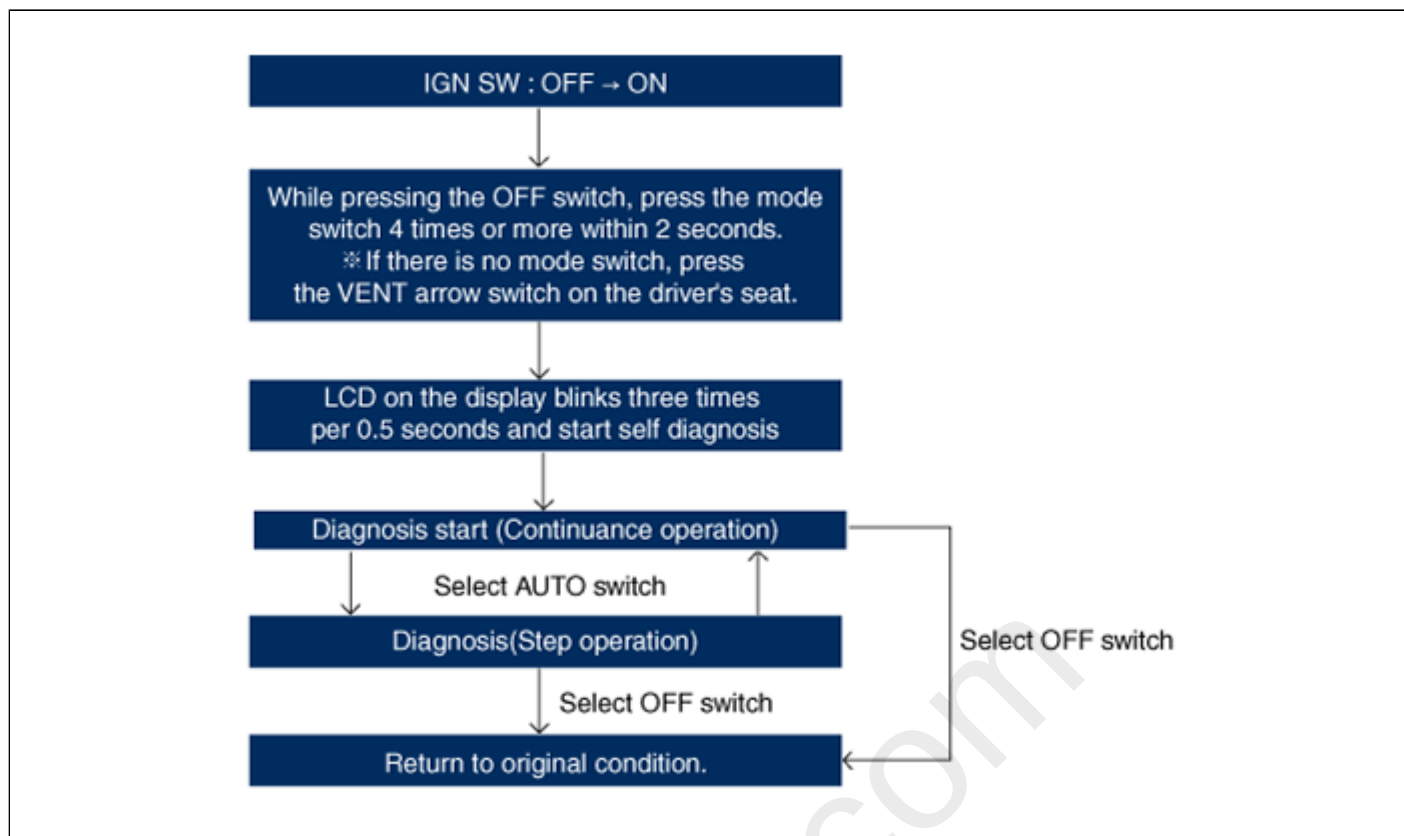


Self Diagnosis

1. Self-diagnosis process.



NOTICE

When operating the self-diagnostics, the below fault (self-diagnostics code) will blink at 0.5 seconds interval on the temperature display settings (driver's side only) and the remaining symbols are OFF .

2. Fault code display

(1) Continuance operation : DTC code.

