

Component Procedures: Housing Assembly HVAC

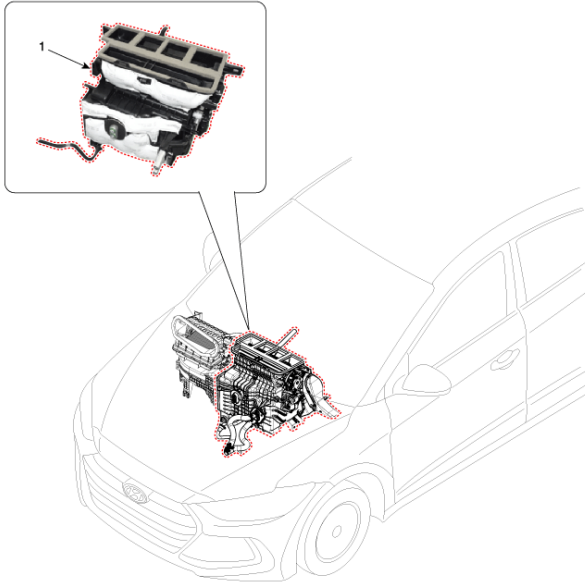
Table of Contents

1. Heater Unit - Components and Components Location (Article 44852)
2. Heater Unit - Repair Procedures (Article 44853)

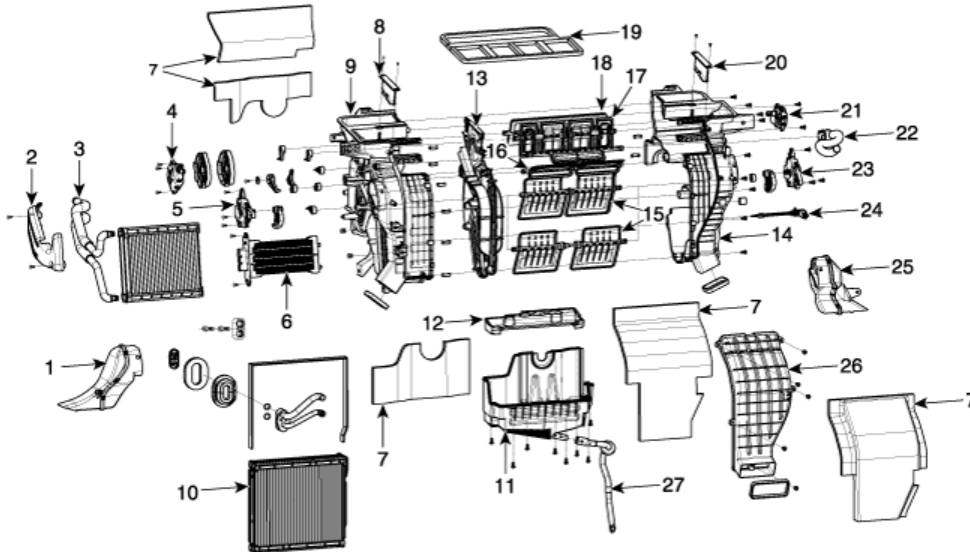
Component Procedures: Housing Assembly HVAC

Heater Unit - Components and Components Location (Article 44852)

- Component Location



1. Heater unit assembly
- Components



1. Shower duct [LH] 2. Heater core cover 3. Heater core & Seal assembly 4. Mode actuator 5. Temperature control actuator [LH] 6. PTC Heater 7. Heater unit pad 8. Air guide [LH] 9. Heater case [LH] 10. Evaporator core assembly 11. Heater core assembly 12. Evaporator lower insulation 13. Separator 14. Heater case [RH] 15. Temperature door assembly 16. Floor door assembly 17. Vent door assembly 18. Deforster door assembly 19. Center duct seal 20. Air guide [RH] 21. Auto defogging actuator 22. Hose 23. Temperature control actuator [RH] 24. Evaporator thermistor sub assembly 25. Shower duct [RH] 26. Rear console cover 27. Drain hose

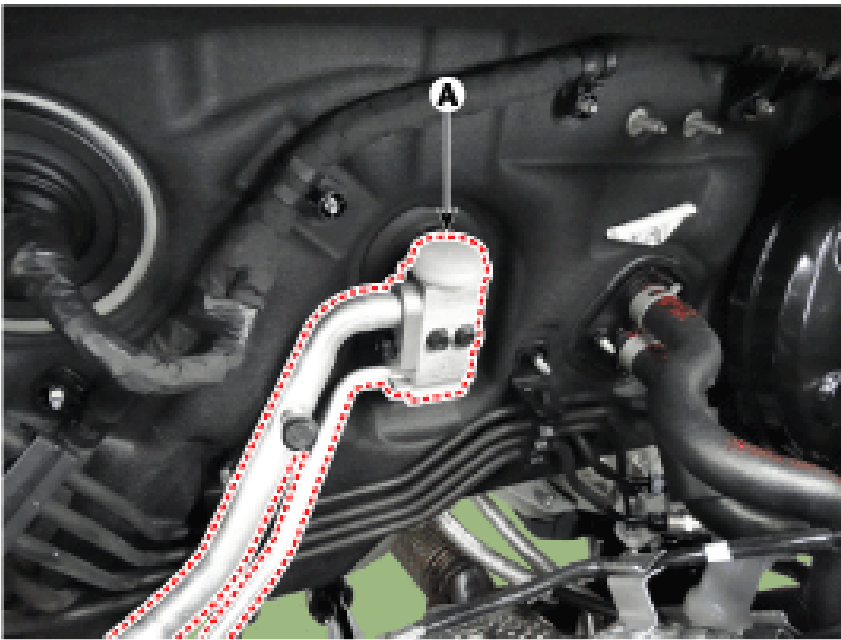
Heater Unit - Repair Procedures (Article 44853)

- Replacement

When prying with a flat-tip screwdriver or use a prying trim tool, wrap it with protective tape, and apply protective tape around the related parts, to prevent damage.

