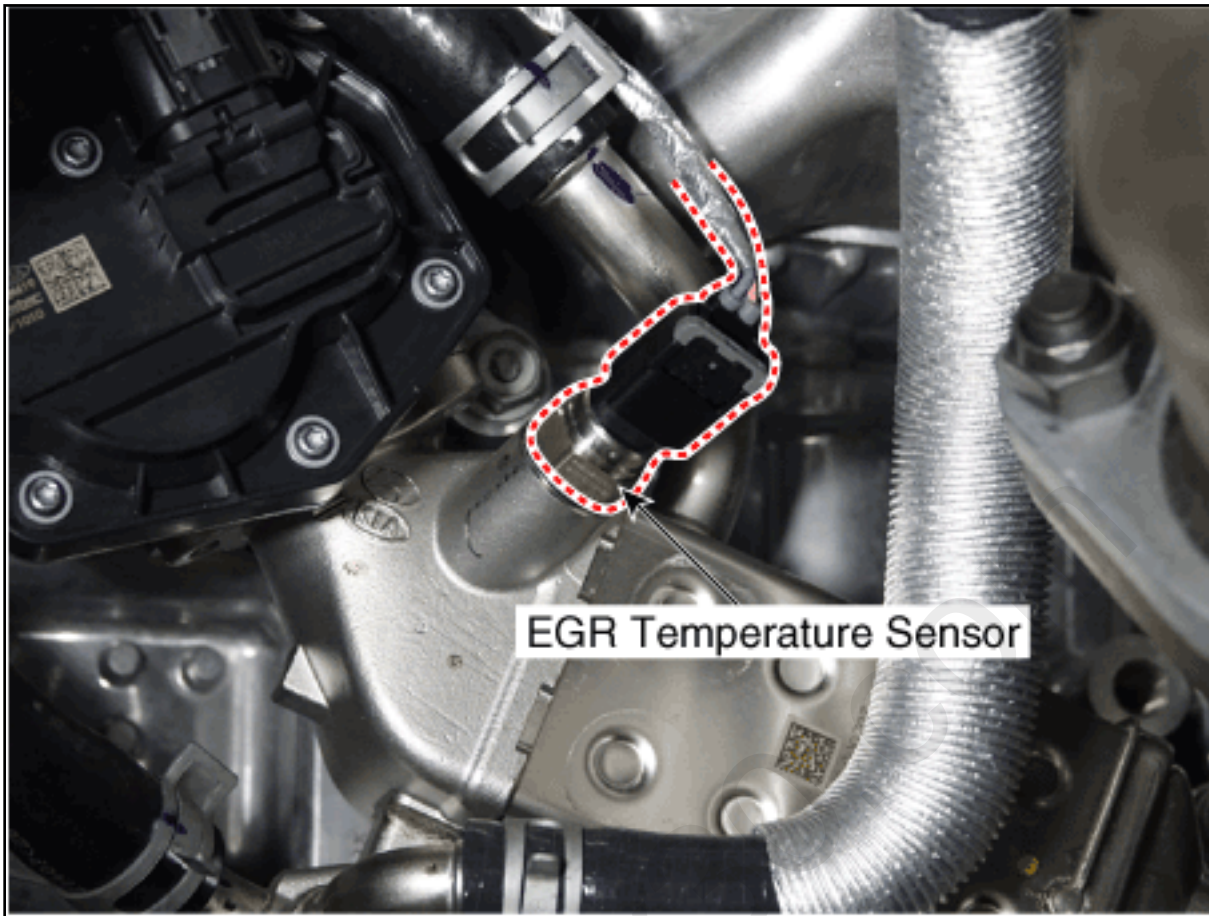


Description

EGR temperature sensor is used for temperature measurement and EGR bypass valve function diagnosis as well as thermal protection of EGR system.



Specification

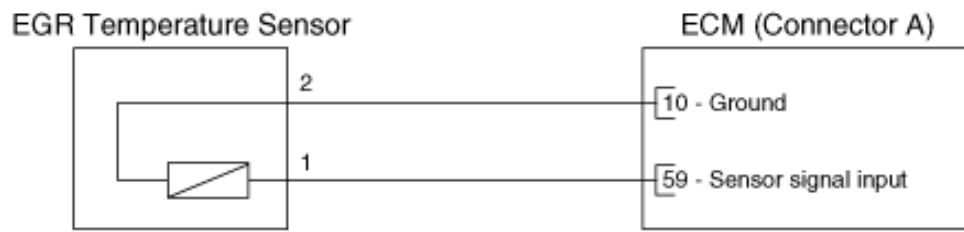
▷ Type : Thermistor type

Temperature [°C (°F)]	Resistance (kΩ)
-40 (-40)	120.1 - 140.6
-30 (-22)	82.2 - 95.5
-20 (-4)	57.9 - 66.8
-10 (14)	41.8 - 47.9
0 (32)	30.9 - 35.2
10 (50)	23.3 - 26.4
20 (68)	17.9 - 20.2
30 (86)	14.0 - 15.7
40 (104)	11.1 - 12.4
50 (122)	8.92 - 9.91
60 (140)	7.27 - 8.04
70 (158)	5.99 - 6.60
80 (176)	4.98 - 5.47
90 (194)	4.19 - 4.58
100 (212)	3.44 - 3.87
110 (230)	3.03 - 3.29
120 (248)	2.61 - 2.82
130 (266)	2.26 - 2.44
140 (284)	1.97 - 2.12
150 (302)	1.73 - 1.85
160 (320)	1.52 - 1.63
170 (338)	1.35 - 1.44
180 (356)	1.08 - 1.15
190 (374)	1.07 - 1.14
200 (392)	0.97 - 1.03
210 (410)	0.86 - 0.93