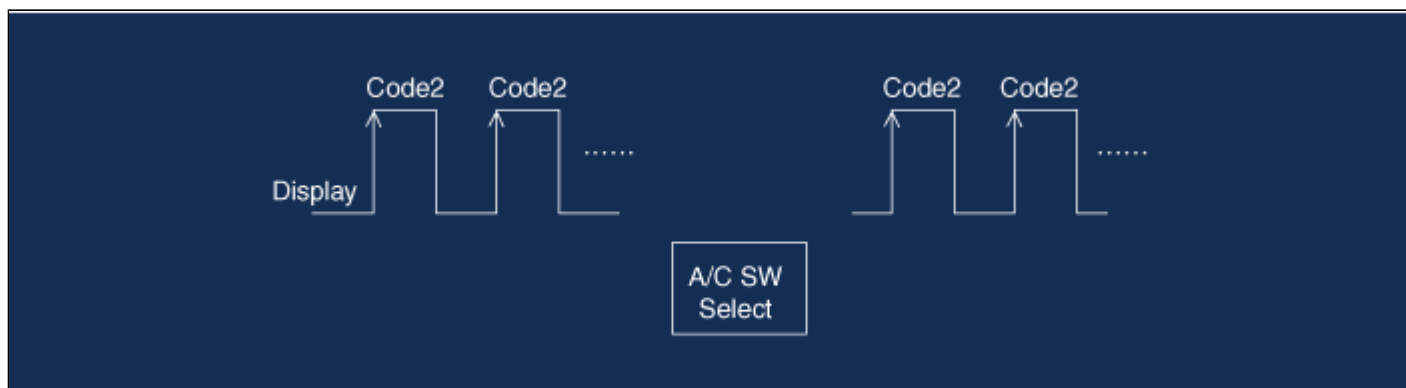


(2) Continuance operation : DTC code.



(3) STEP operation.

- A. Nomal or one fault code is same as a continuance operation.
- B. DTC code.



3. If fault codes are displayed during the check, Inspect malfunction causes by referring to fault codes.

Display	Fail description
0	Normal
11	Incar sensor OPEN
12	Incar sensor SHORT
13	Ambient sensor OPEN
14	Ambient sensor SHORT
17	Evaporator sensor OPEN
18	Evaporator sensor SHORT
19	Driver temp door potentionmeter OPEN or SHORT
20	Driver temp door potentionmeter Error
21	Mode door potentionmeter OPEN or SHORT
22	Mode door potentionmeter Error
23	Auto defog sensor OPEN
24	Auto defog sensor SHORT
25	Intake door potentionmeter OPEN or SHORT
26	Intake door potentionmeter Error
32	Passenger temp door potensionmeter OPEN or SHORT
33	Passenger temp door potention meter Error
45	APT CAN Signal Error
47	RPM CAN Signal Error
48	Vehicle speed CAN Signal Error
49	Engine coolant temprature CAN Signal Error
50	Cluster ionizer fault
71	ECV Fault (OPEN)

4. Fail safe

No	Item	Fault	Fail Safe
1	Incar sensor	Open or Short	Control with the value of 25°C(77.0°F)
2	Amblent sensor	Open or Short	Control with the value of 20°C(67°F)
3	Evaporator sensor	Open or Short	Control with the value of -2°C(28.4°F)
4	Mode door potentiometer	Open or Short	Fix vent position, while selecting vent mode. Fix defrost position, while selecting all

			except vent mode.
5	Temperature door potentiometer (MTC)	Open or Short	If temperature setting 1 - 7 step, fix at maximum cooling position. If temperature setting 8 - 15 step, fix at maximum heating position.
6	Temperature door potentiometer (DATC)	Open or Short	If temperature setting 17°C(62.6°F) - 24.5°C(76.1°F), fix at maximum cooling position. If temperature setting 25°C(77°F) - 32°C(89.6°F), fix at maximum heating position.
7	Intake door potentiometer	Open or Short	Fix vent position, while selecting vent mode. Fix defrost position, while selecting all except vent mode.
8	Engine RPM	FFh or NO reception	A/C OFF (Control with the value of 650 rpm)
9	Vehicle speed	FFh or NO reception	A/C OFF
10	Engine coolant temperature	FFh or NO reception	Control with the value of - 2°C(28.4°F)
11	APS	FFh or NO reception	Control with the value of 5%
12	R-TQACNAPVC (Max Torque limitation of A/C Compressor)	FFh or NO reception	A/C OFF (Control with the value of 0 Nm)
13	R-PACNC (APT Sensor Output Value)	FFh or NO reception	A/C OFF (Control with the value of 0 Nm)
14	RLY-AC (Activation of air conditioner compressor relay)	FFh or NO reception	FFh

