

IMPORTANT: PLEASE KEEP THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE !



2011 KIA Optima SX / EX Turbo Mesh Grille Upper and Lower Overlay



Part #: Complete 1310-0102-11SX / "Black Ice" Part #1310-B102-11SX
Upper Part #1310-010U-11SX / Lower Part #1310-010L-11



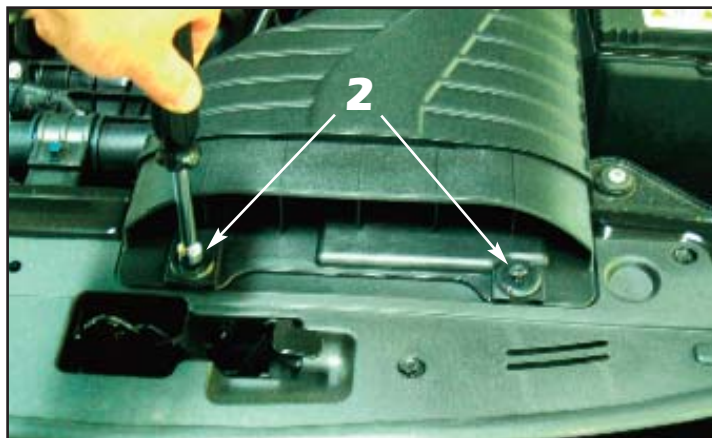
TOOLS REQUIRED

Automotive grade masking tape, short #2 Phillips screwdriver, #1 phillips screwdriver, black paint, 1/4" drive 9mm and 10mm socket and ratchet, small flat blade screwdriver or pick tool, soft clean cloths, mild

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1. Open the hood and remove the six (6) plastic Phillips screws from the top of the radiator support panel.



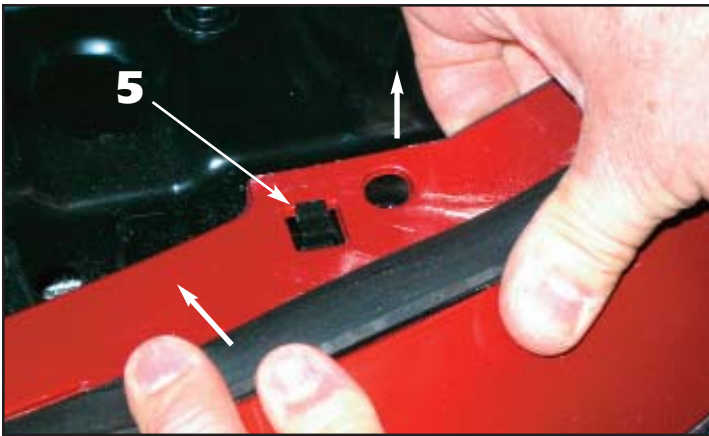
2. Remove the air intake from the vehicle by removing the two (2) 10mm hex bolts and lifting up and pulling the air intake toward you.



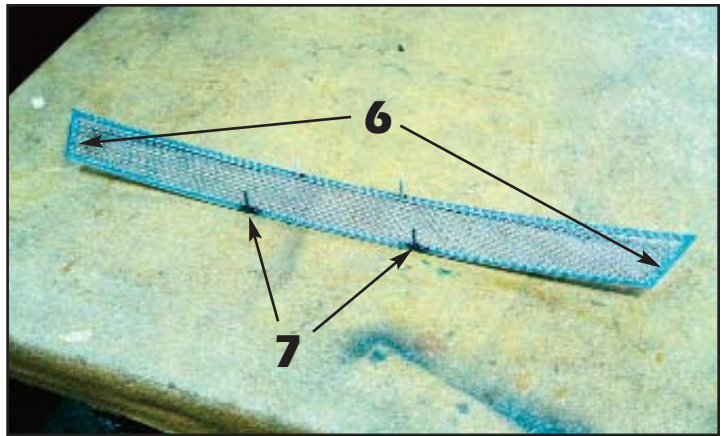
3. Lift up on the rear edge of the radiator support panel and pull it back to release the front edge from the bumper cover.



