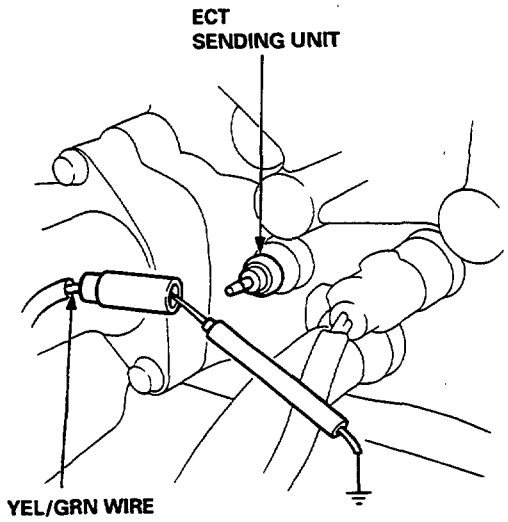
Engine Coolant Temperature (ECT) Gauge

Gauge Test

NOTE: Refer to page 23-A114 for the circuit diagram of the engine coolant temperature (ECT) gauge.

1. Check the No. 15 (10 A) fuse in the under-dash fuse/relay box before testing.
2. Make sure the ignition switch is OFF, then disconnect the YEL/GRN wire from the ECT gauge sending unit, and ground it with a jumper wire.



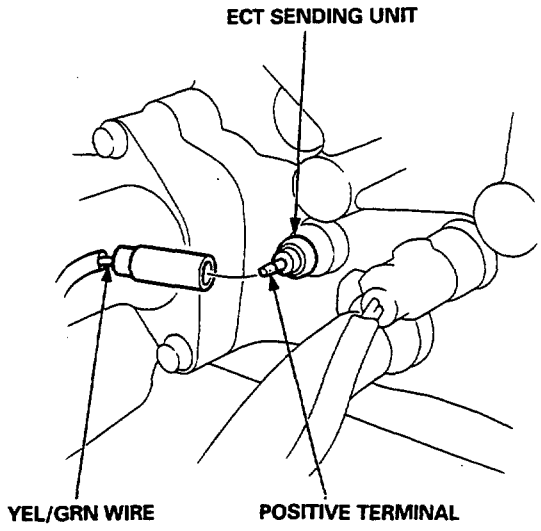
3. Turn the ignition switch ON (II).
   Check that the pointer of the ECT gauge starts moving toward the "H" mark.

   CAUTION: Turn the ignition switch OFF before the pointer reaches "H" on the gauge dial. Failure to do so may damage the gauge.

   - If the pointer of the gauge does not move at all, check for an open in the YEL or YEL/GRN wire. If the wires are OK, replace the ECT gauge.
   - If the ECT gauge works, test the ECT sending unit.

ECT Sending Unit Test

1. Disconnect the YEL/GRN wire from the ECT sending unit.
2. With the engine cold, use an ohmmeter the measure resistance between the positive terminal and the engine (ground).



3. Check the temperature of the coolant.
4. Run the engine and measure the change in resistance with the engine at operating temperature (the radiator fan comes on).

Temperature	56°C (133°F)	85°C (185°F) – 100°C (212°F)
Resistance (Ω)	142	49 – 32

5. If the obtained readings are substantially different from the specifications above, replace the ECT sending unit.