⚠ CAUTION

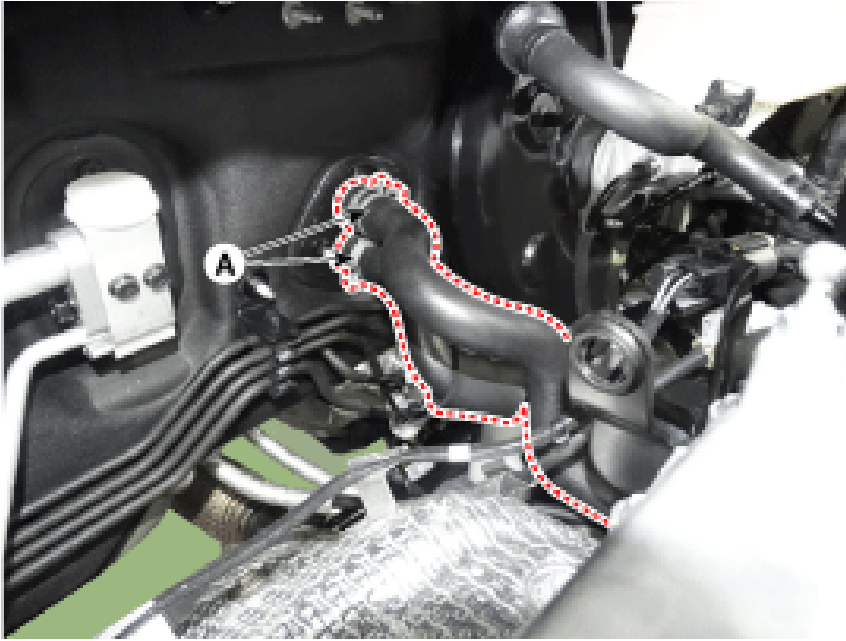
- Disconnect the negative (-) battery terminal.
- Recover the refrigerant with a recovery / recycling / charging station.
- When the engine is cool, drain the engine coolant from the radiator. (Refer to Engine Mechanical System - "Coolant")
- Remove the cowl top cover. (Refer to Body - "Cowl Top Cover")
- Remove the bolts and the expansion valve (A) from the evaporator core . Tightening torque : 8.8 - 13.7 N.m (0.9 - 1.4 kgf.m, 6.5 - 10.1 lb-ft) Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination. When installing, replace with a new O-ring.



Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination. When installing, replace with a new O-ring.

NOTICE

- Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination.
- When installing, replace with a new O-ring.
- Disconnect the heater hoses (A) from the heater unit . Engine coolant will run out when the hoses are disconnected; drain it into a clean drip pan. Be sure not to let coolant spill on electrical parts or painted surfaces. If any coolant spills, rinse it off immediately.

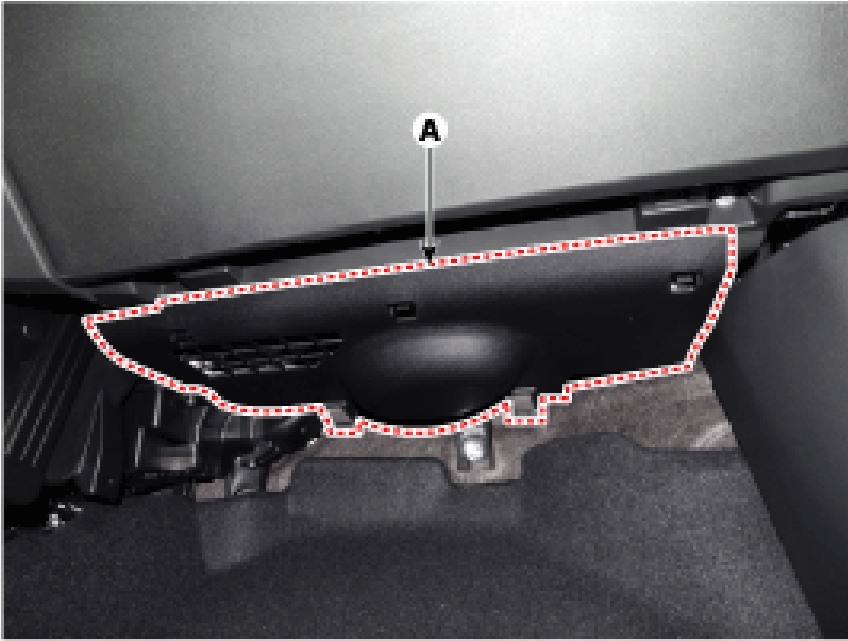


Engine coolant will run out when the hoses are disconnected; drain it into a clean drip pan. Be sure not to let coolant spill on electrical parts or painted surfaces. If any coolant spills, rinse it off immediately.