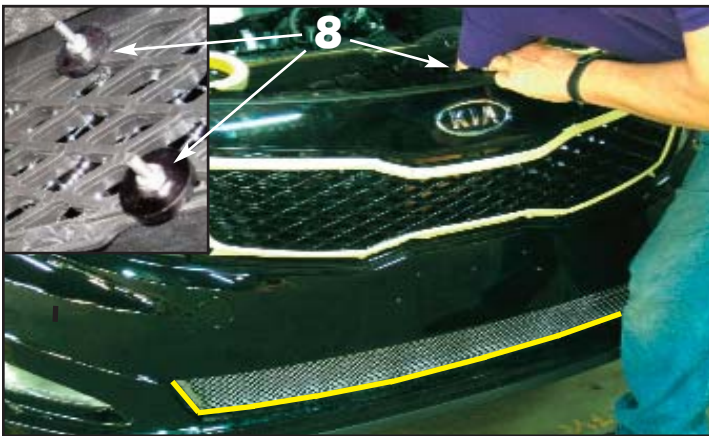
4. Remove the two (2) 10mm hex bolts from the top of the bumper cover.
4a. Apply masking tape to the chrome section of the upper grille and around the opening of the lower grille (not shown).



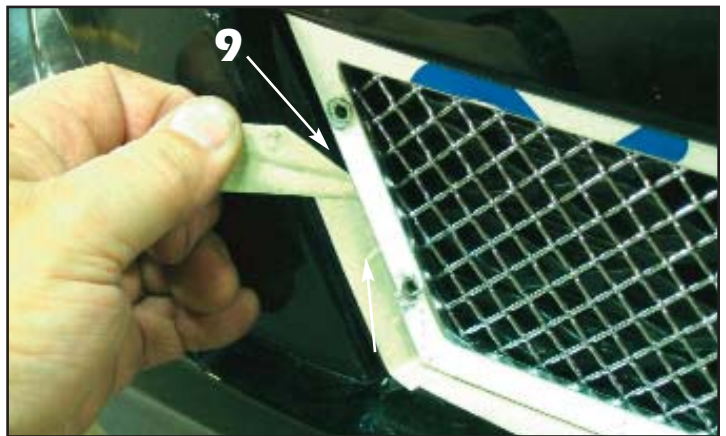
5. Push back on the bumper cover and lift up to unhook it from the core support.
- 5a. If the vehicle is equipped with a front license plate bracket, remove it at this time (not shown).



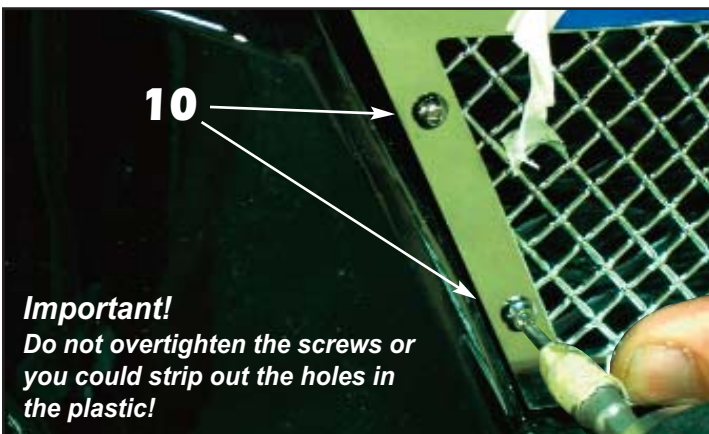
6. Install 2" of the supplied double faced tape onto each side of the lower grille surround and align the mesh over the back of the surround, pressing the mesh firmly to set the tape.
7. Apply black paint to the lower mounting studs only to help conceal them once the grille is installed.



8. Align the assembled lower grille into place, reach down from the top and install the supplied large black plastic washers and #8-32 ESNA half nuts onto the mounting studs and tighten until the washers no longer rotate.



