

Inspection

Operating Logic Test (Manual only)

Inspect the PTC operation by confirmation logic as follows.

1. Entering

- (1) Set the Floor mode and maximum heating position.
- (2) Turn off the blower switch.
- (3) Press the intake (recirculation) button 5 times or more.
- (4) \Indicators of intake and A/C button are continuously flashed with an interval of 0.5 seconds.
- (5) Confirm the PTC operation by turn on the blower switch.
- (6) Each PTC relay is operated with an interval of 3 seconds.
- (7) The logic test will be automatically cancelled after 30 seconds.

In addition, it can be cancelled by followings.

Select A/C or intake (recirculation) switch

Ignition switch OFF

2. Cancellation

Select A/C or intake (recirculation) switch.

Turn the ignition switch OFF.

The test is cancelled automatically after 30 seconds.

3. If the PTC is not operated, substitute with a known-good PTC heater and check for proper operation.

If the problem is corrected, replace the PTC heater.

Operating Test

This test should be performed in the PTC ON conditions.

1. Run the engine.

2. Check the current on the wiring with a clamp multi tester.

Pattern	Current (A)
PTC 1 ON	0.1 ~ 33
PTC 2 ON	0.1 ~ 33
Total	0.1 ~ 100

3. If the current is not specification, inspect related wiring.

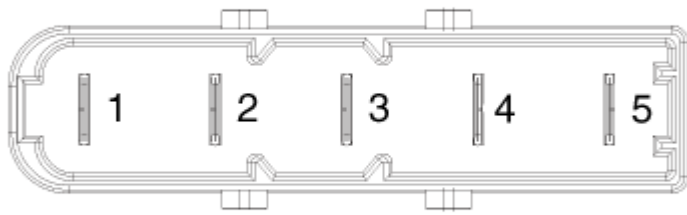
Resistance Test

1. Turn the ignition switch OFF.

2. Disconnect the PTC heater connector.

3. Measure the resistance between terminal 1, 2, 3 of PTC heater and ground line.

Resistance : 0.3 ~ 1.5Ω



1. PTC 2 (+)
2. Ground
3. -
4. Ground
5. PTC 1 (+)

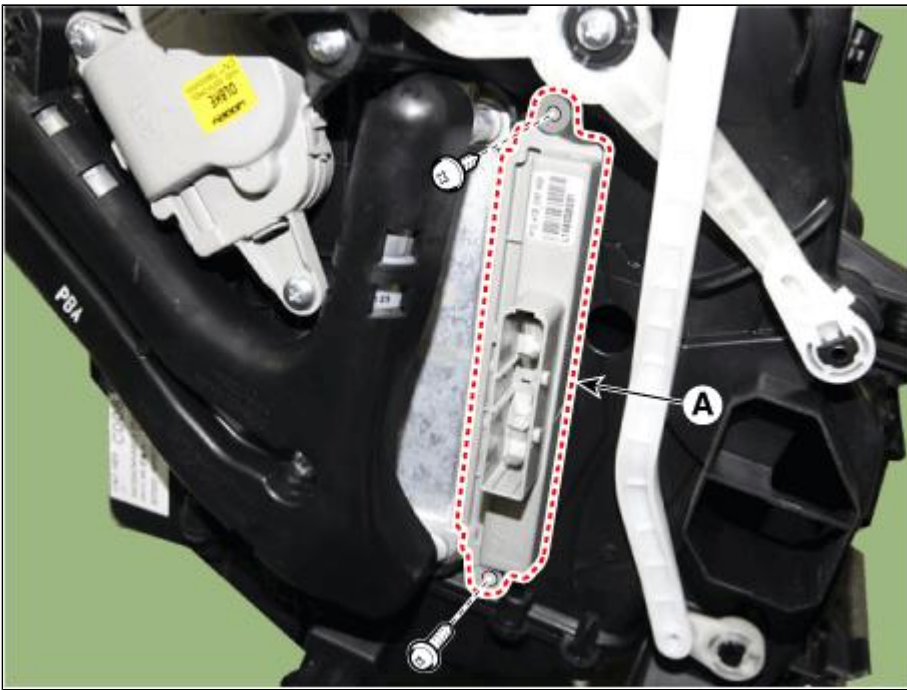
4. If the measured resistance is not specification, replace the PTC heater with new one.

Replacement

1. Disconnect the negative (-) battery terminal.
2. Remove the cowl cross bar assembly.
(Refer to Body (Interior and Exterior) - "Cowl Cross Bar Assembly")
3. Disconnect the PTC heater connector (A).



4. Loosen the mounting screws, remove the PTC heater (A).



5. To install, reverse the removal procedure.

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