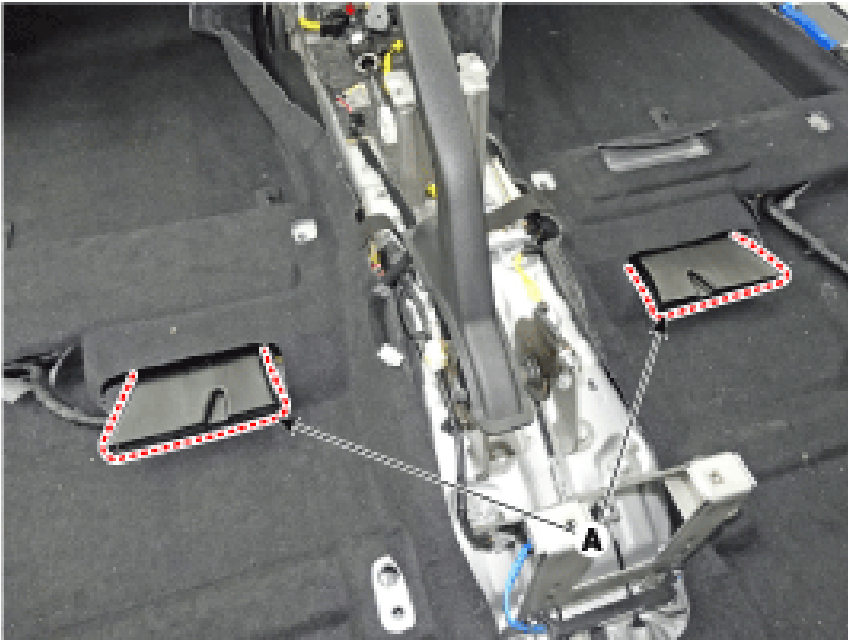
- Engine coolant will run out when the hoses are disconnected; drain it into a clean drip pan. Be sure not to let coolant spill on electrical parts or painted surfaces. If any coolant spills, rinse it off immediately.
- Loosen the cowl cross member mounting bolts.



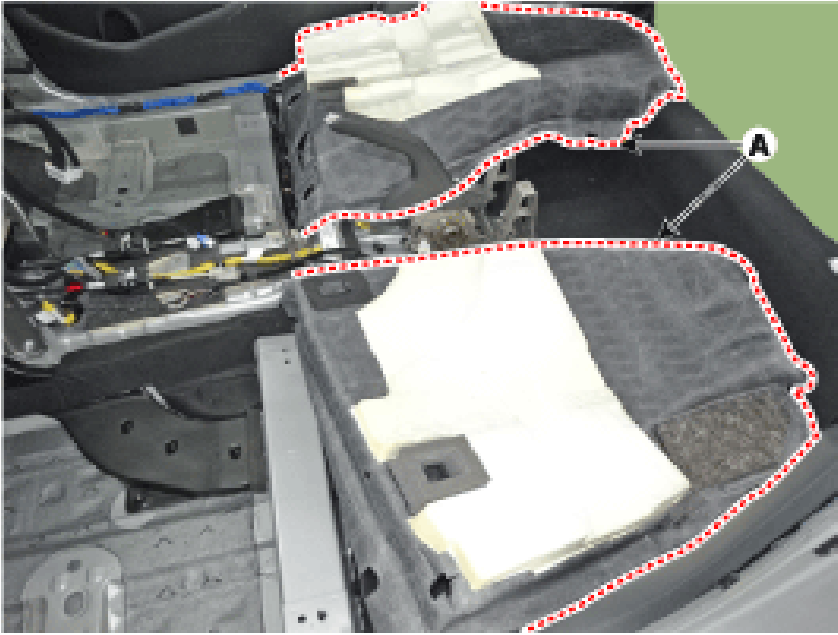
- Remove the floor console assembly. (Refer to Body - "Floor Console Assembly")
- Remove the crash pad lower panel. (Refer to Body - "Crash Pad Lower Panel")
- Remove both sides of the front pillar trim. (Refer to Body - "Front Pillar Trim")
- Remove the cowl side trim. (Refer to Body - "Cowl Side Trim")
- Remove the steering column shroud lower panel. (Refer to Body - "Steering Column Shroud Panel")
- Remove the steering wheel. (Refer to Steering System - "Steering Wheel")
- Remove the multifunction switch. (Refer to Body Electrical System - "Multifunction Switch")
- Lower the steering column after loosening the mounting bolts. (Refer to Steering System - "Steering Column and Shaft")
- Remove the shift lever assembly. (Refer to Automatic Transmission System - "Shift Lever")
- Remove the crash pad under cover [RH](A).



