



2008 Toyota Sequoia

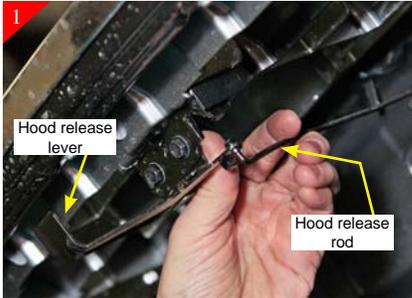
PART# 44271 (Brushed) 44272 - (Polished) 44273 - (Black) Upper

After



Hardware

- 4 - 10-24 x 1 Pan head screws
- 4 - #10 Fender washers
- 4 - 1/4-20 x 3/4 Soc head bolt
- 4 - 1/4-20 Nyloc nuts
- 4 - 1/4 Flat washers
- 19 - 10-24 x 5/8 Pan head screws
- 23 - 10-24 U-clips
- 16 - 10-24 x 1/2 Soc head bolt
- 16 - 10-24 Nyloc nuts (black)
- 6 - Rubber bumpers
- 1 - Upper Brace
- 1 - Hood latch mounting bracket
- 2 - Upper Bracket (outer)
- 2 - Upper Bracket (inner)
- 2 - Lower Bracket (outer)
- 4 - Lower Bracket (inner)



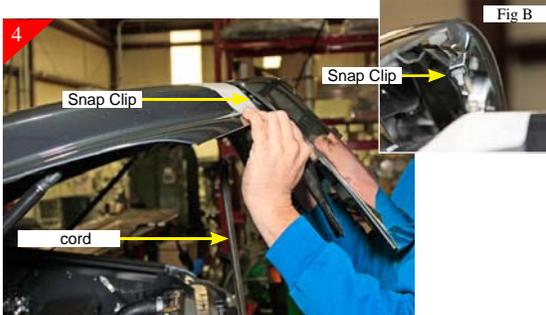
Open hood and remove the hood release rod. The retainers are clipped into place. Remove by simply pulling straight out from the backside to release from the retainer.



Next locate the (10) 10mm bolts on the backside of the stock grille shell and remove. With these removed the only thing holding the grille shell in place is snap clips along the top of the hood area.



Using masking tape, tape off the hood area just behind the chrome of the stock grille shell. This will protect the hood when removing the grille shell. Also to help hold the hood in a better position for removing grille shell use of a bungee cord or a piece of rope hooked to the hood latch and core support area will help.



Next you will release the snap clips from across the top of the stock grille shell. Starting at one end, work from the corner to the other end releasing clips. Once you get 1 or 2 clips released the others will come out easier. The use of a door panel removal tool to help pry clips loose will be necessary. These fasteners are very secure and can be tight. (Fig B) shows what the clips look like. Also note that the clips can be located in between the bolts removed in (step 2).



Move stock grille shell to protective surface. Using masking tape, tape the face of the grille shell to protect during install of billet grille. Flip stock shell over face down.



Remove the Phillips head screws holding hood release lever in place. Keep lever to be re-installed to billet grille later in the install.



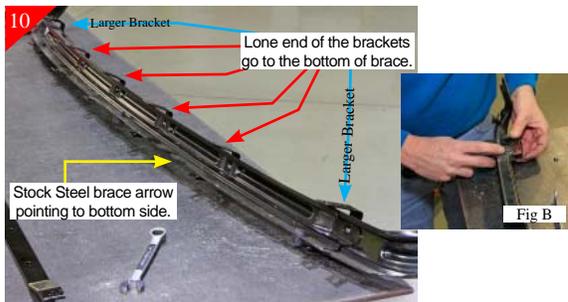
Locate the Phillips head screws holding the steel brace along bottom of stock shell shown above and remove.



Starting on one end of the grille shell you will be releasing the clips that hold the center section in place. Using a small regular screwdriver to help in releasing clips will be necessary. Once you get several clips released the rest will be much easier.



With all the clips released the center section will be free.



Locate the stock steel brace that you removed in step 7. Next you will be attaching the (6) supplied brackets to the steel brace. Locate the (2) larger brackets these will attach to the outer most holes with the remaining (4) attaching in the middle as shown above. Attach brackets using the supplied 10-24 x 1/2" Soc head bolt and 10-24 low profile Nyloc nuts.



