



Flow Chart — Coolant Temperature Sensor

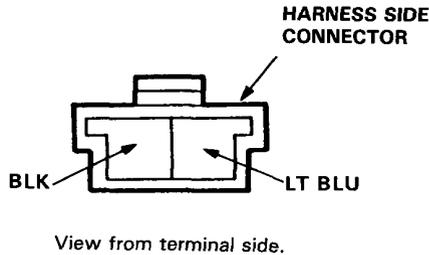
Self-diagnosis indicator light B comes on: Indicates a problem in the Coolant Temperature Sensor circuit.

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

Problem in the coolant temperature sensor circuit.

Disconnect the 2P connector from the coolant temperature sensor.

Measure voltage between LT BLU (+) terminal and body ground. Turn the ignition switch ON.



Is there approx. 5V?

NO

(To page 15-40)

YES

Measure voltage between LT BLU (+) terminal and BLK (-) terminal.

Is there approx. 5V?

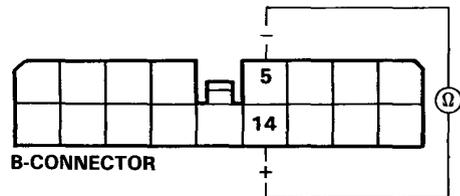
NO

Repair open in BLK (B-5) wire between control unit and coolant temperature sensor.

YES

Reconnect the 2P connector to the coolant temperature sensor and disconnect the B connector from the climate control unit.

Measure resistance between B-14 (+) terminal and B-5 (-) terminal.



Is there 2-5 Ω?

NO

Replace coolant 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 — Coolant Temperature Sensor (cont'd)

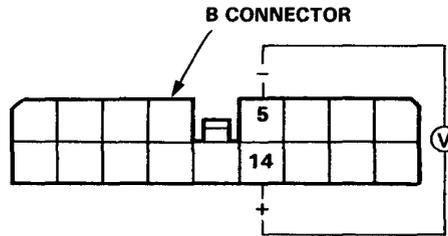
(From page 15-39)

Turn the ignition switch OFF.

Remove the climate control unit.
(page 15-85).

Turn the ignition switch ON.

Measure voltage between B-14 (+) terminal and B-5 (-) terminal.



View from wire side.

Is there approx. 5V?

YES

Repair open in LT BLU (B-14) wire between control unit and coolant temperature sensor.

NO

Disconnect the B connector from the control unit.

Measure resistance between B-14 (+) terminal and body ground.

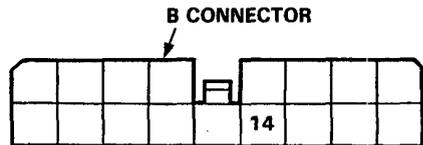
Is there less than 100 Ω ?

YES

Repair short in LT BLU (B-14) wire between control unit and coolant temperature sensor.

NO

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



View from wire side.

100 Ω