

IMPORTANT: PLEASE RETAIN THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE



2008-11 Cadillac STS Upper & Lower Classic Mesh Grille Installation Instructions D 05 H0 R



STS Classic 2 Piece "Heavy" Mesh Grille Part #1006-0104-08

Quantity	Description	Part No.
1	Mesh Grille Complete- Upper (includes): *****	
(1)	STS Classic Grille Frame	1006-0141-08
(1)	STS Classic Upper Mesh Insert	1006-0040-08
(1)	STS Classic Upper Mounting Plate	1006-0210-08
(1)	Upper Mesh Retaining Plate	1006-0044-08
(1)	Small "E&G Classics" Emblem	1999-0268-00
(8)	3/16" x 1/2" x .062" Black Nylon Washers	1999-0256-00
(12)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
(4)	#10-24 x 3/4" Countersunk Machine Screws	1999-0259-00
(4)	#10-24 ESNA Lock Nuts	1999-0226-00
1	Mesh Grille Complete - Lower (includes): *****	
(1)	STS Mesh Lower Insert	1006-0041-08
(1)	STS Mesh Lower Frame	1006-0022-08
(6)	Stainless Steel Finishing Washers	3999-9105-00R
(6)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
1	STS Lower Mesh Grille Lower Retainer	1006-0049-08
1	Hardware Kit (components listed below): 1006-1902-08	
(60")	.045" x .375" Double Faced Tape	3004-9246-92
(24")	.045" x 1" Double Faced Tape	3004-9244-92
(1)	STS Emblem Mounting Plate w/Studs	1006-0158-08
(1)	Rectangular Mounting Washer	1009-0156-02
(2)	#10 S.S. Flat Washers	3999-9551-00
(2)	#10 S.S. Lock Washers	1999-9555-00
(2)	#8-32 S.S. Hex Nuts	1999-9072-00
(4)	#8 x 1/2" Black Truss Head Screws	3999-9035-00
(7)	1/4-20 x 3/4" Hex Bolts	1999-0061-00
(7)	1/4-20 ESNA Lock Nuts	1999-0240-00
(4)	Upper Grille Shims	1006-0167-08
(9)	.130" x 5" Black Cable Ties	1999-0301-00
(7)	1/4" Flat Washers	1999-1951-00

STS Classic 2 Piece Dual Weave Mesh Grille Part #1006-0104-08D

Quantity	Description	Part No.
1	Dual Weave Mesh Grille Complete- Upper(includes): *****	
(1)	STS Classic Grille Frame	1006-0141-08
(1)	STS Classic Upper Dual Weave Mesh Insert	1006-0040-08D
(1)	STS Classic Upper Mounting Plate	1006-0210-08
(1)	Upper Mesh Retaining Plate	1006-0044-08
(1)	Small "E&G Classics" Emblem	1999-0268-00
(8)	3/16" x 1/2" x .062" Black Nylon Washers	1999-0256-00
(12)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
(4)	#10-24 x 3/4" Countersunk Machine Screws	1999-0259-00
(4)	#10-24 ESNA Lock Nuts	1999-0226-00
1	Dual Weave Mesh Grille Complete -Lower(includes): *****	
(1)	STS Dual Weave Mesh Lower Insert	1006-0041-08D
(1)	STS Mesh Lower Frame	1006-0022-08
(6)	Stainless Steel Finishing Washers	3999-9105-00R
(6)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
1	STS Lower Mesh Grille Lower Retainer	1006-0049-08
1	Hardware Kit (components listed below): 1006-1902-08	
(60")	.045" x .375" Double Faced Tape	3004-9246-92
(24")	.045" x 1" Double Faced Tape	3004-9244-92
(1)	STS Emblem Mounting Plate w/Studs	1006-0158-08
(1)	Rectangular Mounting Washer	1009-0156-02
(2)	#10 S.S. Flat Washers	3999-9551-00
(2)	#10 S.S. Lock Washers	1999-9555-00
(2)	#8-32 S.S. Hex Nuts	1999-9072-00
(4)	#8 x 1/2" Black Truss Head Screws	3999-9035-00
(7)	1/4-20 x 3/4" Hex Bolts	1999-0061-00
(7)	1/4-20 ESNA Lock Nuts	1999-0240-00
(4)	Upper Grille Shims	1006-0167-08
(9)	.130" x 5" Black Cable Ties	1999-0301-00
(7)	1/4" Flat Washers	1999-1951-00

STS Classic 2 Piece Fine Mesh Grille w/Adaptive Cruise Part #1006-0102-08AC

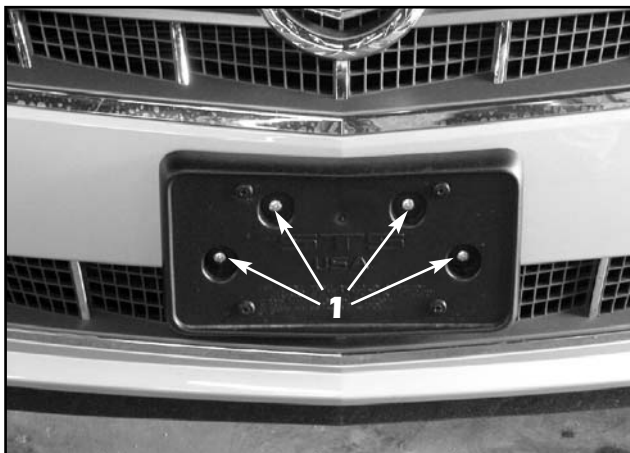
Quantity	Description	Part No.
1	Mesh Grille Complete- Upper (includes): *****	
(1)	STS Classic Grille Frame	1006-0141-08
(1)	STS Classic Adaptive Cruise Upper Mesh Insert	1006-0020-08AC
(1)	STS Classic Upper Mounting Plate	1006-0210-08
(1)	Upper Mesh Retaining Plate	1006-0044-08
(1)	Small "E&G Classics" Emblem	1999-0268-00
(8)	Revised Stainless Steel Finishing Washers	3999-9105-00R
(12)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
(2)	#10-24 x 3/4" Countersunk Machine Screws	1999-0259-00
(2)	#10-24 x 3/4" Pan Head Machine Screws	1999-0225-00
(4)	#10-24 ESNA Lock Nuts	1999-0226-00
1	Mesh Grille Complete - Lower (includes): *****	
(1)	STS Mesh Lower Insert	1006-0021-08
(1)	STS Mesh Lower Frame	1006-0022-08
(6)	Stainless Steel Finishing Washers	3999-9105-00R
(6)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
1	STS Lower Mesh Grille Lower Retainer	1006-0049-08
1	Hardware Kit (components listed below): 1006-1902-08AC	
(5')	.045" x .375" Double Faced Tape	3004-9246-92
(3')	.045" x .250" Double Faced Tape	3004-9250-92
(1)	STS Adaptive Cruise Emblem Mounting Ring	1006-0158-08AC
(2)	#8-32 ESNA Half Nuts	1999-0065-00
(2)	Small Black Plastic Washers	1999-0256-00
(4)	#8 x 1/2" Black Truss Head Screws	3999-9035-00
(7)	1/4-20 x 3/4" Hex Bolts	1999-0061-00
(7)	1/4-20 ESNA Lock Nuts	1999-0240-00
(4)	Upper Grille Shims	1006-0167-08
(9)	.130" x 5" Black Cable Ties	1999-0301-00
(7)	1/4" Flat Washers	1999-1951-00