Replacement

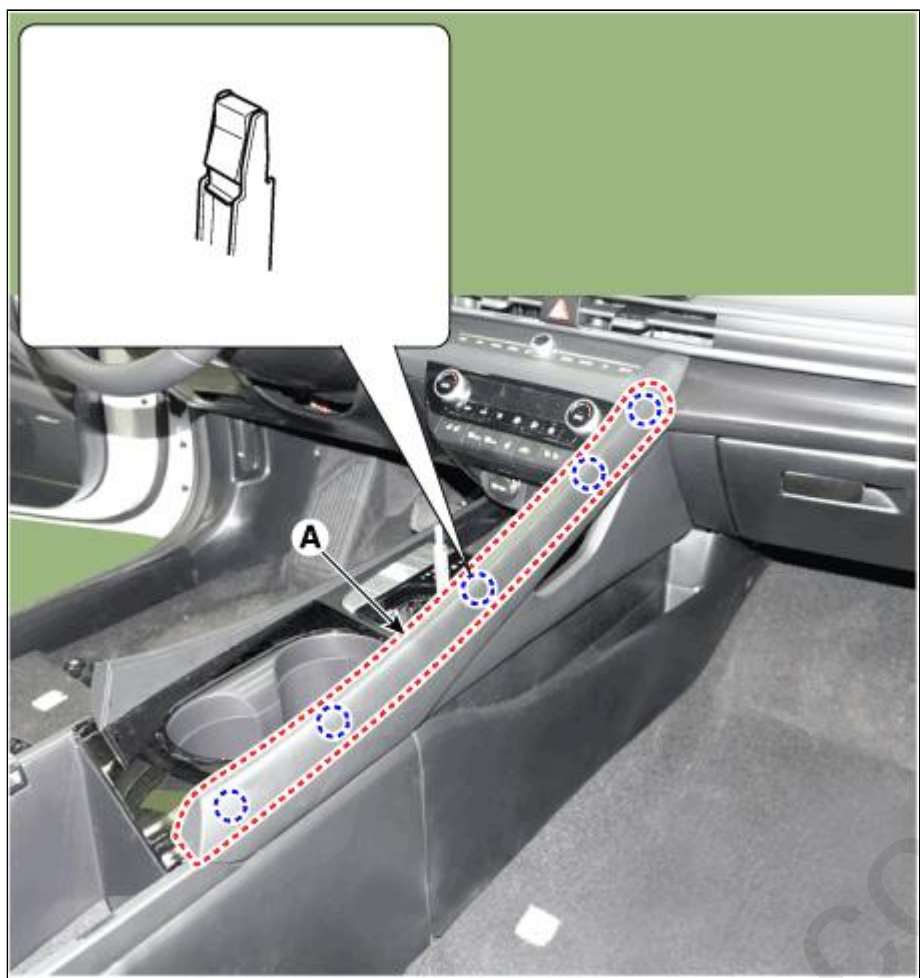
1. Disconnect the negative (-) battery terminal.
2. Remove the crash pad lower panel.
(Refer to Body (Interior and Exterior) - "Crash Pad Lower Panel")
3. Remove the steering column shroud upper panel (A).



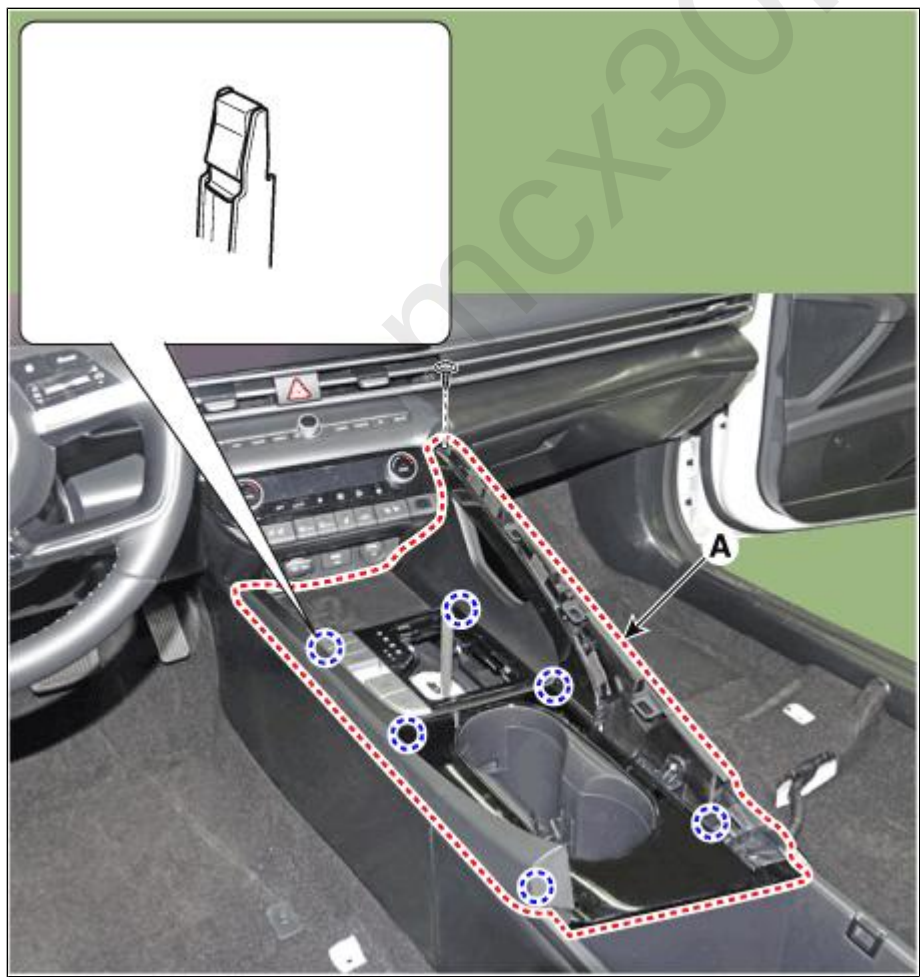
4. Remove the gear knob & boots (A) pull both of it up.



