

A/C Idel Boost Control System



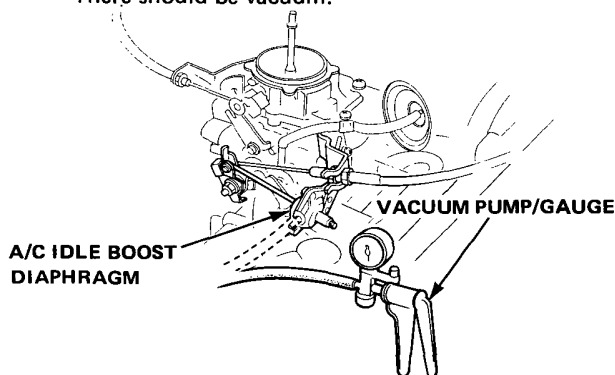
Inspection

1. Start the engine to warm up (cooling fan comes on).
2. Turn A/C switch ON (with the compressor and condenser cooling fan running).

Idle speed should rise.

- If idle speed rises, the test is complete (except Australian and Swiss models) or go on to step 4.
- If idle does not rise, disconnect vacuum hose from the A/C idle boost diaphragm and check for vacuum at vacuum hose.

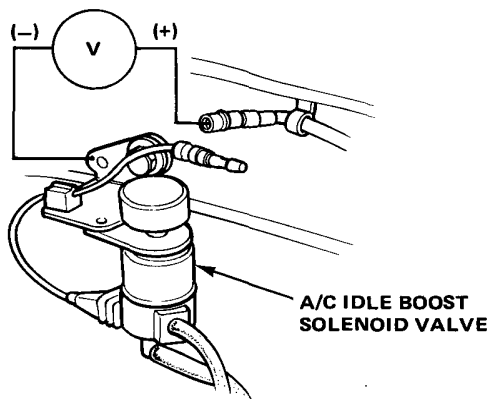
There should be vacuum.



- If there is no vacuum, go on to step 3.
- If there is vacuum, replace the throttle controller and re-test.

3. Check for voltage at A/C idle boost solenoid valve (with the compressor and condenser cooling fan running).

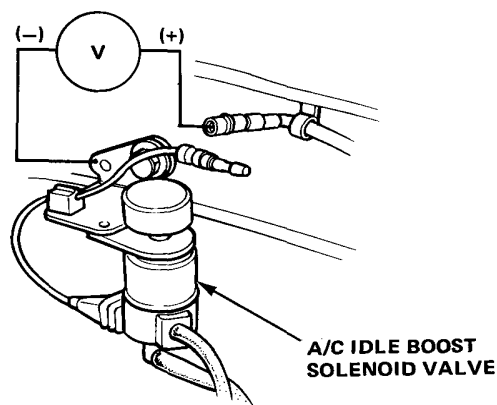
There should be voltage.



- If there is no voltage, check the wiring and A/C circuit (except Australian and Swiss models or go on to troubleshooting (page 12-23)).
- If there is voltage, check the vacuum line for leaks, blockage or disconnected hose, then replace the solenoid valve and re-test.

4. Raise engine speed to approximately 3,000 min⁻¹ (rpm), then suddenly release the throttle and check for voltage at the A/C idle boost solenoid valve during deceleration above 1,800 min⁻¹ (rpm).

There should be no voltage.



- If there is voltage, go on to troubleshooting (page 12-23).
- If no voltage, test is complete.