



Flow Chart — Ambient Temperature Sensor

Self-diagnosis indicator light G comes on: Indicates a problem in the Ambient Temperature Sensor circuit.

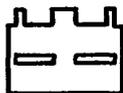
NOTE: Use the digital circuit tester (07411-0020000) to check

Problem in the ambient temperature sensor circuit.

Turn the ignition switch OFF.

Remove front grille (See Section 14).

Disconnect the 2P connector from the ambient temperature sensor.



Measure resistance between the 2 terminals on the ambient temperature sensor.

Is there 1-3 k Ω ?

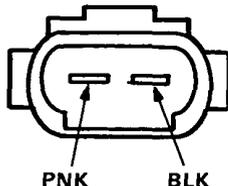
NO

Replace ambient temperature sensor.

YES

Turn the ignition switch ON.

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



PNK

BLK

View from terminal side.

Is there approx. 5V?

NO

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YES

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

Is there approx. 5V?

NO

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

YES

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

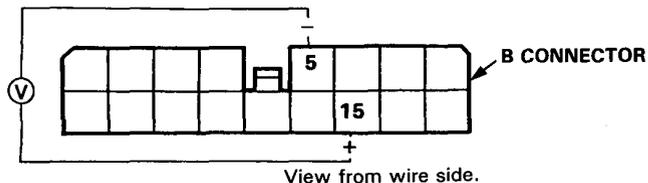
(cont'd)

Troubleshooting

Flow Chart — Ambient Temperature Sensor (cont'd)

(From page 15-49)

Turn the ignition switch OFF.



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

Measure voltage between B-15 (+) terminal and B-5 (-) terminal.

Is there approx. 5V?

YES

Repair open in PNK wire between control unit and ambient temperature sensor.

NO

Disconnect the B connector from the climate control unit.

Measure resistance between B-15 (+) terminal and body ground.

Is there less than 100 Ω ?

YES

Repair short in PNK wire between control unit and ambient temperature sensor.

NO

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