Please take your time and read the instructions. While this appears to be a very complicated procedure, if you take this job one step at a time, you will find that the average person can perform this procedure without difficulties.

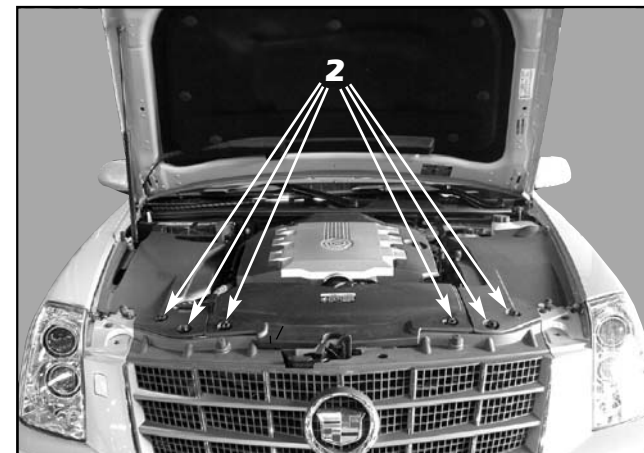
E&G Classics recommends that as you take the various push fasteners from from the bumper cover, place them in bags or containers and lable the locations they were removed from. There are several different size push fasteners and they must be installed back in the holes they came out of for proper reassembly.

STS Classic 2 Piece Fine Mesh Grille Part #1006-0102-08

Quantity	Description	Part No.
1	Mesh Grille Complete- Upper (includes): *****	
(1)	STS Classic Grille Frame	1006-0141-08
(1)	STS Classic Upper Mesh Insert	1006-0020-08
(1)	STS Classic Upper Mounting Plate	1006-0210-08
(1)	Upper Mesh Retaining Plate	1006-0044-08
(1)	Small "E&G Classics" Emblem	1999-0268-00
(8)	3/16" x 1/2" x .062" Black Nylon Washers	1999-0256-00
(12)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
(4)	#10-24 x 3/4" Countersunk Machine Screws	1999-0259-00
(4)	#10-24 ESNA Lock Nuts	1999-0226-00
1	Mesh Grille Complete - Lower (includes): *****	
(1)	STS Mesh Lower Insert	1006-0021-08
(1)	STS Mesh Lower Frame	1006-0022-08
(6)	Stainless Steel Finishing Washers	3999-9105-00R
(6)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
1	STS Lower Mesh Grille Lower Retainer	1006-0049-08
1	Hardware Kit (components listed below): 1006-1902-08	
(60")	.045" x .375" Double Faced Tape	3004-9246-92
(24")	.045" x 1" Double Faced Tape	3004-9244-92
(1)	STS Emblem Mounting Plate w/Studs	1006-0158-08
(1)	Rectangular Mounting Washer	1009-0156-02
(2)	#10 S.S. Flat Washers	3999-9551-00
(2)	#10 S.S. Lock Washers	1999-9555-00
(2)	#8-32 S.S. Hex Nuts	1999-9072-00
(4)	#8 x 1/2" Black Truss Head Screws	3999-9035-00
(7)	1/4-20 x 3/4" Hex Bolts	1999-0061-00
(7)	1/4-20 ESNA Lock Nuts	1999-0240-00
(4)	Upper Grille Shims	1006-0167-08
(9)	.130" x 5" Black Cable Ties	1999-0301-00
(7)	1/4" Flat Washers	1999-1951-00



1. Remove the phillips screws retaining the front tag bracket (if equipped) and save for reinstallation.



2. Open the hood and remove the radiator support cover and attached weatherstripping (save for reinstallation).



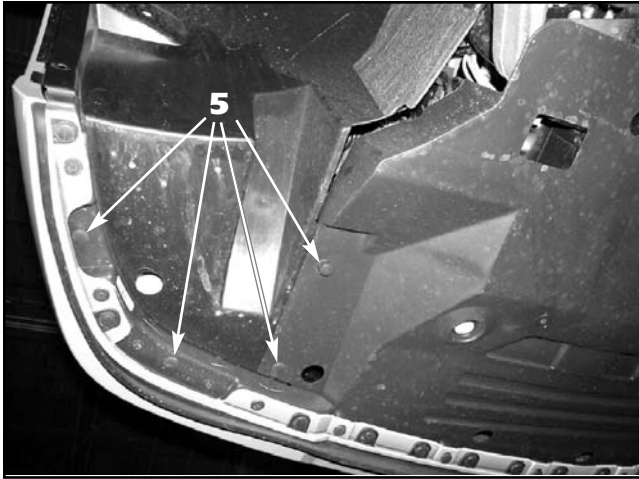
3. Remove the push pins from each side (where shown).



