



## Flow Chart — Ambient Temperature Sensor

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

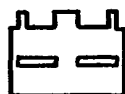
NOTE: Use the digital circuit tester (07411—0020000) to check

**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 $\Omega$ ?

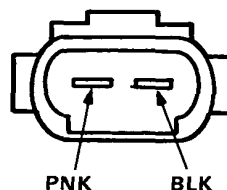
NO

**Replace ambient temperature sensor.**

YES

Turn the ignition switch ON.

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



View from terminal side.

Is there approx. 5V?

NO

(To page 15-50)

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.**

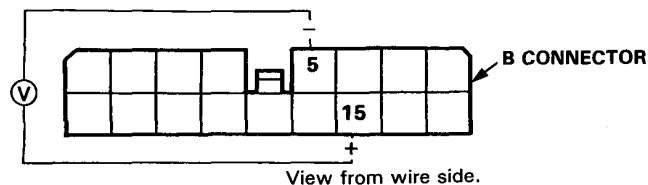
(cont'd)

# 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  $\Omega$ ?

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.

