the edge of the grill out, its not required but highly recommended to remove the surround chrome or aluminum insert that borders the eggcrate design to prevent damage to it.

Step 3: Once the eggcrate design is cutout, fine sand it down to meet flush with the chrome or aluminum surround.

Step 4: Apply body filler around gaps in grill edge created by cutting out the eggcrate design and let dry, rough sand when dry and repeat as necessary until you have a smooth edge.

Step 5: Apply Body filler finishing material, let dry and sand as necessary until smooth.

Step 6: Cut grill material into a rectangle 63cm wide by 17cm tall

Step 7: Place cut grill material onto back of grill and trim excess until you have approx. 2cm overlap around the entire grill (grill should be approx 63cm at the top and taper down to 57.5cm on the bottom edge).

Step 8: Once the grill material is cut down with a uniform 2cm overlap around the edge of the grill surround center the grill on the surround taking care to ensure that the grill is parallel in reference to the top and bottom of the opening and zip tie the grill to the surround as close to the surround as possible.

Step 9: Form grill material around backside edge of grill surround until all material is in solid contact with the surround.

Step 9A: Refit preformed grill material onto painted grill surround, tie wrap into place (see step 12 if fitting slash and Volvo logo) and apply glue, follow directions for drying time.

Step 10: Don't glue the grill at this point, test fit the grill back into the bumper cover to ensure there isn't too much grill material preventing the grill from fully locking into the bumper cover, to insert grill press the grill into the bumper cover from the front pressing back, use one hand to provide resistance on the back to the bumper cover at each clip and slowly press the grill into place looking for the grill material contacting the bumper cover until fully inserted or contact is found preventing insertion of the grill, if contact is preventing insert or causing the grill to unlock after a minute or two remove grill using step 14 in the removal process and trim grill as necessary until it fits properly and securely in the bumper cover (be sure to wait a few minutes as it can take time before the grill pops out if not fully locking into place).

Step 10A: Once glue is dried cut tie wraps and check that grill is securely attached to grill surround. Proceed to step 16.

Step 11: If no painting of grill material is desired cut tie wraps and remove grill material, then proceed to step 15 otherwise if painting of the material is desired proceed to next step.

Step 12: Optional if refitting slash on Volvo logo, you'll need to perform a little trimming of the slash at each end with a dremel tool or suitable substitute until it can be fitted properly on top of the grill material, once trimmed work the slash into place with the ends of the slash between the grill material and the surround and zip tie slash to grill material.

Step 13: Remove grill from successful test fit and apply glue to edge of grill material taking care to not have any glue contact the viewable area of the grill, (highly recommend using the glue available from customcargrills) and apply glue to slash and Volvo logo if using them. Follow directions on glue for dry times and then proceed to next step.

Step 14: Once glue has dried cut zip ties and test that grill material is securely fastened to grill surround.

Step 15: Paint as desired, highly recommend professional paint. If no painting of grill material was desired proceed to optional steps 9A-10A.

Step 16: Install completed grill and proceed in reverse order or bumper cover removal for bumper cover installation.

Lower grill removal:

Step 1: Follow bumper cover removal procedure.

Step 2: With bumper cover removed, located 8 clips around the lower grill securing the grill to the bumper cover.

Step 3: Press tabs in each clip pulling back gently on grill to release each clip from the bumper cover and side grill aside.

Lower grill fabrication:

Step 1: Cut grill material into 64.5cm wide by 10.5 cm tall rectangle, place cut grill material over grill opening in bumper cover and trace bumper cover grill opening outline on grill material, use outline as a guide and trim grill until approx 2mm smaller than opening in bumper cover.

Step 2: Measure grill material outside edge circumference (should be approx 145cm) cut grill trim slightly larger than measurement and begin working the material onto the edge of the grill material starting at the top center and work your way around until the ends meet cut as required to make a seamless fit, don't apply glue to the seam at this point.

Step 3: Test fit grill into bumper cover opening until grill can be inserted to desired depth in the opening and fits snugly in place without any securing mechanisms, if trimming is required remove grill, remove grill trim and trim as necessary until grill fits in opening at desired depth snugly.

Step 4: Apply a small amount of glue to the seam in the grill trim material; follow directions on glue until dry.

Step 5: When the glue has dried from the previous step insert grill into bumper cover to desired depth.

Step 6: Not required but recommended to secure grill using the zip tie and fastener set available at customcargrills, install fasteners onto bumper cover in location behind the grill (recommend installation on the mounting outside edge of the mount tabs that held the stock grill in the bumper cover to keep them hidden), let the 3M material on the fasteners make a good bond (2 hours) zip tie grill in place using the grill and the fasteners (reference videos at customcargrills for further detail).