4. From underneath the vehicle: E&G recommends either lifting the car with a lift, or raising the vehicle and installing jack stands before proceeding. Remove the two push pins located in the front wheel openings (each side) and four push pins located inside the wheel well.

STS Classic Lower Fine Mesh Grille Part #1006-010L-08

Quantity	Description	Part No.
1	Mesh Grille Complete - Lower (includes): *****	
(1)	STS Mesh Lower Insert	1006-0021-08
(1)	STS Mesh Lower Frame	1006-0022-08
(6)	Stainless Steel Finishing Washers	3999-9105-00R
(6)	Stainless Steel Rivets - SSD46SSBS	1999-2991-00
1	STS Lower Mesh Grille Lower Retainer	1006-0049-08
1	Hardware Kit (components listed below): 1006-1903-08	
(7)	1/4-20 x 3/4" Hex Bolts	1999-0061-00
(7)	1/4-20 ESNA Lock Nuts	1999-0240-00
(4)	.130" x 5" Black Cable Ties	1999-0301-00
(7)	1/4" Flat Washers	1999-1951-00



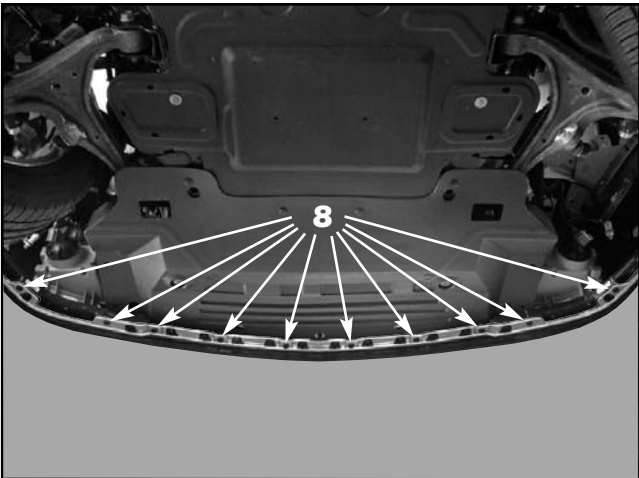
5. Remove the four (4) lower plastic push pins that secure the left and right forward portions of the inner wheel wells and remove them the following disassembly procedures.



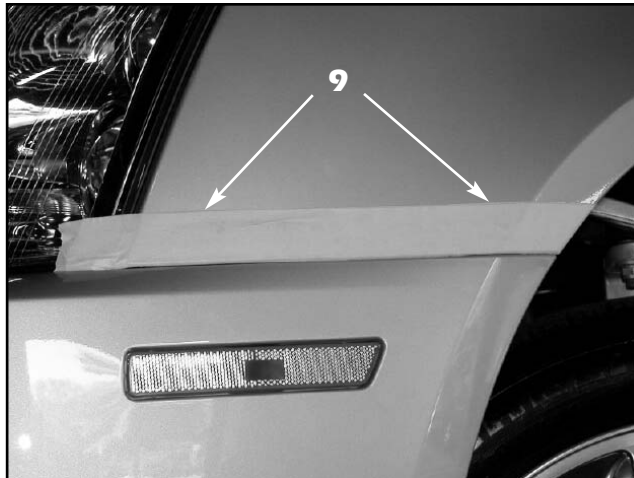
6. Disconnect the side marker lamps (A) and the lower driving lamp electrical connector (B) on each side.



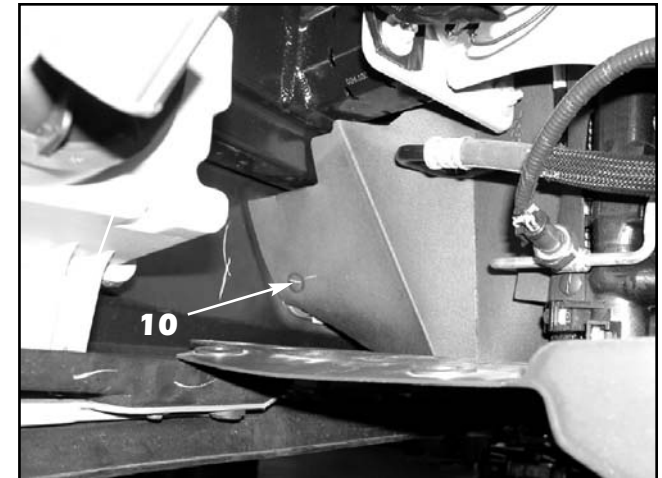
7. Disconnect and plug the high pressure headlamp washer line from the pump (C). A 1/4" I.D. rubber plug works best (not supplied). If a plug is not available, allow the fluid to drain into a clean container and refill the reservoir once the line is reconnected.



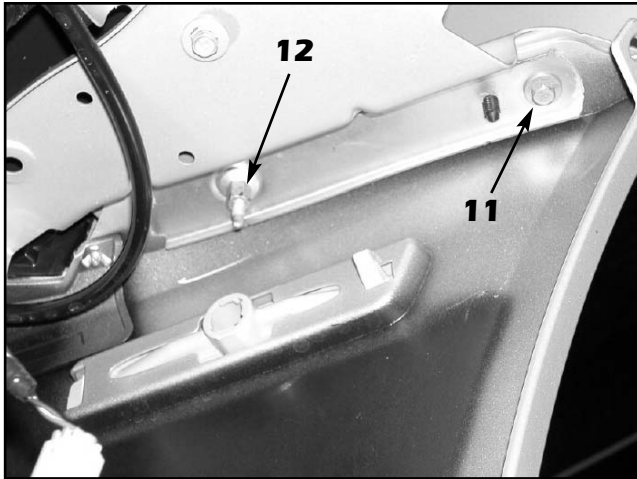
8. Remove the eight (8) plastic push pins that secure the bottom of the bumper cover to the lower plastic cover.



