

IMPORTANT: PLEASE KEEP THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE !



2008 Toyota Avalon
Fine Mesh Grille
 A 30 G8



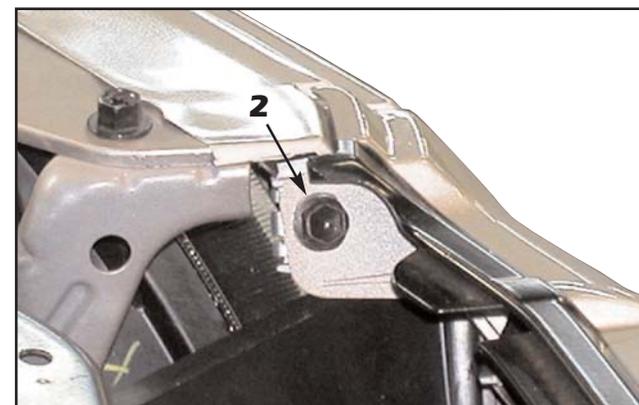
Part #1080-0102-08

Quantity	Description	Part No.
1	Upper Mesh Grille (includes):	*****
	Mesh Section	1080-0020-08
	12 Gage Stainless Steel Frame	1080-0038-08
	Top Mounting Plate	1080-0210-08
	Upper Bottom Mesh Retainer	1080-0042-08
	(4) Black Rectangular Mesh Retainers	1099-0167-05B
	(14) #8-32 ESNA Half Nuts	1999-0065-00
1	Lower Mesh Grille (includes):	*****
	Mesh Section	1080-0021-08
	12 Gage Stainless Steel Frame	1080-0022-08
	(4) Black Rectangular Mesh Retainers	1099-0167-05B
	(2) Rectangular Mesh Retainers	1099-0167-05
	(6) #8-32 ESNA Half Nuts	1999-0065-00
1	Hardware Kit (components listed below)	1080-1902-08
	(8) #8 x 1/2" Black Truss Head Screws	3999-9035-00
	(2) .040" x 1/2" Double Faced Tape	3004-9248-92
	(6) 1" x .189" x .064" Black Plastic Washers	1999-0264-00
	(2) Stainless Steel Lock Washers	1999-9555-00
	(2) #8-32 Stainless Steel Hex Nuts	1999-9072-00
	(1) Emblem Mounting Plate	1080-0159-06
	(1) Hole Drilling Template	1080-0039-08
	(6) #8-32 ESNA Half Nuts	1999-0065-00
	(12) 8-32 x .1" Black Cap Plugs	1999-0241-00
	(2) Universal Mounting Brackets	1108-0158-97

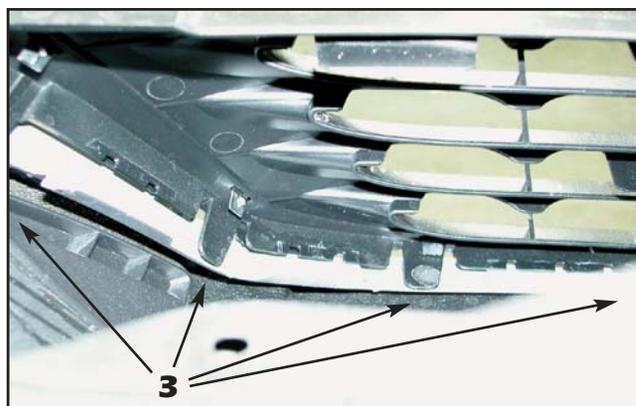
WARNING: PLEASE HANDLE WITH CARE! THE EDGES OF THE STAINLESS STEEL MESH & GRILLE CAN BE EXTREMELY SHARP!



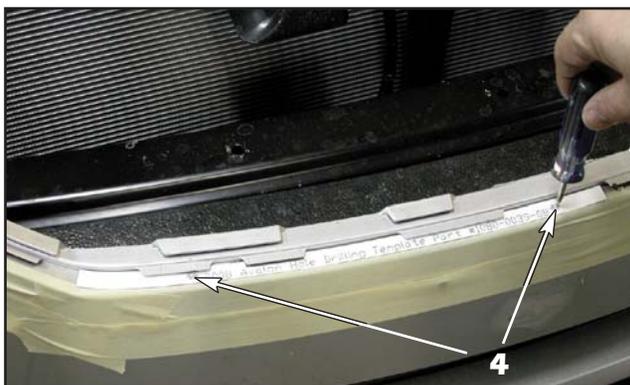
1. Open the hood and push down on the centers of the plastic push fasteners to release them. Remove radiator cover (save for modifications).