5. Using a screwdriver or remover, remove the floor console side garnish (A).



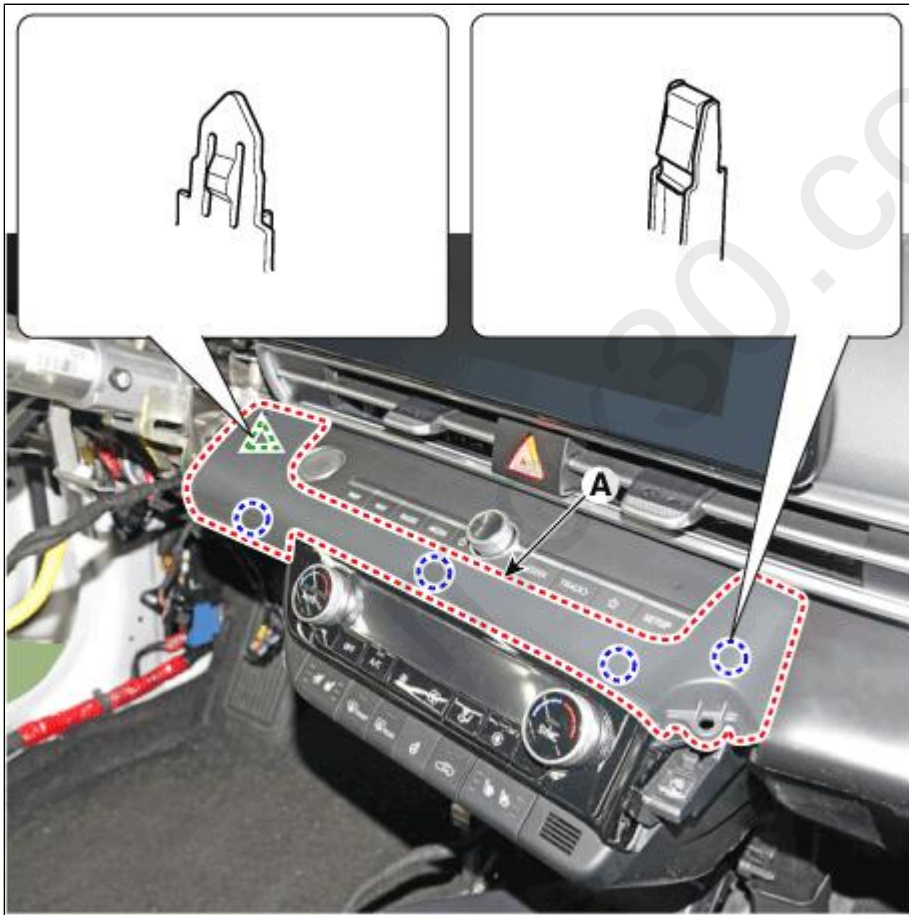
6. Using a screwdriver or remover, remove the console upper cover (A).