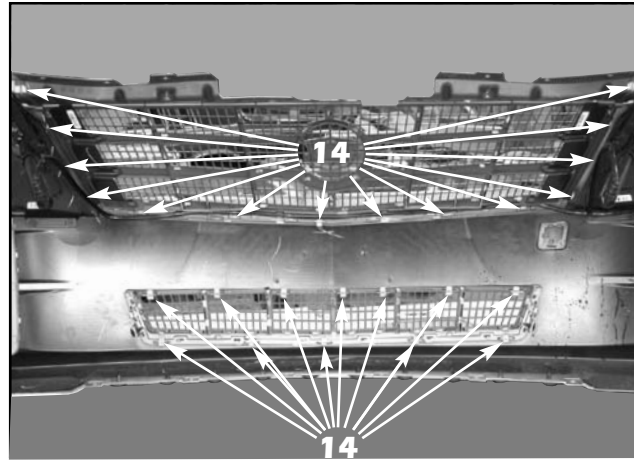
9. Apply several layers of masking tape to the lower edges of the front fenders as shown to protect the paint.



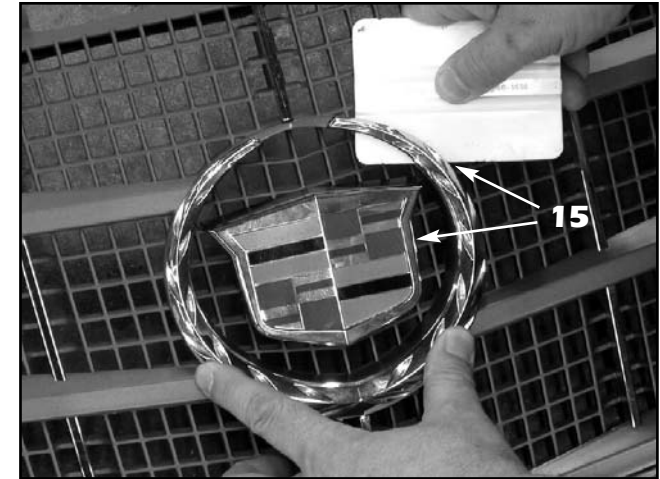
10. Remove the two plastic push fasteners (1 each side) that attach the flexible air deflectors to the bumper cover/lower grille opening.



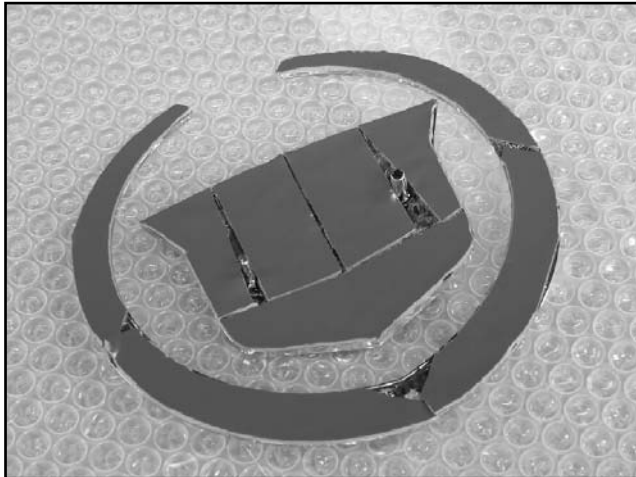
11. Use a 10mm socket to remove the attaching bolts (one per side).
12. Use a 10mm deep socket and loosen but do not remove the nut from the stud (one per side, run the nut half way down the stud).



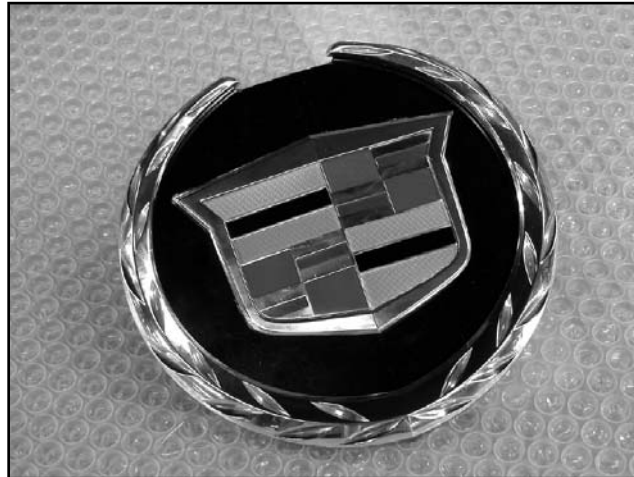
13. With assistance from a co-worker, carefully pull the front bumper cover forward until it clears the front bumper reinforcement, then place the bumper cover onto a clean workbench for factory grille section removal.
14. Remove all the factory clips from the upper and lower grilles and remove them from the bumper cover.



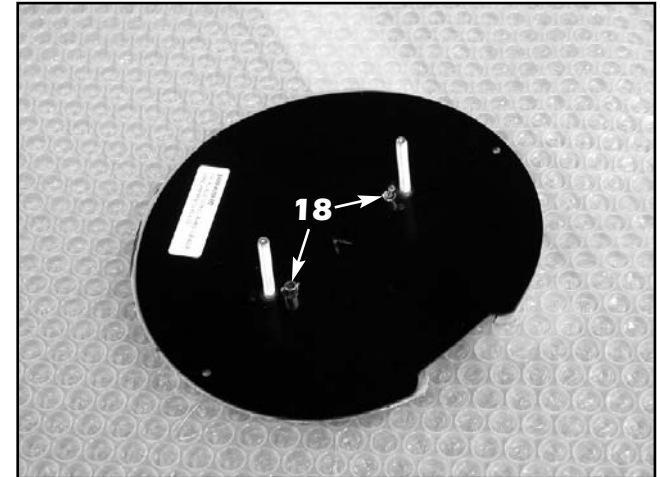
15. Use a body putty spreader or other non-metallic tool to remove the Cadillac wreath and crest from the factory grille. Do not try and use a screwdriver as you will damage the wreath and crest.



