Troubleshooting Flow Chart — Mixture Compensation Resistor [Except KG, KX, KQ]

Self-diagnosis Red LED indicator blinis twice: A problem in the Mixture Compensation Resistor circuit.

-Check engine warning light is on.
-Red LED indicates CODE 2.

Turn the ignition switch OFF.

Remove ALTERNATOR SENSE fuse in the under-hood relay box for 10 seconds to reset ECU.

Turn the ignition switch ON.

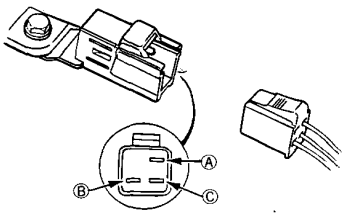
Is Check engine warning light on?

NO → Intermittent failure (test drive may be necessary.)

YES

Turn the ignition switch OFF.

Disconnect the 4P connector on mixture compensation resistor that has only 3 wires.



Measure resistance between A terminal and C terminal on the resistor.

Is there 3—6 kΩ?

NO → Replace mixture compensation resistor.

YES

Measure resistance between A and C terminals and between B and C terminals.

Does the sum of the two resistance checks equal 3—6 kΩ?

NO → Replace mixture compensation resistor.

YES

Turn the ingition switch ON.

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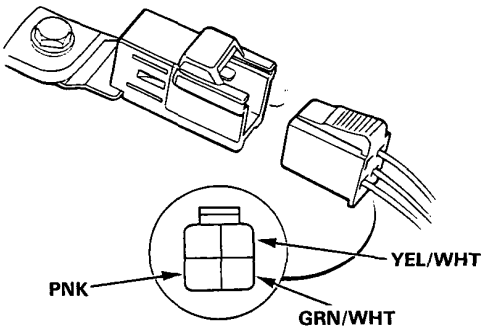
(From page 6-30)

Measure voltage between YEL/WHT (+) terminal and GRN/WHT (−) terminal on the R. side wire harness.



Is there approx. 5 V?

NO → Measure voltage between YEL/WHT (+) terminal and body ground.

YES

Turn the ignition switch OFF.

Connect the PGM-FI test between the ECU and connector (page 6-23).

Turn the ignition switch ON.

Measure voltage between C10 (+) terminal and C14 (−) terminal.

Is there 0.5—4.5 V?

NO → Repair open or short in PNK wire between ECU (C10) and the resistor.

YES

Substitute a known-good ECU and re-check. If symptom/indication goes away, replace the original ECU.

Is there approx. 5 V?

YES → Repair open in GRN/WHT wire between ECU (C14) and the resistor.

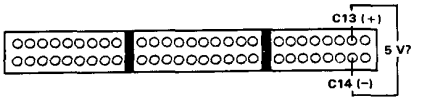
NO

Turn the ignition switch OFF.

Connect the PGM-FI test harness between the ECU and connector (page 6-23).

Turn the ignition switch ON.

Measure voltage between C13 (+) terminal and C12 (−) terminal.



Is there approx. 5 V?

YES → Repair open in YEL/WHT wire between ECU (C13) and the resistor.

NO

Substitute a known-good ECU and re-check. If prescribed voltage is now available, replace the original ECU.