



## Idle Control System

### Testing

NOTE: Snap the accelerator pedal several times and check the idle speed with the accelerator pedal fully returned.

1. Start the engine and warm up to normal operating temperature (the cooling fan comes on).
2. Check the idle speed with headlights, heater blower, rear window defogger, cooling fan and air conditioner off.

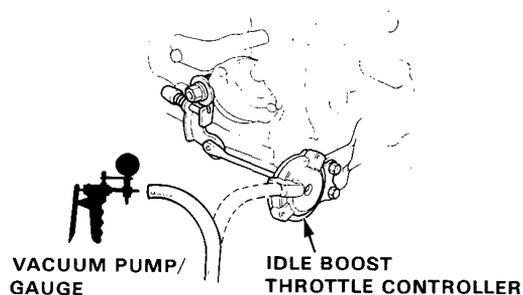
Idle speed should be:

Manual	$750 \pm 50 \text{ min}^{-1}$ (rpm)
Automatic	$700 \pm 50 \text{ min}^{-1}$ (rpm) (except "N" or "P")

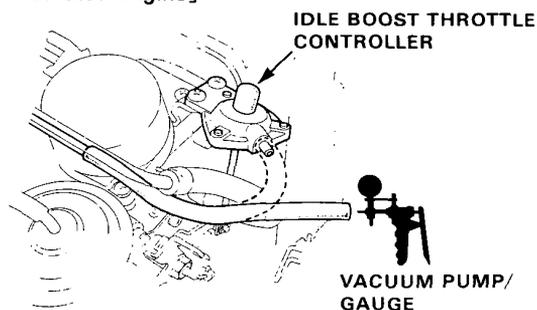
- If OK, go to step 4.
  - If not, go to step 3.
3. Disconnect the vacuum hose from the idle boost throttle controller and check the vacuum.

There should be no vacuum.

### [1-Carbureted Engine]



### [2-Carbureted Engine]



- If there is no vacuum, check the throttle valve shaft for binding or sticking and replace the idle boost throttle controller.
- If there is vacuum, go to troubleshooting (page 6-8).

4. Check the idle speed with the A/C on.

Idle speed should be:  $750 \pm 50 \text{ min}^{-1}$  (rpm)

- If not, disconnect the vacuum hose from the idle boost throttle controller and check the vacuum.

There should be vacuum.

- If there is vacuum, check the throttle valve shaft for binding or sticking and replace the idle boost throttle controller.
- If there is no vacuum, go to troubleshooting (page 6-8).

(cont'd)

# Carburetor

## Idle Control System

### Troubleshooting Flow Chart A/C Idle Boost Solenoid Valve

Inspection of A/C Idle Boost Solenoid Valve.

Disconnect the lower vacuum hose of the solenoid valve from the vacuum hose manifold and connect a vacuum pump.

Disconnect the upper vacuum hose of the solenoid valve from the idle boost throttle controller and connect a vacuum gauge.

Start the engine.

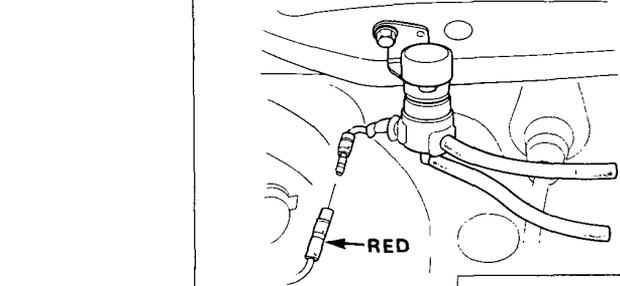
Apply vacuum.

Does solenoid valve hold vacuum?

NO

Disconnect the connector near the solenoid valve.

Measure voltage between RED (+) terminal and body ground.



Is there voltage?

YES

Check the compressor control unit.

NO

Replace the solenoid valve.

Turn the A/C switch ON.

Apply vacuum.

(To page 6-9)