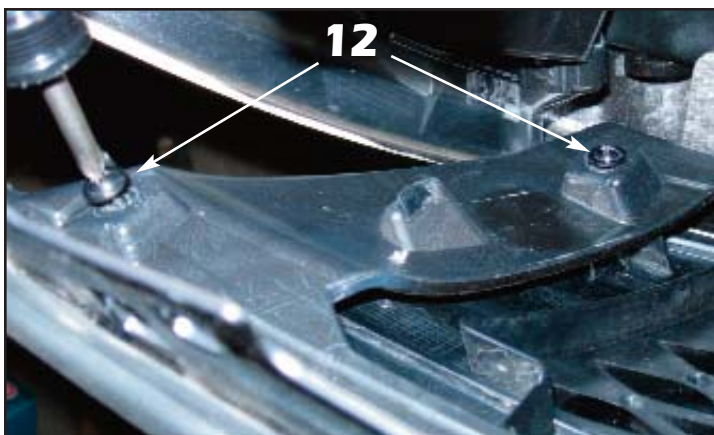
9. Remove the protective masking tape around the lower grille surround at this time. Carefully pull it back over itself to minimize breakage.



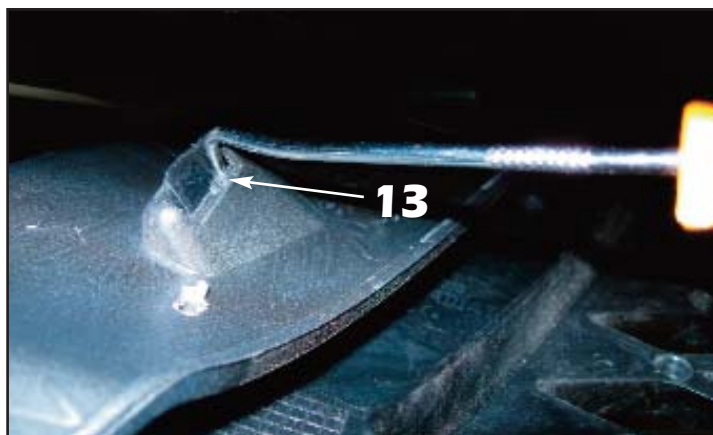
10. Peel back the protective covering from the surround, align the supplied #6 x 3/4" torx Pin head screws through the holes in the lower mesh surround and screw them into the lower grille plastic, allowing the screws to self-tap through the plastic and secure the outer edges of the grille surround.



11. Apply masking tape to the bumper cover underneath and around the sides of the factory grille.



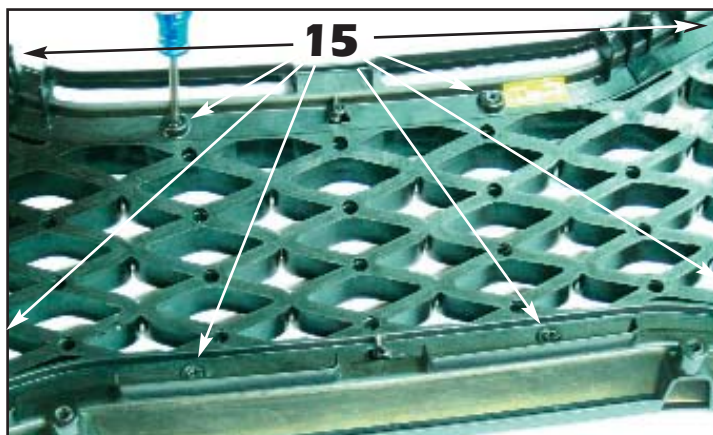
12. Pull the factory grille toward you far enough to access the side mounting screws. Use a short phillips screwdriver to remove the side screws (where shown) and the upper and lower screws across the center of the grille (not shown).



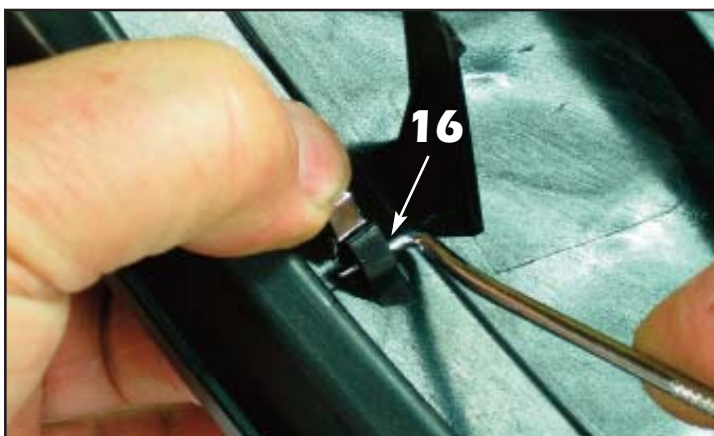
13. Use a small flat blade screwdriver or a small pick tool (shown) and insert it between the chrome alignment tab and the mounting boss in the bumper cover and pull or twist to release the mounting tabs (one per side).