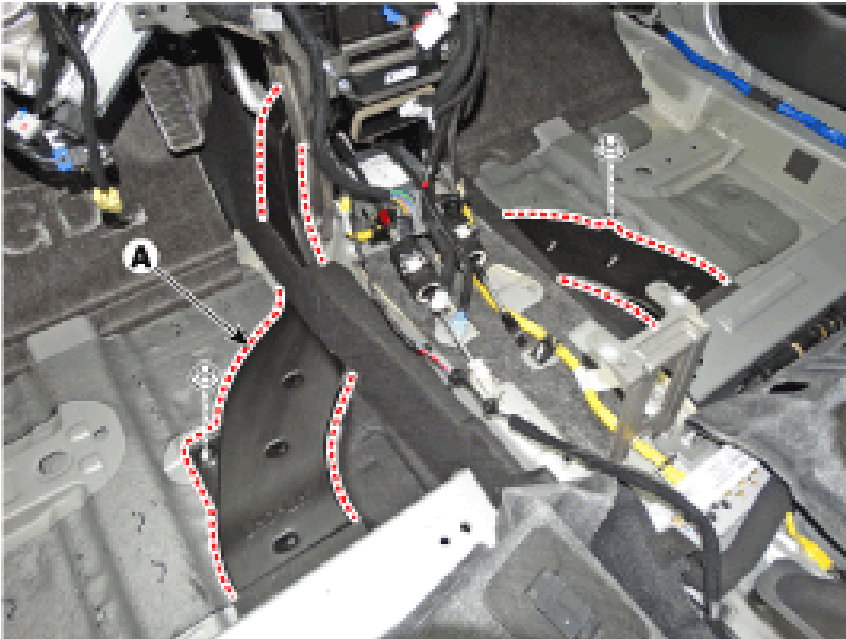
- Remove the rear air duct (A).



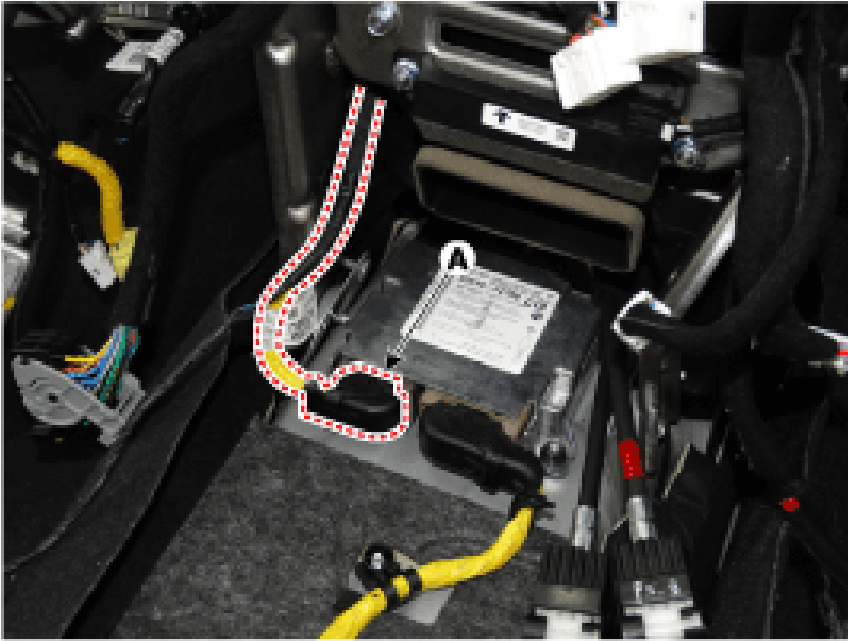
- Separate the floor carpet (A) to obtain space for removing the rear heating duct.



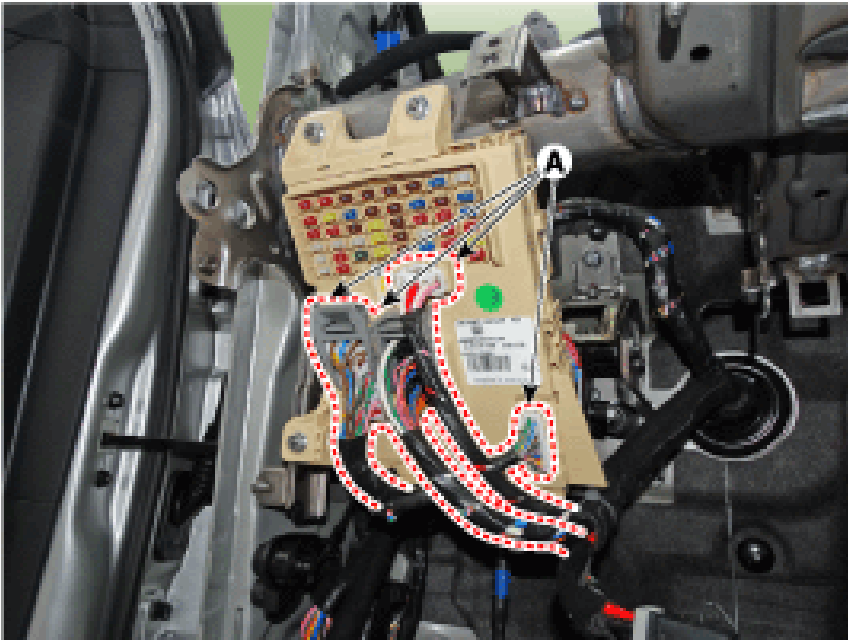
- Loosen the mounting nuts and remove the front air duct (A).



