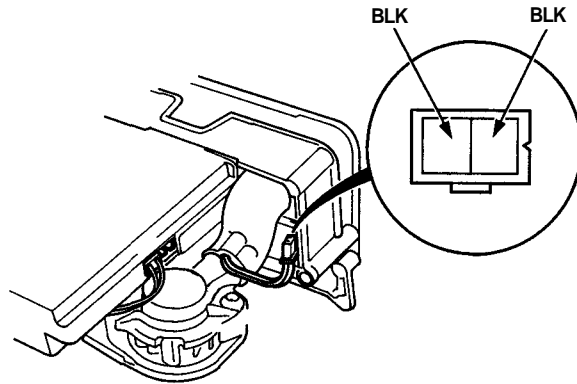


Troubleshooting

In-car Temperature Sensor

Self-diagnosis indicator light A comes on: Indicates a problem in the in-car temperature sensor circuit. Use a digital multimeter (KS-AHM-32-003) to check it.

The in-car temperature sensor is a temperature dependent resistor (thermistor). The resistance of the thermistor decreases as the temperature inside the car increases.



Problem in the in-car temperature sensor circuit.

Remove the climate control unit (page 22-6), then disconnect the 2-P connector from the in-car temperature sensor.

Measure resistance between the BLK terminal and BLK terminal in the sensor side of the connector.

Is there 1-10k Ω ?

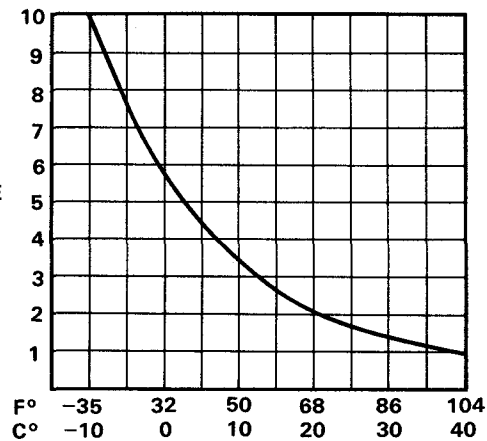
NO

Replace in-car temperature sensor

YES

Substitute a known-good climate control unit and recheck. If symptom/indication goes away, replace the original climate control unit.

RESISTANCE
K Ω



CAUTION: The sensor uses a thermistor which can be damaged if high current is applied to it during testing. Therefore, use a circuit tester that puts out a measuring current of 1 mA or less.