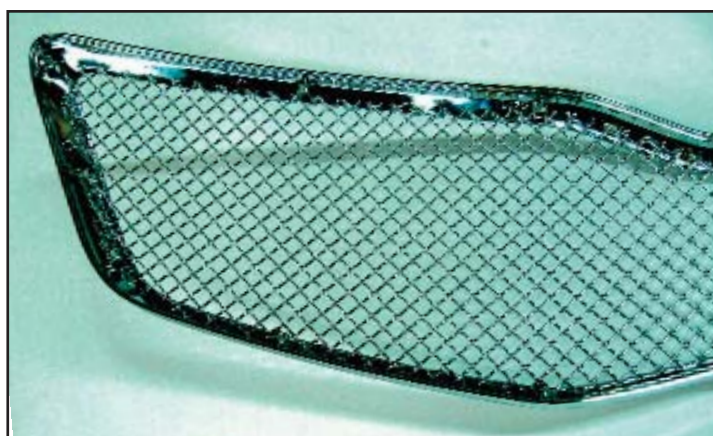
14. Carefully pull the grille straight out to release it from the bumper cover. **Use masking tape to cover the factory chrome moulding** before you remove it in the following steps. This will prevent the chrome from being scratched during the mesh installation.



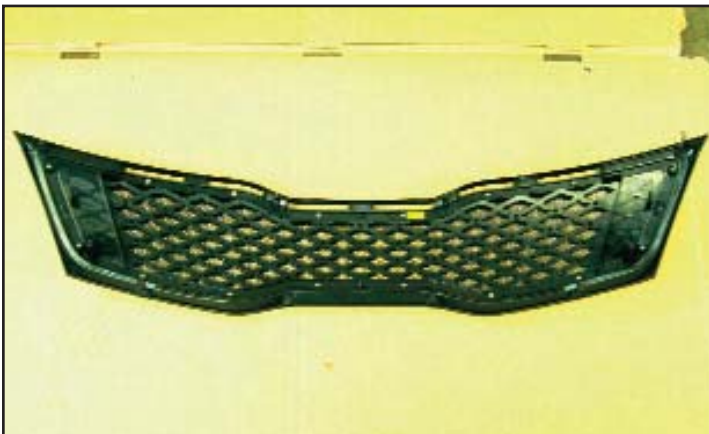
15. Remove all the #4 x 3/8" flat head phillips screws retaining the factory chrome moulding to the front of the grille (center section shown).



16. Use a small flat blade screwdriver or a small pick tool (shown) and insert it between the chrome mounting stud and the retaining tab in the bumper cover and pull or twist to release the mounting tabs (top, bottom and sides).



17. Once the factory chrome moulding is removed, align the mesh section over the back of the chrome moulding, making sure it fits inside the chrome moulding and the notches align with the screw bosses.



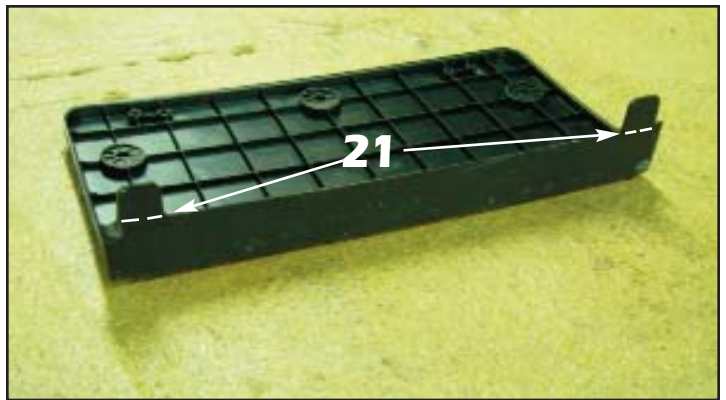
18. Realign the factory grille over the mesh section and chrome moulding, then install the supplied #4 x 1/2" flat head phillips screws to sandwich the mesh between the chrome moulding and the factory grille. Do not overtighten the screws or you will strip out the mounting holes.