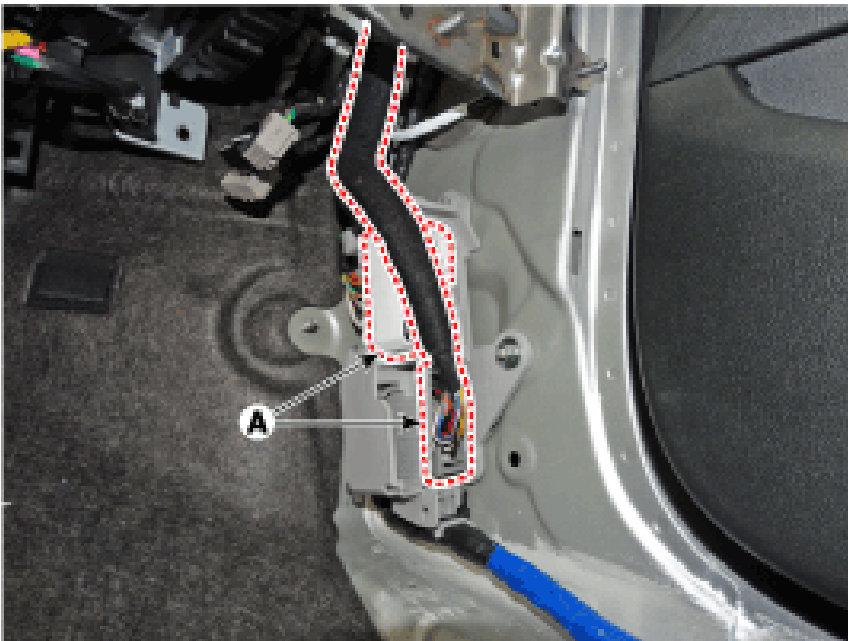
- Disconnect the airbag control module (SRSCM) connector (A).



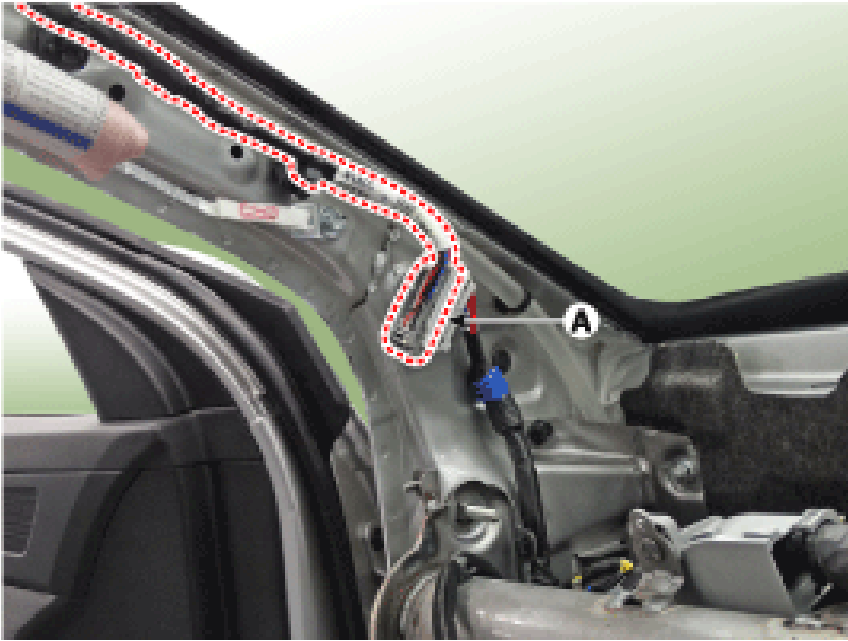
- Disconnect the junction box connectors (A).



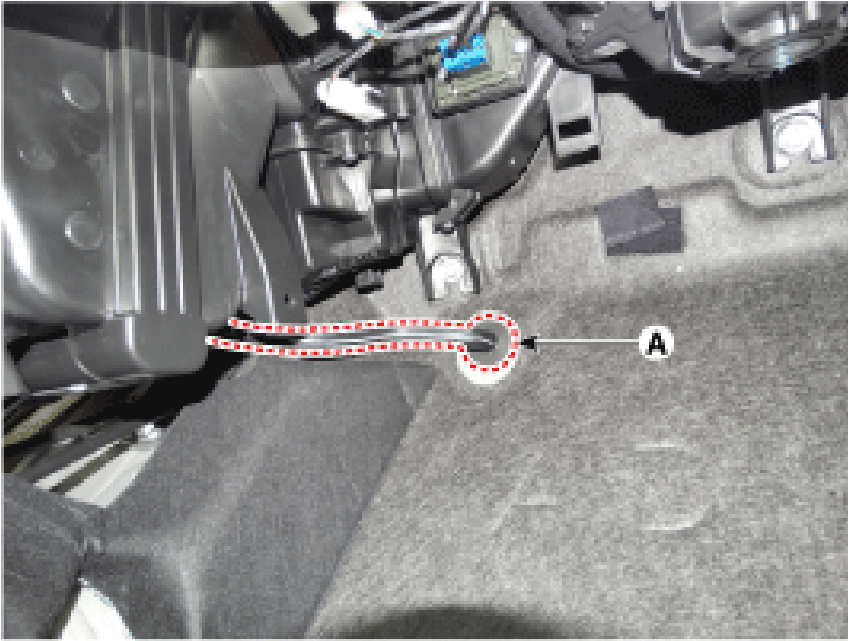
- Disconnect the multi box connectors (A). [Driver's side] [Passenger's side]



- Disconnect the connectors (A) and the mounting clips in the front pillar. [Driver's side] [Passenger's side]



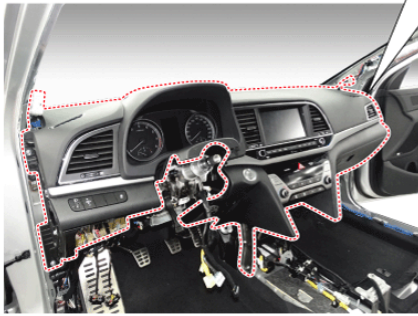
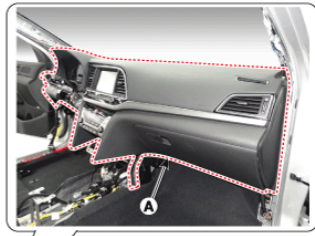
- Remove the drain hose (A).