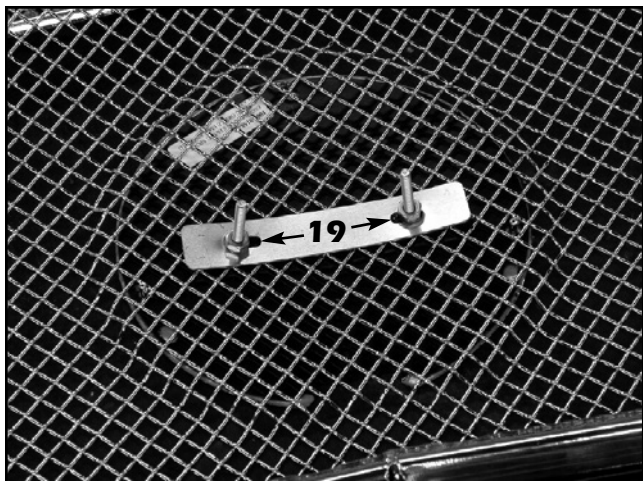
16. Install the supplied double faced tape to the back of the wreath and crest emblems.



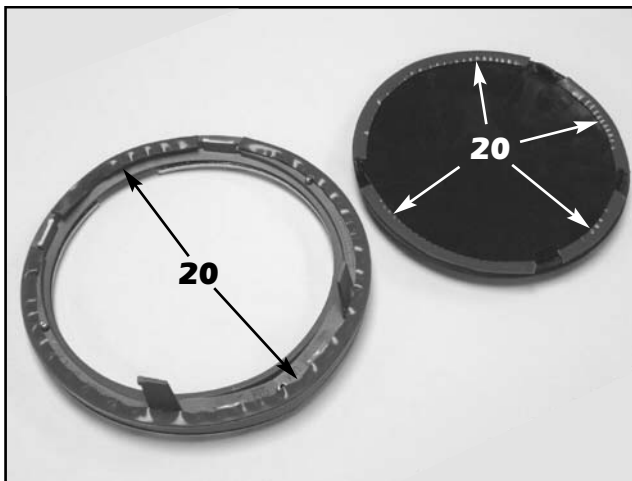
17. Peel off the backing from the double faced tape, align the mounting pins with the holes in the emblem backing plate and press the emblems firmly into place to set the tape.



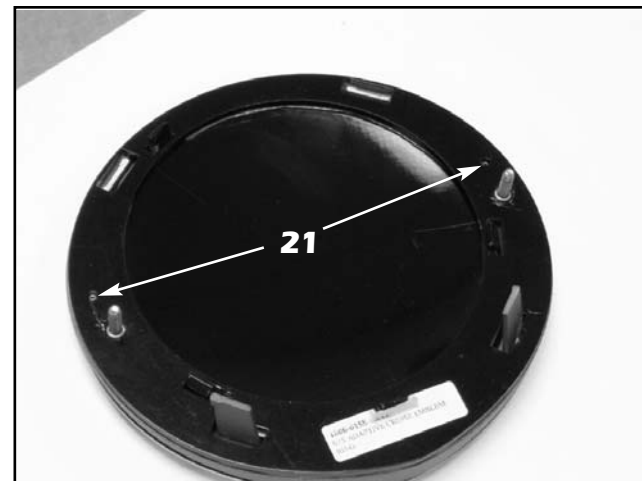
18. Once the emblems are installed, use a disc grinder to remove the alignment pins on the emblems prior to installation on the mesh grille.



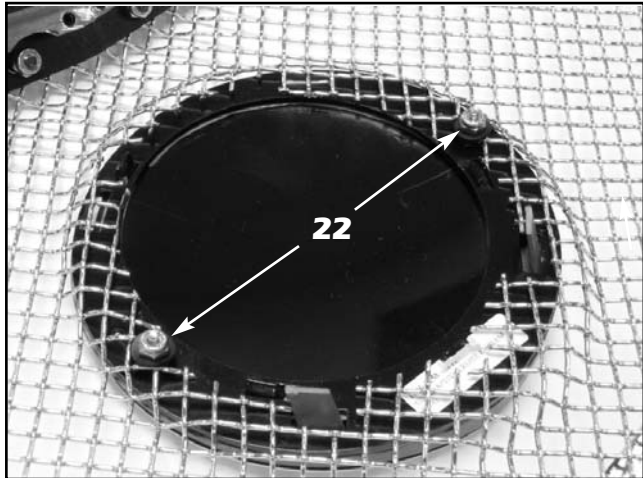
19. Install the emblem assembly onto the grille using the large black plastic washers, stainless steel flat washers, stainless steel lock washers and #8-32 hex nuts. Make sure that the emblem is centered in the opening and tighten the hardware.



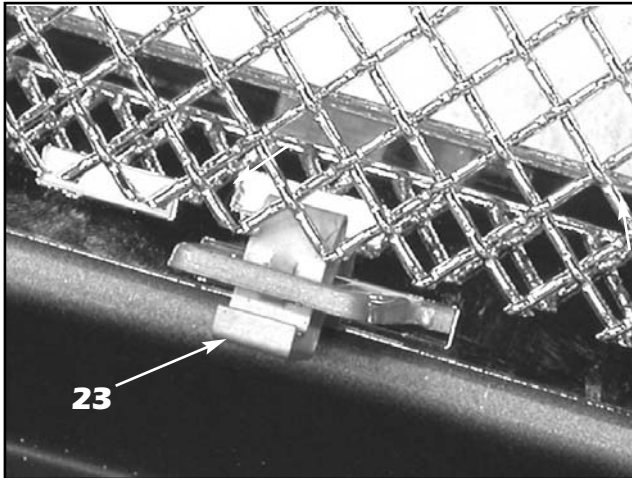
20. **For vehicles equipped with Adaptive Cruise Control:** Unclip the factory wreath and crest emblems from the factory grille and install the supplied 1/4" x .040" double faced tape as shown. Remove the upper mounting tabs from the crest emblem so that they will not be visible through the mesh grille.