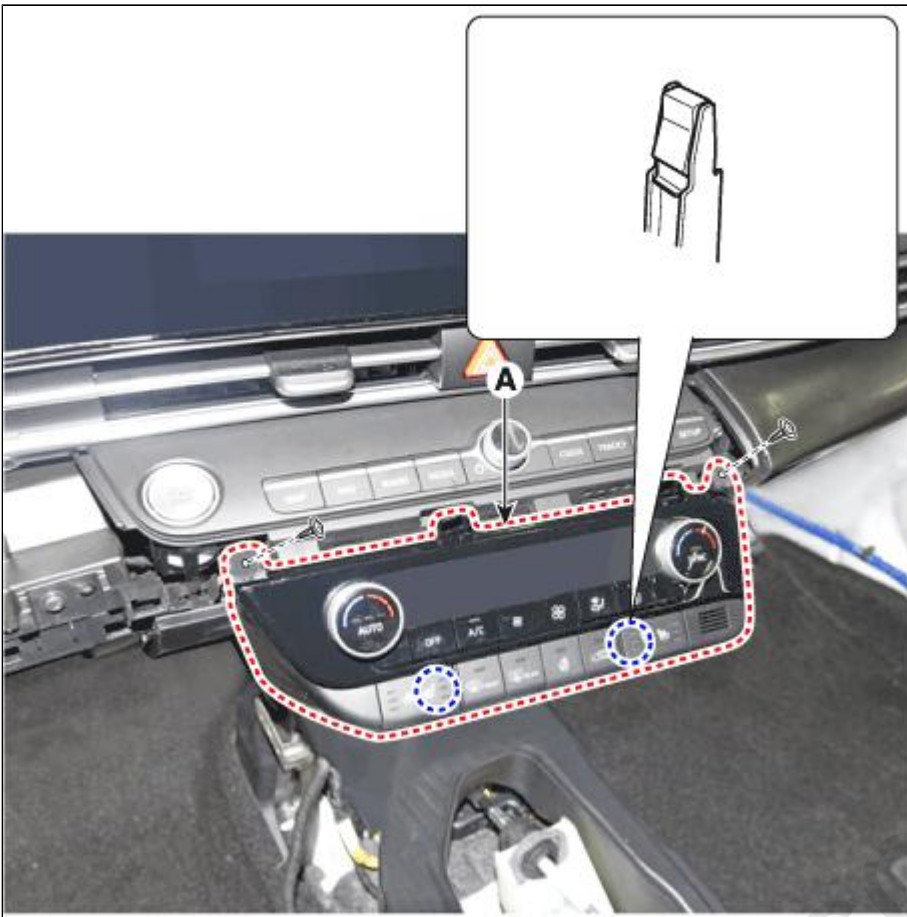
7. Press the lock pin, separate the console upper cover connector (A).



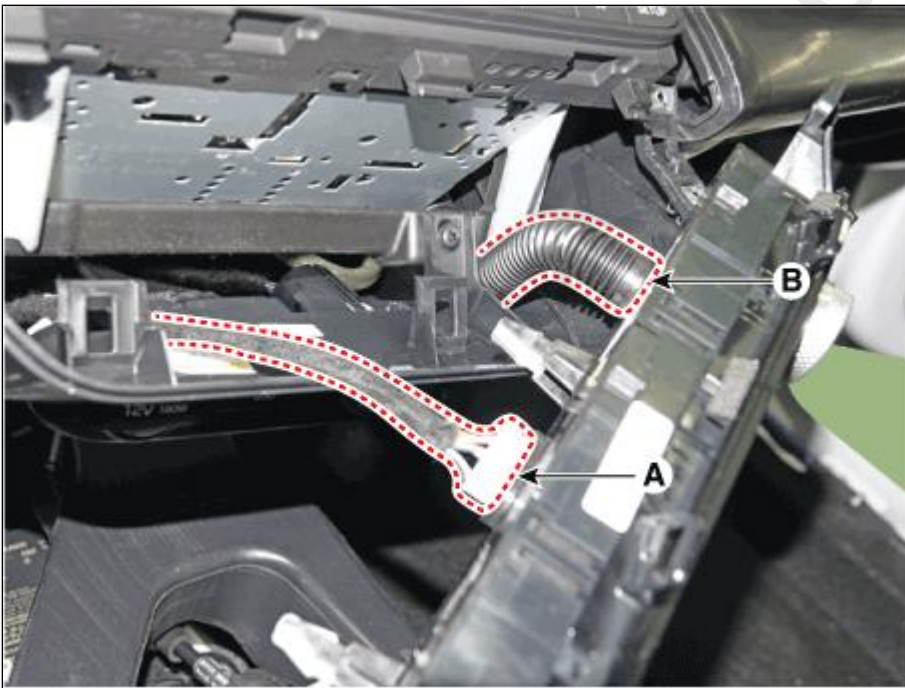
8. Using a screwdriver or remover, remove the crash pad garnish [CTR] (A).



9. After loosening the mounting screws, remove the A/C & heater controller unit (A).



10. Disconnect the A/C & heater controller connector (A) and hose (B).



11. To install, reverse the removal procedure.

NOTICE

Make sure the connector are connected in properly.
Replace any damaged clips.

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