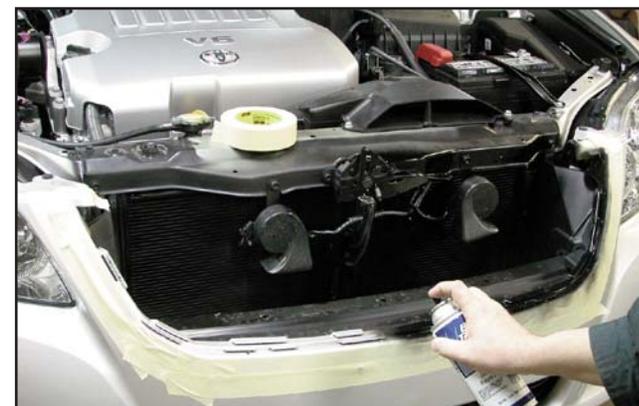
2. Remove the 10mm hex head bolts (one each side) from the top of the factory grille. Remove the center push pin at the top of the grille (not shown).



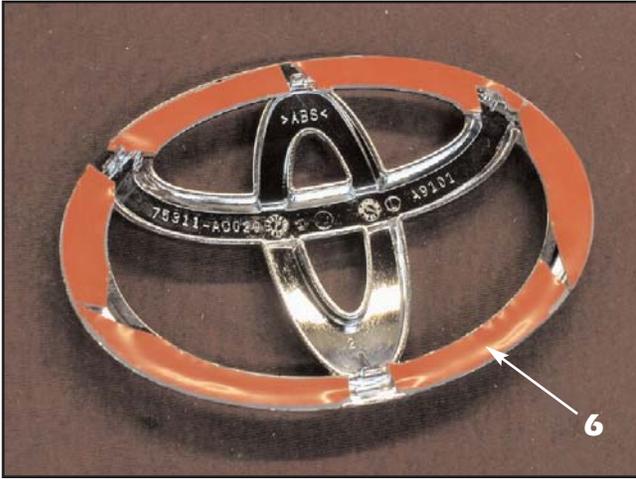
3. Unclip the lower edge of the factory grille and remove it from the bumper cover.



4. Cut out the supplied template and align it where shown on the bumper cover grille opening (the notches in the template will fit into raised portions of the bumper cover). Mark the hole locations with an awl or similar pointed tool, then flip the template over and mark driver side mounting holes.



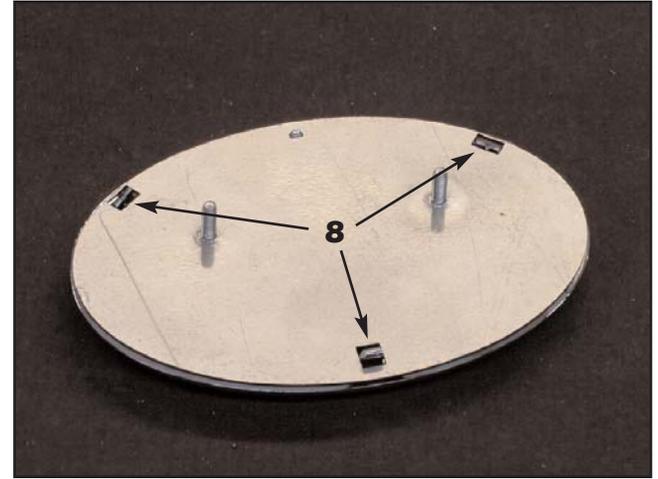
5. Use masking tape to tape around the factory grille opening 3/8" inside from the face of the bumper cover. Use flat or semi-gloss black paint and paint everything inside the taped factory grille opening that will be visible through the mesh grille.



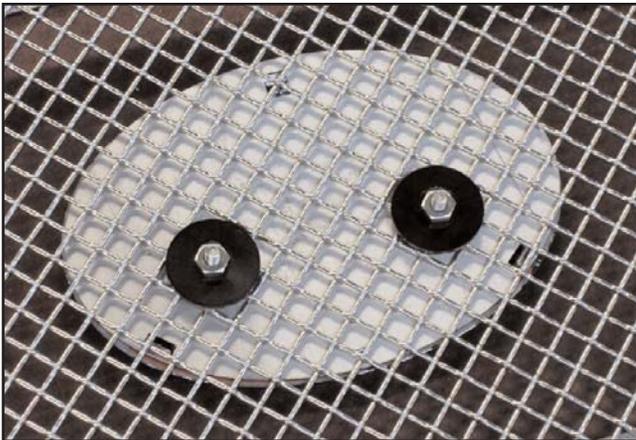
6. Carefully remove the emblem from the OEM grille by unclipping it.
7. Clean the back of the emblem and install the supplied double faced tape (where shown).



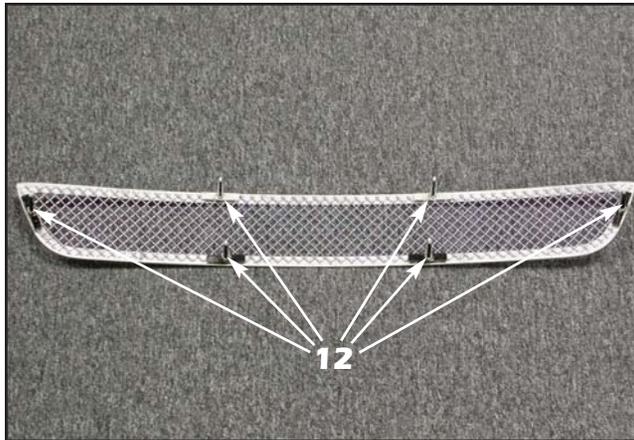
8. Peel off the double faced tape backing, align the mounting tabs through the slots in the emblem backing plate and press the emblem firmly in place to set the tape.