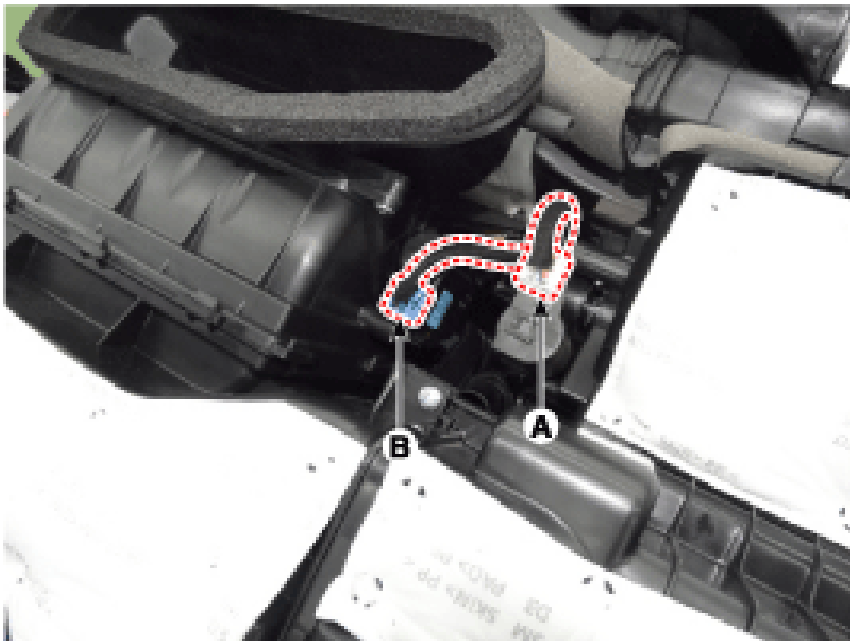
- Loosen the cowl blower unit mounting bolts. Tightening torque : 3.9 - 5.9 N.m (0.4 - 0.6 kgf.m, 2.9 - 4.3 lb-ft)



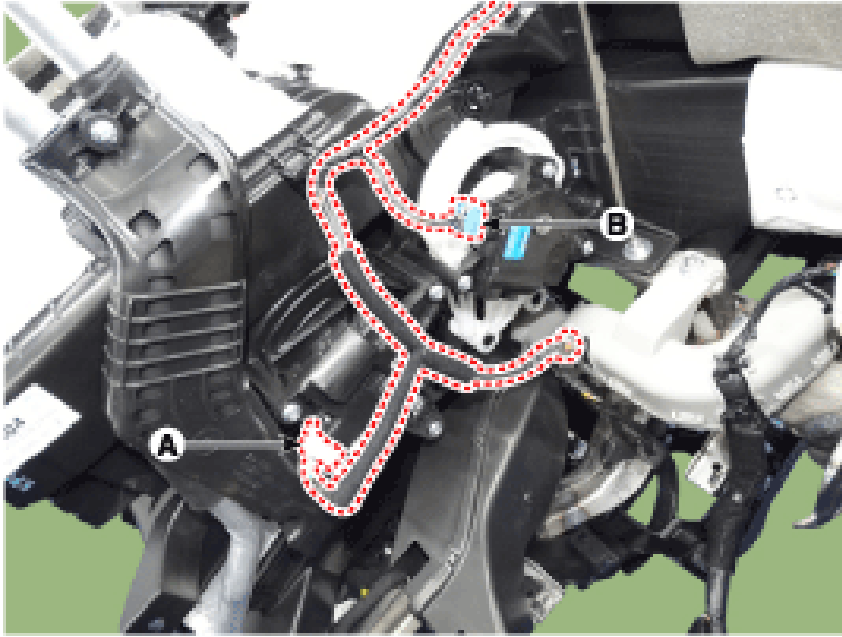
- After loosening the bolts and nuts remove the main crash pad and cowl cross bar assembly (A) together.



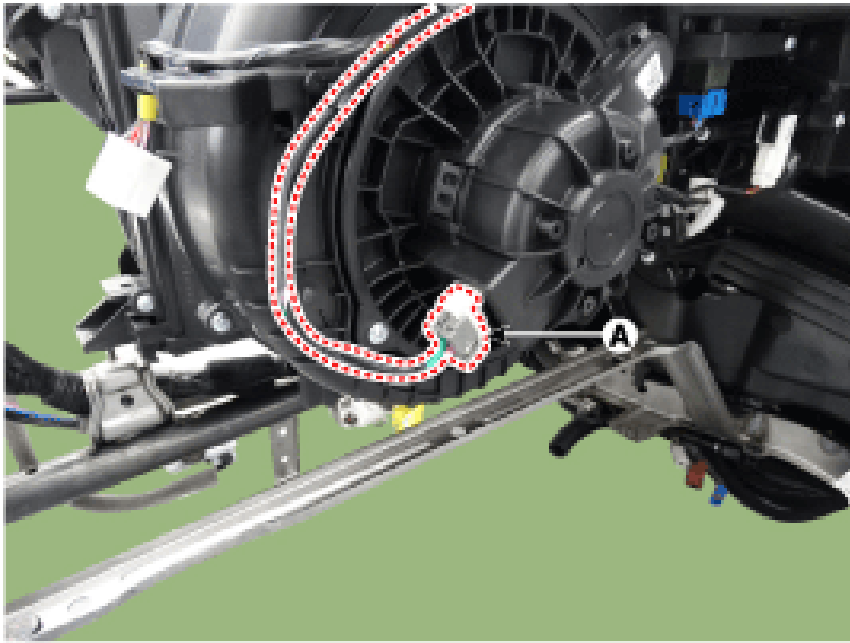
- Disconnect the heater & blower unit connectors. Disconnect the auto defogging actuator connector (A), intake actuator connector (B) and remove the wiring mounting clips. Disconnect the driver's temperature control actuator (A), mode control actuator (B) and remove the wiring mounting clips. Disconnect the blower motor connector (A) and remove the wiring mounting clips. Disconnect the passenger's side temperature control actuator (A), evaporator temperature sensor connector (B), power mosfet connector (C) and remove the wiring mounting clips.
- Disconnect the auto defogging actuator connector (A), intake actuator connector (B) and remove the wiring mounting clips.



