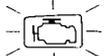


Idle Control System

Troubleshooting Flow Chart — EACV



Self diagnosis Red LED indicator blinks fourteen times: A problem in the Electronic Air Control Valve (EACV) circuit.

- Engine is running.
- Check engine warning light is on.
- Red LED indicates CODE 14.

Turn the ignition switch OFF.

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

Start engine.

Is Check engine warning light on? **NO** Intermittent failure
(test driving may be necessary.)

YES
Stop engine.

Disconnect the 2P connector on the EACV.

Measure resistance between the 2 terminals on the EACV.

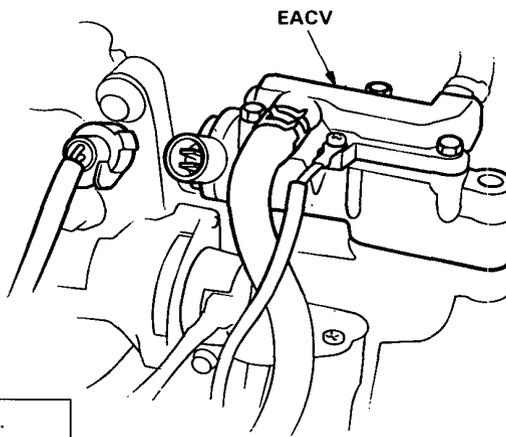
Is there 8—15Ω? **NO** Replace EACV.

YES
Check for continuity to body ground on each terminal on the EACV.

Does continuity exist? **YES** Replace EACV.

NO
Turn the ignition switch ON.

(To page 6-63)





(From page 6-62)

Measure voltage between YEL/BLK (+) terminal and BLU/RED (-) terminal.

Is there battery voltage?

YES

Disconnect the 17P connector from the ECU.

Is there battery voltage?

YES

Repair short in BLU/RED wire between ECU (A11) and EACV.

NO

Measure voltage between YEL/BLK (+) terminal and body ground.

Is there battery voltage?

NO

Repair open in YEL/BLK wire between the EACV and main relay.

YES

Turn the ignition switch OFF.

Reconnect the 2P connector to EACV.

Connect the PGM-FI test harness "A" connector to the R. side wire harness only, not the ECU (page 6-23).

Turn the ignition switch ON.

Measure voltage between A11 (+) terminal and A18 (-) terminal.

Is there battery voltage?

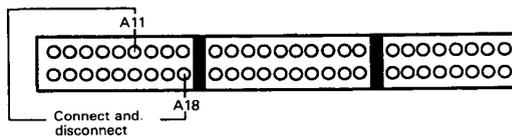
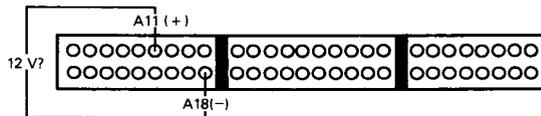
NO

Repair open in BLU/RED wire between ECU (A11) and EACV.

YES

Connect and disconnect A11 terminal to A18 terminal.

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



(To page 6-64)

(cont'd)

Idle Control System

Troubleshooting Flow Chart — EACV (cont'd)

(From page 6-63)