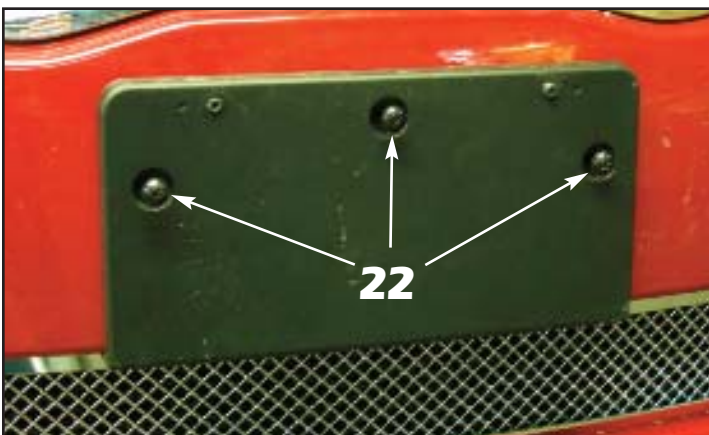
19. Reinstall the assembled grille back onto the bumper cover by reversing steps 12 through 16, then remove the protective masking tape.



20. Reverse Steps 1-5 to reassemble the radiator support panel and the air intake.



21. For vehicles equipped with a front license plate bracket, trim off the lower mounting tabs (see dashed lines).



22. Reinstall the front license plate bracket if equipped.
23. Peel off the protective cover from the lower S.S. surround and use a mild solvent with a soft clean cloth to remove any glue residue. Use alcohol and a soft clean cloth to remove any solvent residue.



Mesh Grille Part #1310-0102-11SX

Quantity:	Description:	Part Number:
1	Upper Mesh Section	1310-0020-11SX
1	Lower Mesh Grille Surround	1310-0022-11
1	Lower Mesh Section	1310-0021-11
1	Installation Hardware Kit	1310-1902-11SX
4	Large Black Plastic Washers	1999-0264-00
4	#8-32 ESNA Half Nuts	1999-0065-00
4"	.045" x .250" Double Faced Tape	3004-9244-92
16	#4 x 1/2" Phillips Screws	1999-0396-00
4	#6 x 3/4" Torx Pin Head Screws	1999-0109-00
1	Torx T-10 Pin Head Tool	1999-0107-00

Upper Mesh Grille Part #1310-010U-11SX

Quantity:	Description:	Part Number:
1	Upper Mesh Section	1310-0020-11SX
16	#4 x 1/2" Phillips Screws	1999-0396-00

"Black Ice" Mesh Grille Part #1310-B102-11SX

Quantity:	Description:	Part Number:
1	Upper Mesh Section	1310-0020-11SXB1
1	Lower Mesh Grille Surround	1310-0022-11
1	Lower Mesh Section	1310-0021-11B1
1	Installation Hardware Kit	1310-1902-11SX
4	Large Black Plastic Washers	1999-0264-00
4	#8-32 ESNA Half Nuts	1999-0065-00
4"	.045" x .250" Double Faced Tape	3004-9244-92
16	#4 x 1/2" Phillips Screws	1999-0396-00
4	#6 x 3/4" Torx Pin Head Screws	1999-0109-00
1	Torx T-10 Pin Head Tool	1999-0107-00

Lower Mesh Grille Part #1310-010L-11

Quantity:	Description:	Part Number:
1	Lower Mesh Grille Surround	1310-0022-11
1	Lower Mesh Section	1310-0021-11
1	Installation Hardware Kit	1310-1905-11
4	Large Black Plastic Washers	1999-0264-00
4	#8-32 ESNA Haf Nuts	1999-0065-00
4"	.045" x .250" Double Faced Tape	3004-9244-92
4	#6 x 3/4" Torx Pin Head Screws	1999-0109-00
1	Torx T-10 Pin Head Tool	1999-0107-00