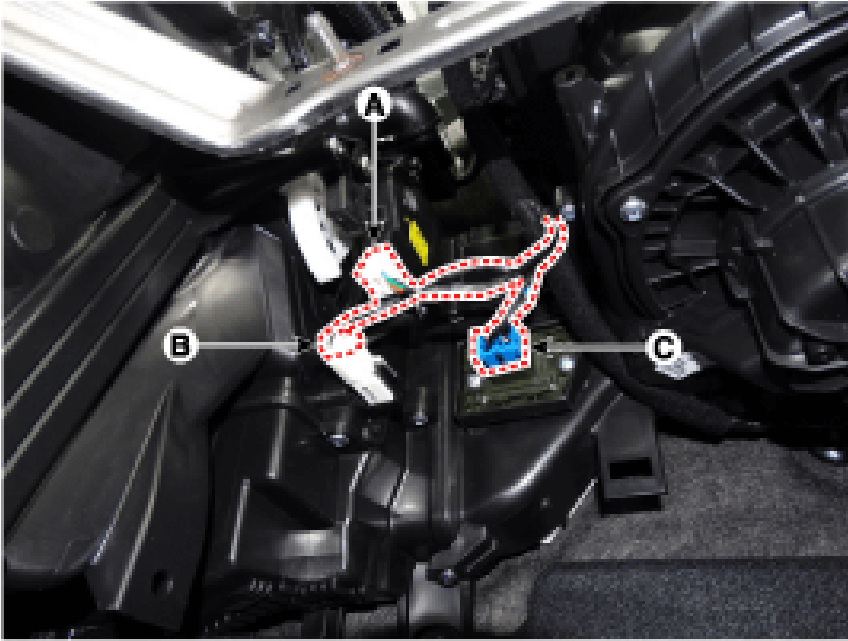
- Disconnect the driver's temperature control actuator (A), mode control actuator (B) and remove the wiring mounting clips.



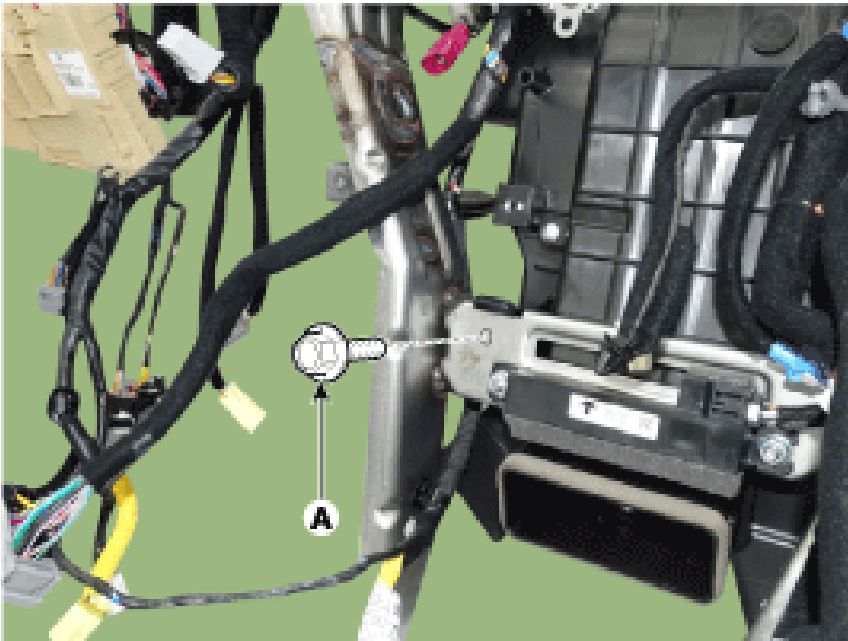
- Disconnect the blower motor connector (A) and remove the wiring mounting clips.