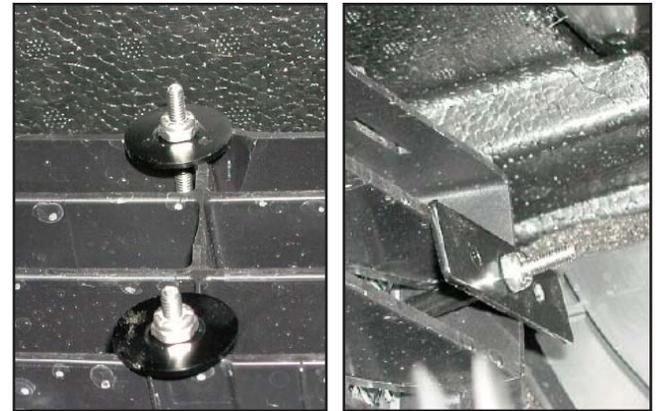
9. Trim the factory tabs protruding from the back of the emblem plate prior to installation onto the mesh grille to keep the tabs from contacting the mesh.



10. Carefully center the emblem assembly onto the mesh grille and install a 1" O.D. by 1/8" I.D. black plastic washer, stainless steel lock washer and a #8-32 stainless steel nut onto each stud (where shown) and tighten.



12. Trim the closed end from the supplied black silicone sleeves and install two onto each stud on the lower mesh grille section. Make sure that there is at least 1/4" of threads protruding from the silicone sleeves.



13. Install the lower mesh grille by carefully positioning it into the lower opening grille in the bumper cover and install the supplied black plastic washers and #8-32 ESNA half nuts (center four studs) and #8-32 ESNA nuts and brackets (one each end) to secure. You can access the mounting studs from the top or from underneath by removing one of the lower panels..



14. Align the mesh grille onto the bumper cover, making sure that the lower mounting pins fit into the holes drilled in Step 4. Align the radiator support cover in place, making sure it is underneath the E&G top plate. Mark the location of the top plate center push pin tab (where shown).



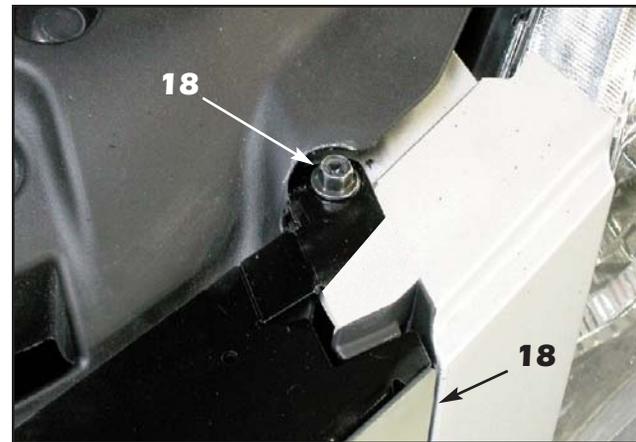
15. Mark the location of the top plate outer factory bolt hole locations (where shown, once each side). Remove the cover and trim the plastic where marked in order to reinstall it.



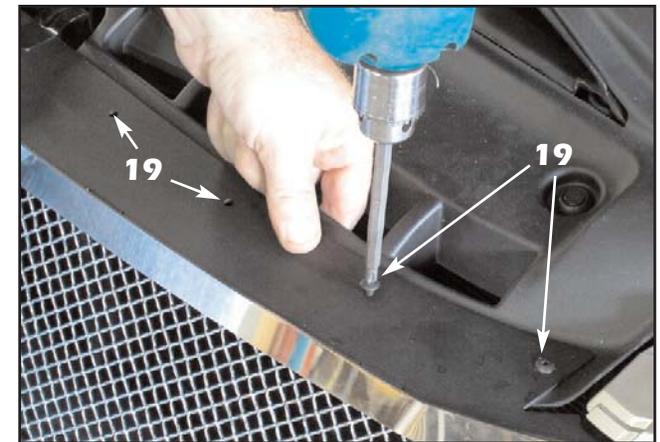
16. Realign the modified radiator support cover, making sure that the cover fits underneath the top mounting plate. Reinstall all factory plastic push pins.



17. Once the grille and radiator support cover are in place, install the center push pin to secure the grille.



18. Install the 10mm hex bolts to secure the top outer edges of the grille (align the sides of the grille so that they are approx. 1/16" - 1/8" inside the grille opening).



19. Use a slow speed drill with a #2 phillips bit to install the #8 x 1/2" black truss head screws, carefully allowing them to self tap into the plastic cover. **DO NOT OVERTIGHTEN!** Once the screws have started to self tap, finish the installation with a phillips screw driver until the plastic is tight against the plate.



20. Finished installation.