EVAPORATOR TEMPERATURE SENSOR (for Rear Air Conditioning System)

ON-VEHICLE INSPECTION

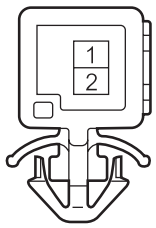
1. INSPECT REAR A/C EVAPORATOR TEMPERATURE SENSOR

(a) Remove the rear evaporator temperature sensor.

(b) Disconnect the connector from the rear evaporator temperature sensor.

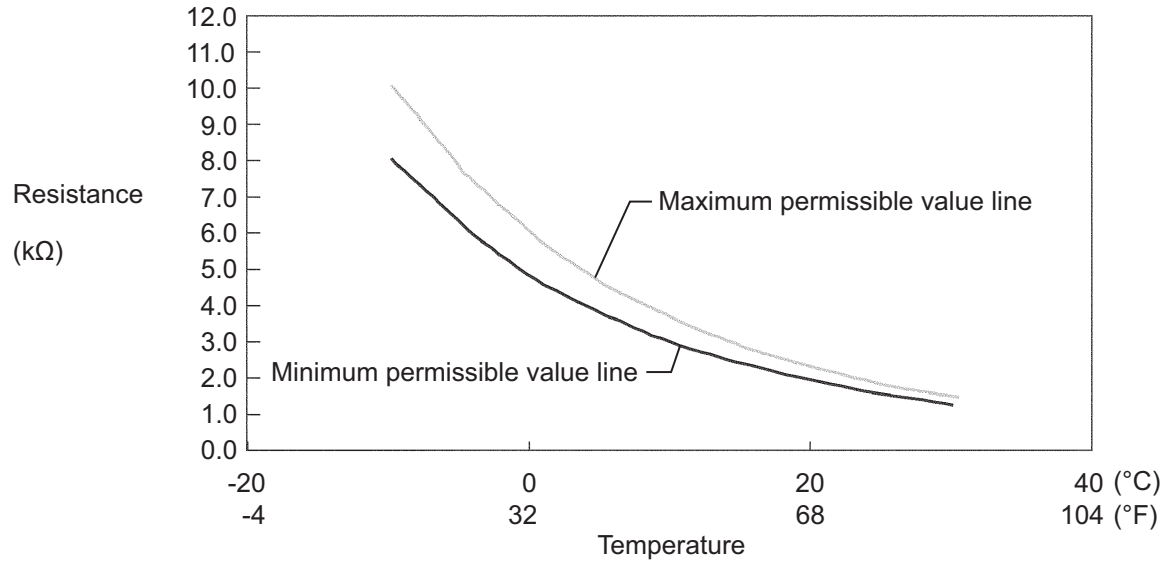
(c) Measure the resistance according to the value(s) in the table below.

Component without harness connected:
(Rear Evaporator Temperature Sensor)



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E112577E08



I040629E06

Standard resistance

Tester connection	Condition	Specified condition
1 - 2	-10°C (14°F)	7.40 to 9.20 kΩ
1 - 2	-5°C (23°F)	5.65 to 7.00 kΩ
1 - 2	0°C (32°F)	4.35 to 5.40 kΩ

Tester connection	Condition	Specified condition
1 - 2	5°C (41°F)	3.40 to 4.20 kΩ
1 - 2	10°C (50°F)	2.68 to 3.30 kΩ
1 - 2	15°C (59°F)	2.10 to 2.60 kΩ
1 - 2	20°C (68°F)	1.66 to 2.10 kΩ
1 - 2	25°C (77°F)	1.32 to 1.66 kΩ
1 - 2	30°C (86°F)	1.05 to 1.35 kΩ

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NOTICE:

- **Even slightly touching the sensor may change the resistance value. Be sure to hold the connector of the sensor.**
- **When measuring the sensor temperature must be the same as the ambient temperature.**

HINT:

As the temperature increases, the resistance decreases (see the graph).

If the resistance is not as specified, replace the rear evaporator temperature sensor.