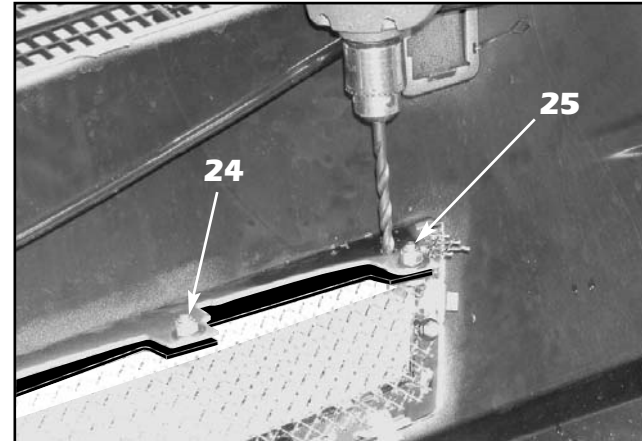
21. Install the factory wreath and crest onto the supplied emblem mounting plate, making sure that the crest alignment pins fit through the holes in the mounting plate (where shown).



22. Install the assembled emblem plate onto the center of the mesh grille recess using the supplied small black plastic washers and the #8-32 ESNA half nuts. Make sure that the emblem plate is perfectly centered and level before tightening the nuts.

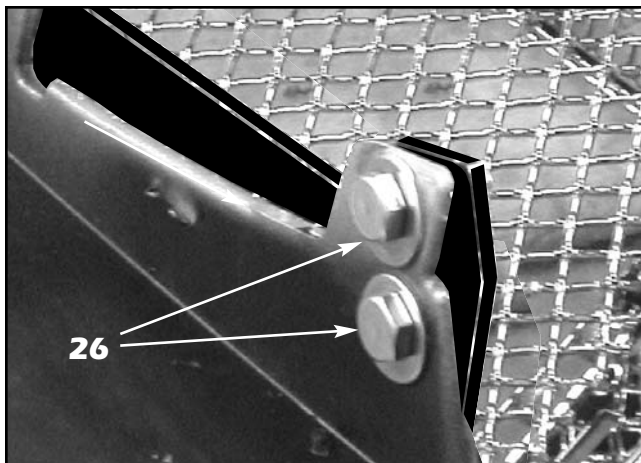


23. Install the lower mesh grille assembly into the bumper opening reusing seven (7) of the original grille clips across the bottom and on the sides.



24. Install the supplied 1/4 - 20 x 3/4" bolts through the lower black mesh retainer and through the upper mounting holes across the top of the lower grille opening and secure the bolts using 1/4" flat washers and 1/4 - 20 ESNA nuts, completely tightening.

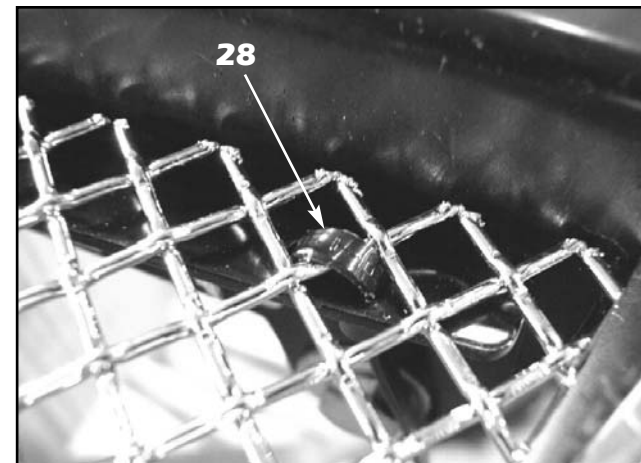
25. Using a 5/16" drill bit, located the secondary holes in the lower black mesh retainer (one each end) and drill a corresponding hole through the factory grille return (as shown).



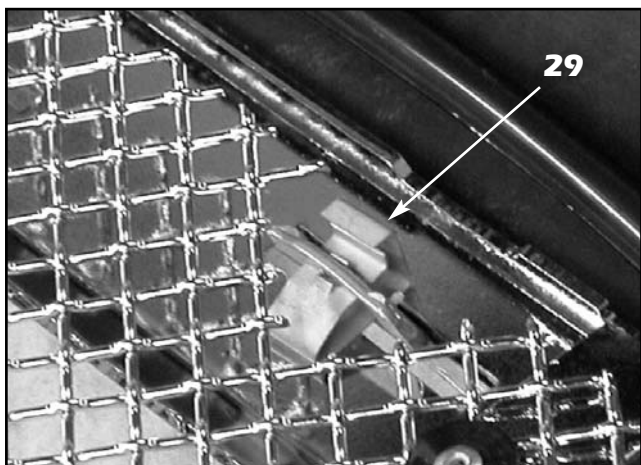
26. Install the outer 1/4 x 20 x 3/4" hex bolts and 1/4" flat washers through the hole drilled in the previous step, through the mesh section and install a 1/4-20 ESNA nut. Only the outer bolts should be oriented this way.



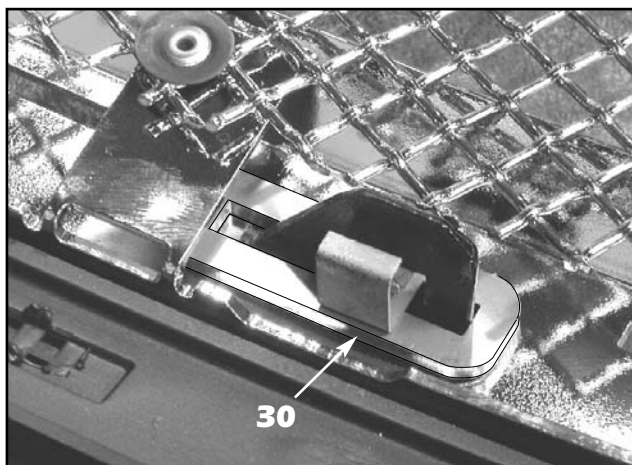
27. To attach the top edge of the E&G mesh section to the black mesh retainer, pass the supplied black cable ties through the slot in the retainer, loop around the mesh wire and pass the cable tie back through the adjacent slot in the black mesh retainer (one each side, two in the center).



