



Flow Chart — In-car Temperature Sensor

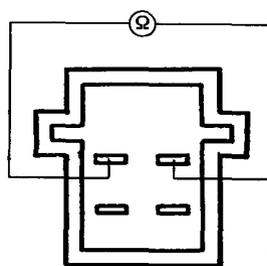
Self-diagnosis indicator light F comes on: Indicates a problem in the In-car Temperature Sensor circuit.

NOTE: Use the digital circuit tester (07411-0020000) to check

Problem in the in-car temperature sensor circuit.

Disconnect the 2-P connector from the in-car temperature sensor.

Measure resistance between the 2 terminals on the in-car temperature sensor.



View from wire side.

Is there 1-3 kΩ?

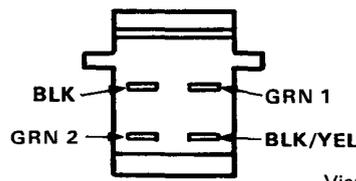
NO

Replace in-car temperature sensor.

YES

Turn the ignition switch ON.

Measure voltage between GRN1 (+) terminal and body ground.



View from wire side.

Is there approx. 5V?

NO

(To page 15-48)

YES

Measure voltage between GRN1 (+) terminal and BLK (-) terminal.

Is there approx. 5V?

NO

Repair open in BLK wire between control unit and in-car temperature sensor.

YES

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

(cont'd)

Troubleshooting

Flow Chart — In-car Temperature Sensor (cont'd)

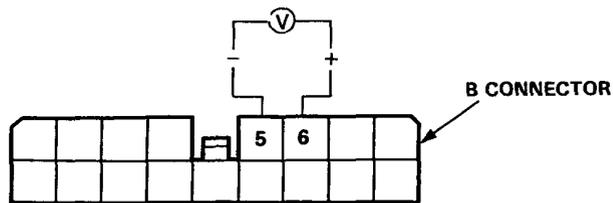
(From page 15-47)

Turn the ignition switch OFF.

Remove the climate control unit (page 15-89).

Turn the ignition switch ON.

Measure voltage between B-6 (+) terminal and B-5 (-) terminal.



View from wire side.

Is there approx. 5V?

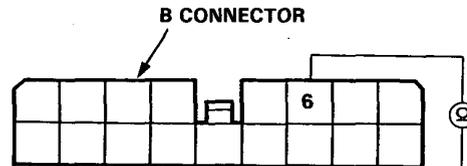
YES

Repair open in GRN wire between control unit (B-6) and in-car temperature sensor.

NO

Disconnect the B connector from the climate control unit.

Measure resistance between B-6 (+) terminal and body ground.



View from wire side.

Is there less than 100 Ω ?

YES

Repair short in GRN wire between control unit (B-6) and in-car temperature sensor.

NO

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