Place billet grille into opening and center. Move steel brace to shell and lay in place and center. Next you will be attaching the steel brace to the 2nd bar from the bottom in billet grille using the brackets along steel brace.



With the bracket under the bar of the billet grille attach using the supplied 10-24 x 1/2 soc head bolt and 10-24 low profile nyloc nut. When tightening use of a ball end Allen wrench or a shortie as shown above will be necessary.



Next you will be centering the billet grille and steel brace to the opening. Using a measuring tape, measure both sides and center as shown above. Should be approximately 1" from the side of the stock shell.



Next you will laying out the holes to be drilled in the stock shell. Do so by using a straight edge to trace the edges of the bracket onto the tape on the stock grille shell as shown above. Then measure 1/2" from the backside of the grille and mark a center line to be drilled.



Drill all the just marked hole locations using a 3/16" drill bit.



After drilling all hole locations place supplied U-clips on the brackets as shown.



Attach using the supplied 10-24 x 5/8" Phillips head screws. With the bottom secured you will now work on the top brackets.



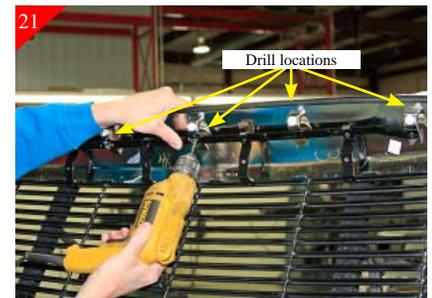
Located the supplied upper brackets. Brackets shown above are laid out in the correct attach order. With the (2) outside brackets attaching to the outside and the (2) middle one going to the middle. The hole in the end of the bracket closest to the edge will attach to the billet grille.



Attach brackets to billet grille using the supplied 10-24 x 1/2" soc head bolts and 10-24 low profile nyloc nuts. See previous step for orientation of brackets.



Locate and place the supplied top cross bar as shown. Then attach brackets to the top bar using the supplied U-clips and 10-24 x 5/8" philips head screws.



Locate and drill the (5) mounting holes as shown using a 3/16" drill bit. Make sure and check alignment of billet grille before drilling. Be sure the billet grille is flush with stock grille shell. Using caution when drilling so as not to go thru grille shell.



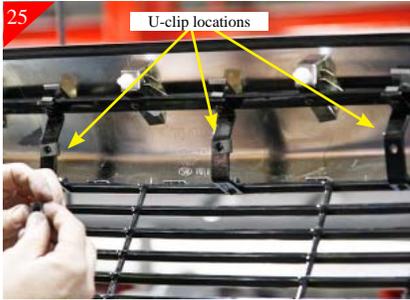
22 After drilling all hole locations, place supplied U-clips as shown in (Fig B). Attach using the supplied 10-24 x 5/8" Phillips head screws.



23 Locate and attach hood bracket to the billet grille using the supplied U-clips and 10-24 x 5/8" soc head bolts. Place the supplied U-clips on the hood release bracket and attach with bolts. Attach stock hood release lever to this bracket.



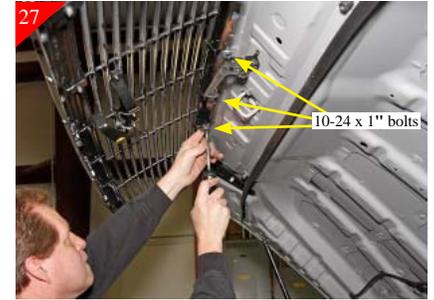
24 Attach stock hood release lever to this bracket using the supplied U-clips and 10-24 x 5/8" soc head bolts as shown above.



25 Place the supplied U-clips on the center hole of the (4) vertical upper brackets shown above.



26 Place the grille shell back on the vehicle. Align the snap clip across the top of the shell with the hood and snap in place. A slight bump with the palm of your hand where the clips are will seat in place.



27 Using the supplied 10-24 x 1" phillips head bolts and #10 fender washers attach as shown above. The bolts will attach to the U-clips that were just placed in the previous (step 25).



28 Next you will be attaching the bottom steel brace to the vertical steel brace coming off the hood. Attach using the supplied 1/4-20 x 3/4" soc head bolt and 1/4" washer followed by washer and 1/4-20 Nyloc nuts. Washers go on both the head side and backside. Use of an open end wrench will be necessary in securing. Install is complete.

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 Works control. Also Carriage Works Recommends applying a high quality automotive wax to maintain the original appearance.