28. Tighten the cable tie using pliers to secure the top edge of the mesh to the black mesh retainer.



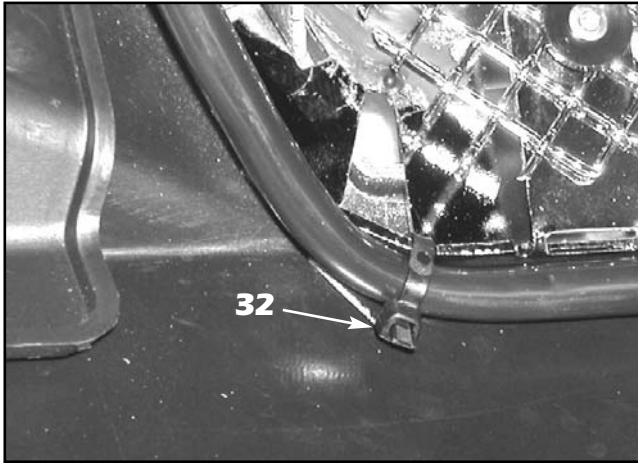
29. Align the upper grille so that the mounting tabs in the bumper cover protrude through the openings in the bottom of the grille frame. Reinstall the factory clips that retained the O.E. grille in place to secure the E&G grille.



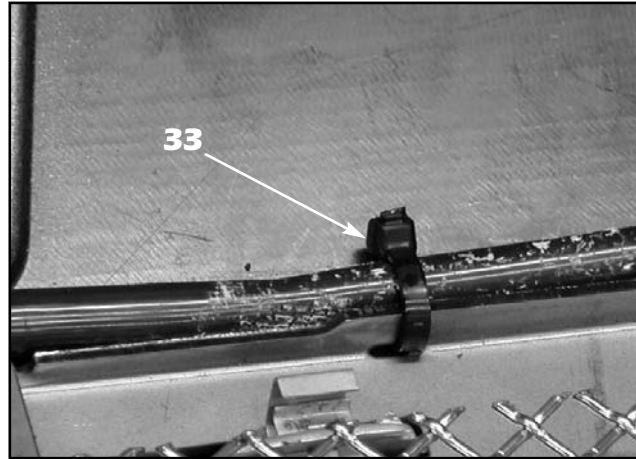
30. Once all the factory grille clips have been reinstalled across the bottom of the upper grille, align the supplied shims over the side bottom and center bumper cover mounting tabs and then install the factory retaining clips. The side upper mounting tab requires no shim.



31. Once all the factory grille clips have been reinstalled, use a disc grinder to grind down the inner plastic flange on the bumper cover where the headlamp washer "T" fitting is located. This will add clearance once the assembled bumper cover is reinstalled.



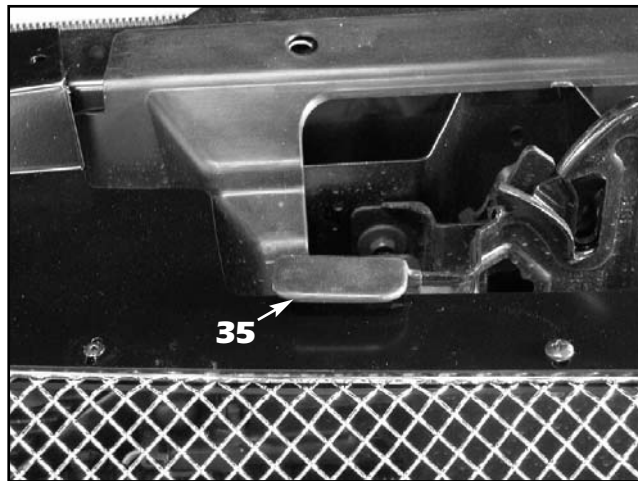
32. Use the supplied cable ties to secure the headlamp washer high pressure line to the lower corners of the grille frame.



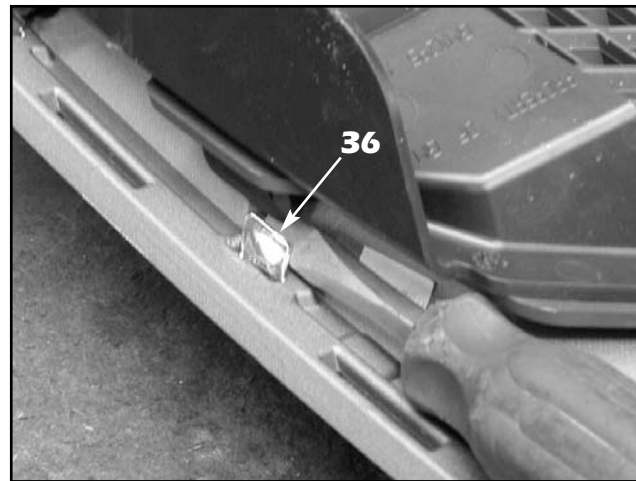
33. Use the supplied cable ties to secure the headlamp washer high pressure line across the bottom edge of the grille frame.



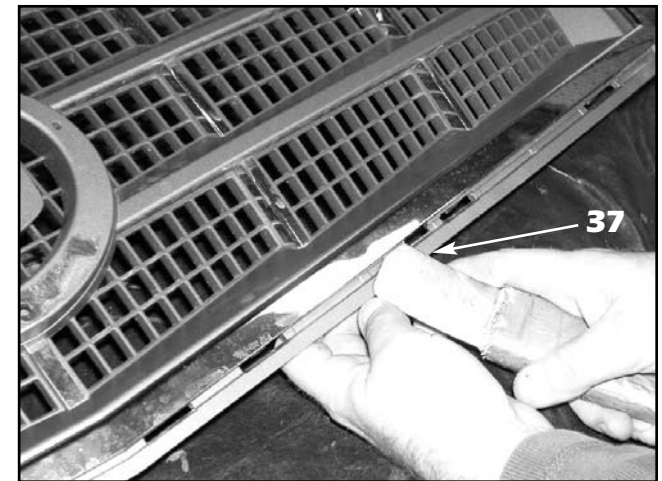
34. With the help of a co-worker, realign the assembled front bumper cover back onto the vehicle. Once the bumper cover alignment studs are lined up and the bumper cover is flush with the front fenders, apply masking tape to the bumper cover and front fenders to keep the bumper cover from unhooking from the front fenders until all factory fasteners are reinstalled.