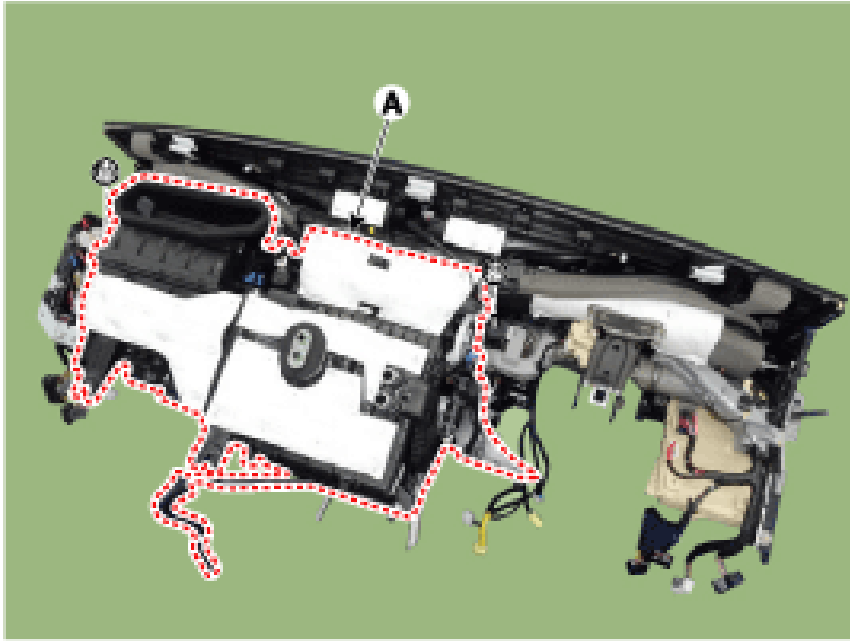
- Disconnect the passenger's side temperature control actuator (A), evaporator temperature sensor connector (B), power mosfet connector (C) and remove the wiring mounting clips.



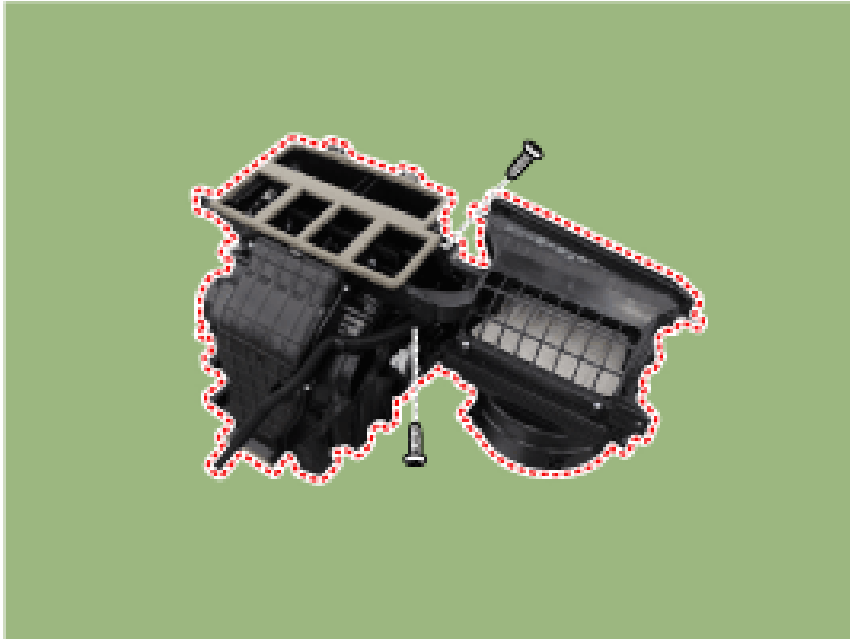
- Loosen the heater & blower unit mounting bolt (A).

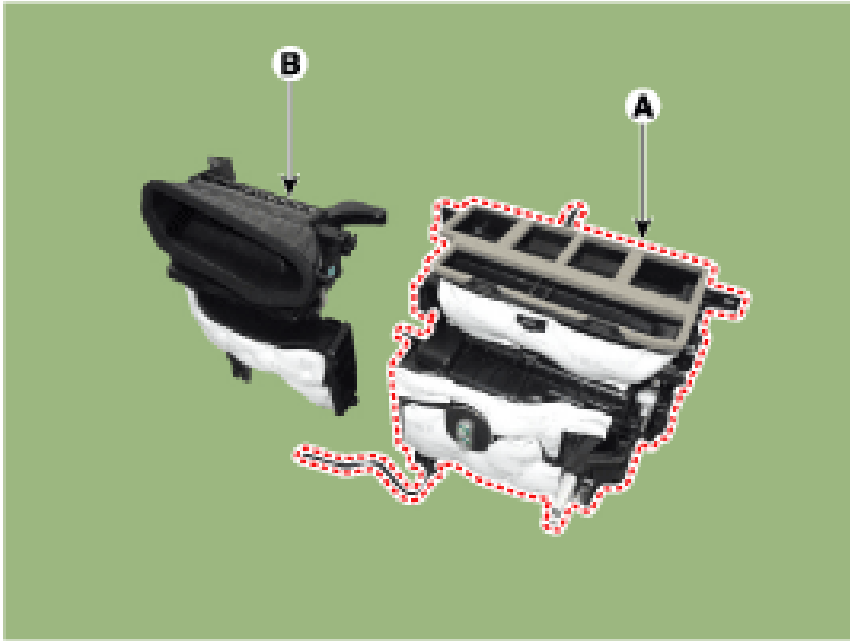


- Remove the heater and blower unit (A) from the crash pad after loosening the mounting nuts. Tightening torque : 3.9 - 5.9 N.m (0.4 - 0.6 kgf.m, 2.9 - 4.3 lb-ft)



- Separate the blower unit (A) from the heater unit (B) after loosening the screws.





- To install, reverse the removal procedure.