

Troubleshooting

Radiator Fan Control Sensor Circuit Open

Both fans do not run for engine cooling (but they both run with the A/C on).

Check for an open in the wire:

1. Disconnect the radiator fan control sensor 2P connector and the fan control unit 12P connector.
2. Check for continuity between the No. 2 terminal of the 2P connector and the No. 12 terminal of the 12P connector.

Is there continuity?

NO

Repair open in the wire between the radiator fan control sensor and the fan control unit.

YES

Check for an open in the wire:

Check for continuity between the No. 1 terminal of the radiator fan control sensor 2P connector and the No. 6 terminal of the fan control unit 12P connector.

Is there continuity?

NO

Repair open in the wire between the radiator fan control sensor and the fan control unit.

YES

Test the radiator fan control sensor (see Fan Controls in section 10).

Is the sensor OK?

NO

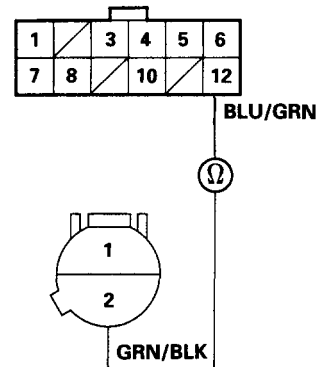
Replace the radiator fan control sensor.

YES

Check for loose wires or poor connections at the fan control unit 12P connector. If the connections are good, substitute a known-good fan control unit, and recheck. If the symptom/indication goes away, replace original fan control unit.

FAN CONTROL UNIT 12P CONNECTOR

Wire side of female terminals



RADIATOR FAN CONTROL SENSOR 2P CONNECTOR

Wire side of female terminals