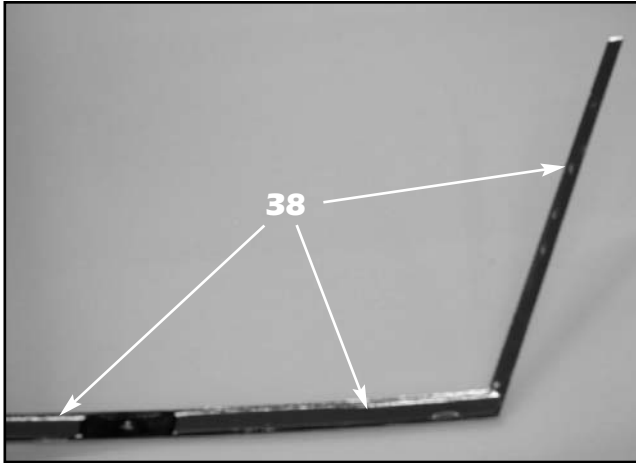
35. If the hood latch lever is touching the grille top plate, bend the lever back until it clears the top plate by at least 1/4".



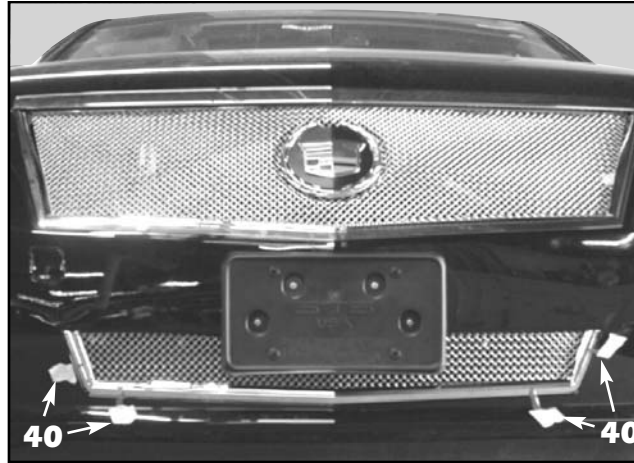
36. Use a flat blade screwdriver to break off the alignment tabs on the upper and lower factory grille chrome trim.



37. Finish grinding off the tabs protruding through the factory grille that retain the perimeter chrome trim. Use a wide, flat tool (like a tucking tool or equivalent) to gently remove the perimeter chrome trim from the factory grille.



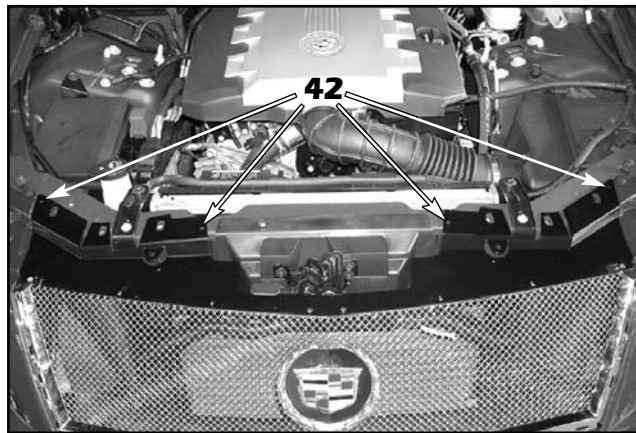
38. Once all the mounting tabs / alignment tabs are carefully ground flush, install the supplied 3/8" wide double faced tape to the back of the thoroughly cleaned upper and lower chrome trim. Place the tape across the bottom of the mouldings in the slight recess only (as shown).



39. Use glass cleaner to wipe the upper and lower grille sections clean to remove grease and fingerprints.
30. Peel back a small section of double faced tape, align the factory mouldings over the upper and lower grille frames (make sure that the lower corners are aligned first) and slowly peel off the tape backing once the mouldings are properly aligned. Press the mouldings firmly in place to set the tape.



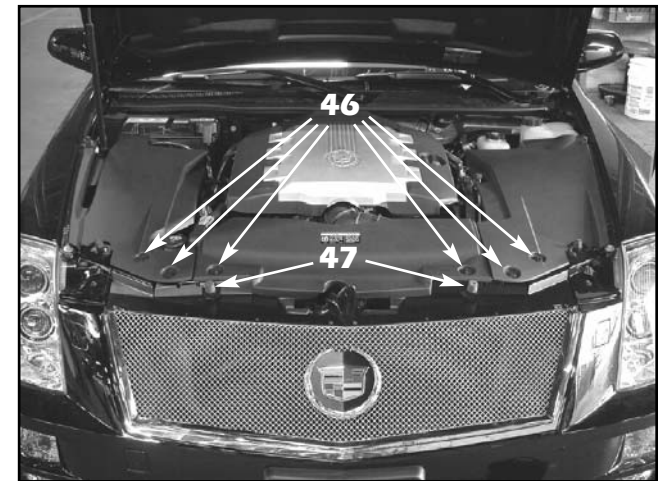
41. Close the hood and check for grille to hood cap alignment. Push or pull the grille in or out until the factory moulding attached to the E&G chrome frame is aligned with the factory hood cap.
42. Once the grille is properly aligned, open the hood and drill through the four (4) top plate mounting holes and install the supplied 1/2" black truss head screws to secure the grille (see next photo for screw locations).



43. Truss head screw locations from Step 42.



44. Once the truss head screws are installed, reinstall four (4) factory push pins to secure the top of the bumper cover to the radiator support panel (2 per side).
45. Reconnect the headlamp washers, side marker lamps, lower driving lamp electrical connectors, reinstall the forward portions of the inner wheel wells and reinstall all factory push fasteners to reattach the bumper cover. Remove the masking tape from the bumper cover and front fenders installed in Step 28.



46. Reinstall the radiator and engine bay covers, reusing the factory fasteners.
47. Remove the rubber bumpers from the factory upper grille and install them into the tabs in the top plate.



48. Finished installation.