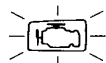
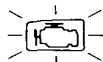




Troubleshooting Flowchart — EACV [KZ, KS, KX]



Self-diagnosis LED indicates code 14: A problem in the Electronic Air Control Valve (EACV) circuit.



- Engine is running.
- Check Engine warning light has been reported on.
- LED indicates CODE 14.

Turn the ignition switch OFF.

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

Start the engine.

Is Check Engine warning light on and does LED indicate CODE 14?

NO

Intermittent failure, system is OK at this time (test driving may be necessary). Check for poor connections or loose wires at EACV and at C235.

YES

Stop the engine.

Disconnect the 2P connector from 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.

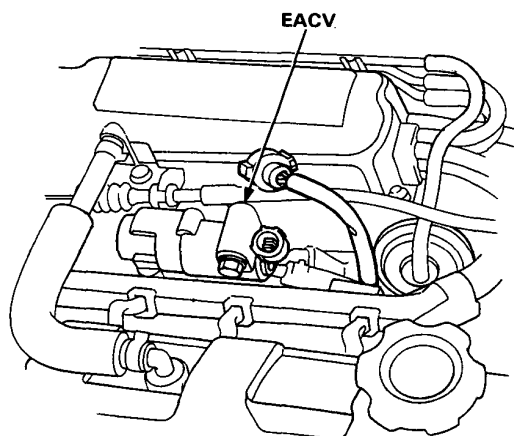
Does continuity exist?

YES

Replace EACV.

NO

(To page 6-156)



(cont'd)

Idle Control System

Troubleshooting Flowchart — EACV [KZ, KS, KX] (cont'd)

(From page 6-155)

Turn the ignition switch ON.

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

Is there battery voltage ?

YES

Disconnect the "A" connector
from the ECU.

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

Is there battery voltage ?

YES

Repair short in BLU/
RED wire between
ECU (A9) and EACV.

NO

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

Is there battery voltage ?

NO

Repair open in BLK/YEL
or YEL/BLK wire be-
tween the EACV and
Main Relay (wire color
changes at C235).

YES

Turn the ignition switch OFF.

Reconnect the 2P connector to
EACV.

Connect the ECU test harness
(page 6-116) "A" connector to
the main wire harness only, not
the ECU.

Turn the ignition switch ON.

Measure voltage between A9
(+) terminal and A23 (-) ter-
minal.

Is there approx. 10 V?

NO

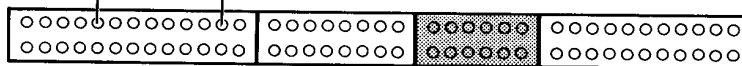
Repair open in BLU/
RED wire between
ECU (A9) and EACV.

YES

(To page 6-157)

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

10 V?
A9 (+) A23 (-)





(From page 6-156)

