

Emission Control System

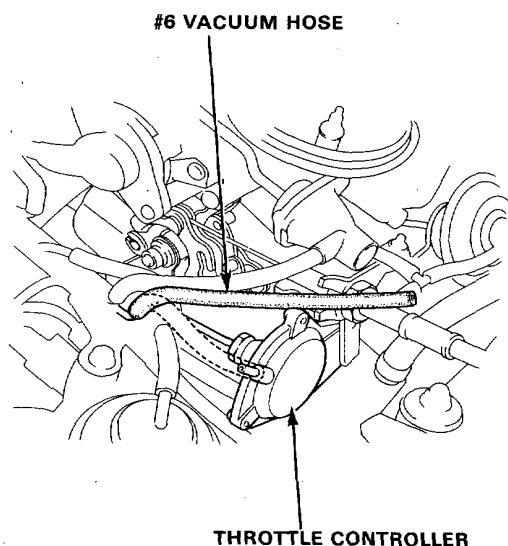
Throttle Control System

Testing (HOT ENGINE)

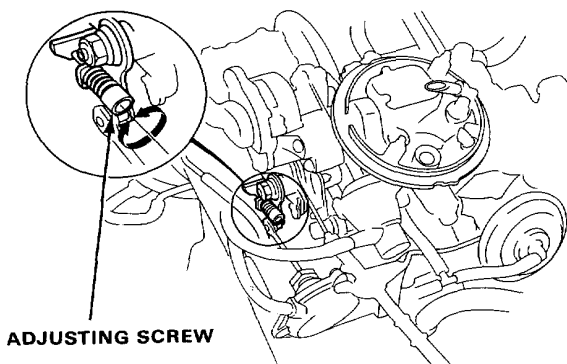
[KX, KS, KG, KQ AND KF, KB, KE, KY, KW, KP, KT (A/T)]

1. Start the engine and warm up to normal operating temperature (the cooling fan comes on).
2. Disconnect the #6 vacuum hose from the throttle controller and check the engine speed.

Engine speed should be: $1,800 \pm 300 \text{ min}^{-1} \text{ (rpm)}$

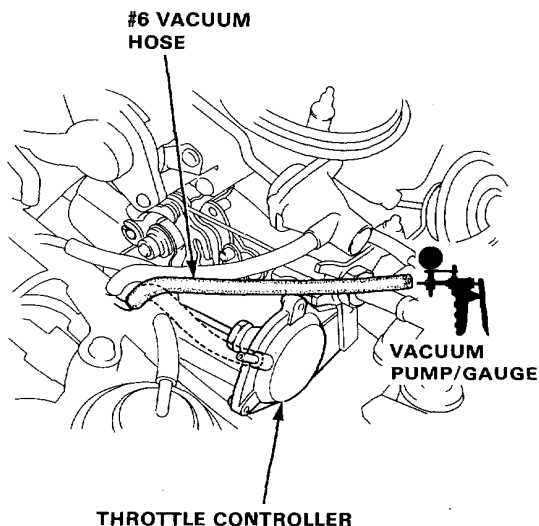


- If the engine speed is excessively high, adjust by turning the adjusting screw.



- If the engine speed does not change, connect a vacuum pump to the #6 vacuum hose and check vacuum.

There should be vacuum.



- If there is no vacuum, check the #6 vacuum hose for proper connection, cracks, blockage or disconnected hose.
 - If there is vacuum, replace the throttle controller and retest.
3. Reconnect the #6 vacuum hose and check the idle speed.
Idle speed should be within specification (page 6-77).

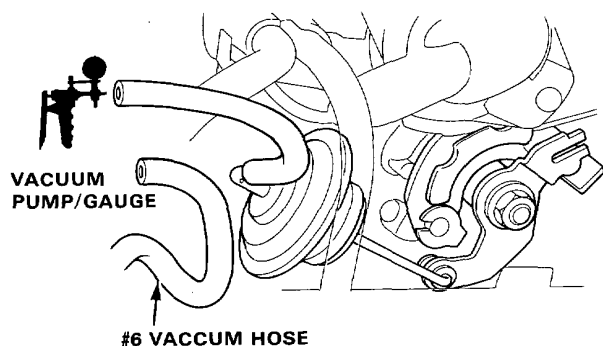


Testing

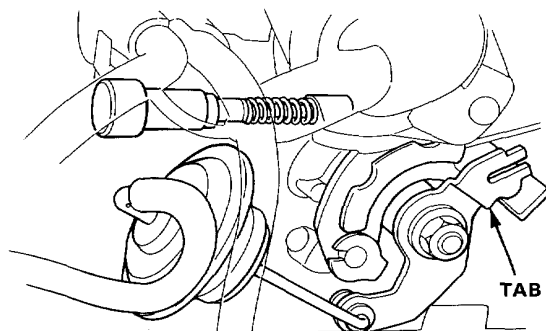
[Except KX, KS, KG, KQ and KF, KB, KE, KY, KW, KP, KT (A/T)]

1. Start the engine and warm up to normal operating temperature (the cooling fan comes on).
2. Disconnect #6 vacuum hose from the throttle controller, connect a vacuum pump to the controller and apply 400 mmHg (16 in. Hg) vacuum.

Engine speed should rise to 1,300–2,300 min^{-1} (rpm) with in 1 minute.



- If the engine speed is excessively high, adjust the engine speed by bending TAB.



- If the engine speed does not change, replace the throttle controller and retest.

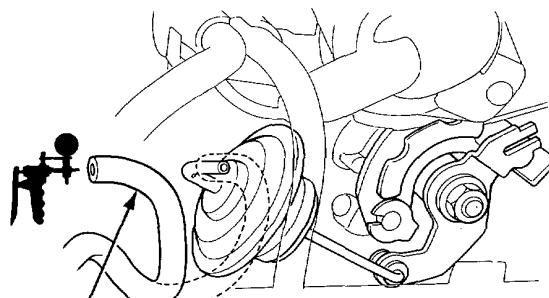
Throttle Controller Control Valve Testing

[Except KX, KS, KG, KQ AND KF, KB, KE, KY, KW, KP, KT (A/T)]

1. Start the engine and warm up to normal operating temperature (the cooling fan comes on).
2. Connect a vacuum pump to the #6 vacuum hose.

Raise the engine speed to 3,500 min^{-1} (rpm) and close the throttle suddenly, then check vacuum.

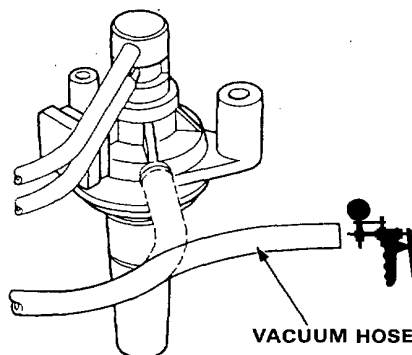
There should be vacuum.



#6 VACUUM HOSE

- If there is vacuum, replace the throttle controller and retest.
- If there is no vacuum, check the #6 vacuum hose for proper connection, cracks, blockage or disconnected hose, and disconnected the lower vacuum hose from the throttle controller control valve. Check the vacuum.

There should be vacuum.



- If there is no vacuum, check the lower and #3 vacuum line for proper connection, cracks, blockage or disconnected hose.
If OK, replace the throttle controller control valve.

3. Reconnect the #6 vacuum hose and check the idle speed.
Idle speed should be within specification (page 6-77).