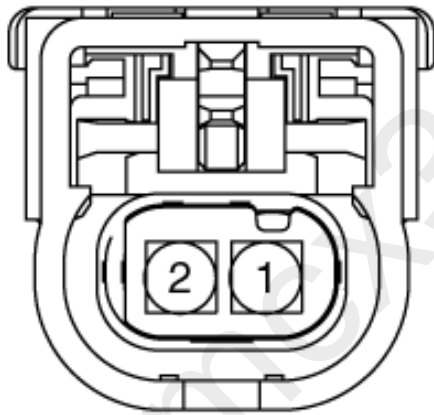
220 (428)	0.79 - 0.85
230 (446)	0.72 - 0.77
240 (464)	0.66 - 0.71
250 (482)	0.60 - 0.65
260 (500)	0.55 - 0.60
270 (518)	0.51 - 0.55
280 (536)	0.47 - 0.51
290 (554)	0.44 - 0.47
300 (572)	0.40 - 0.43

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Circuit
Diagram



Harness Connector



Inspection

1. Turn ignition switch OFF.
2. Disconnect the connector of EGR temperature sensor.
3. Measure resistance between sensor signal terminal and ground terminal.
4. Check that the resistance is within the specification.

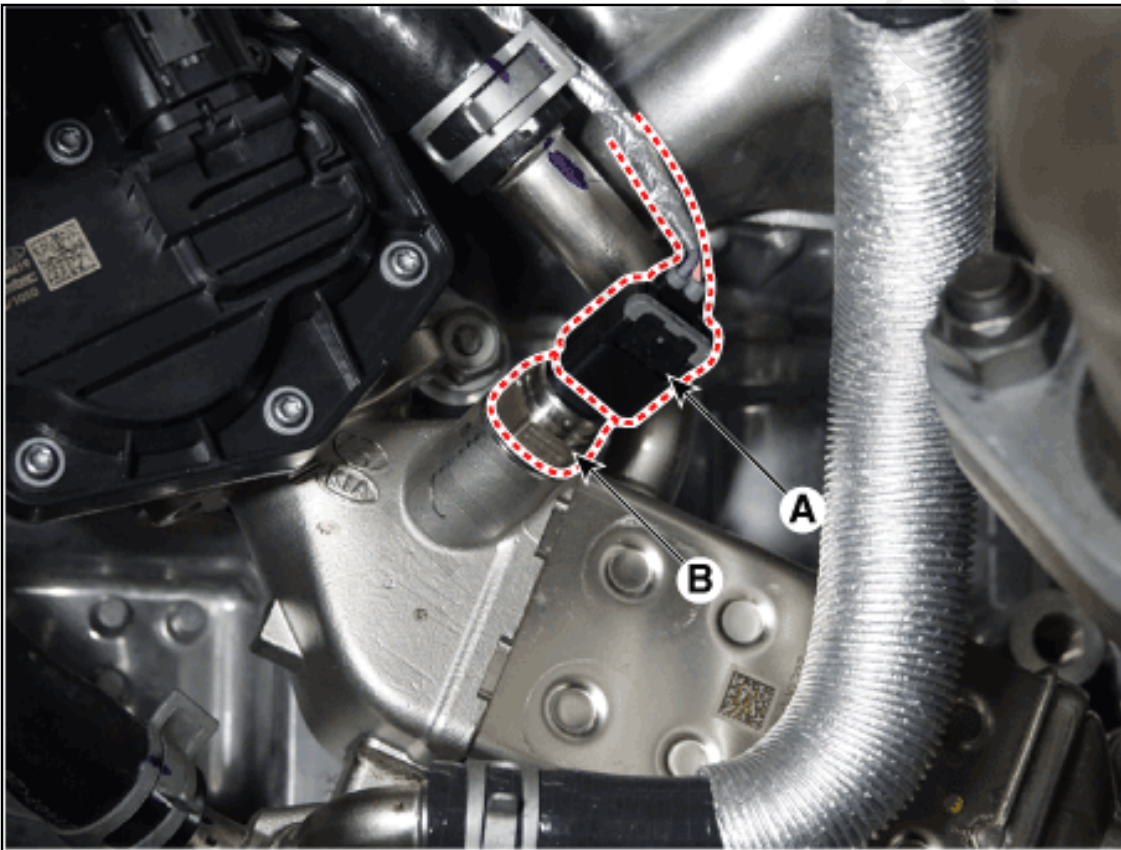
Specification : Refer to "Specification"

Removal

1. Turn the ignition switch OFF and disconnect the battery negative (-) terminal.
2. Remove the engine room under cover.
(Refer to Engine Mechanical System - "Engine Room Under Cover")
3. Disconnect the EGR temperature sensor connector (A).
4. Remove the EGR temperature sensor (B).

Tightening torque :

19.6 - 29.4 N.m (2.0 - 3.0 kgf.m, 14.5 - 21.7 lb.ft)



Installation



- Install the component to the specified torques.
- Note that internal damage may occur when the component is dropped. In this case, use it after inspecting.

1. Install in the reverse order of removal.

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