

Emission Control System

Throttle Control

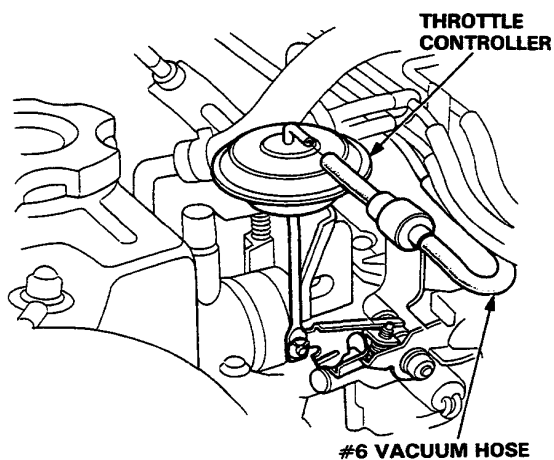
[KX, KS, KZ model and KF, KG, KW, KB, KE, KY, KT (A/T) model]

Testing (HOT ENGINE)

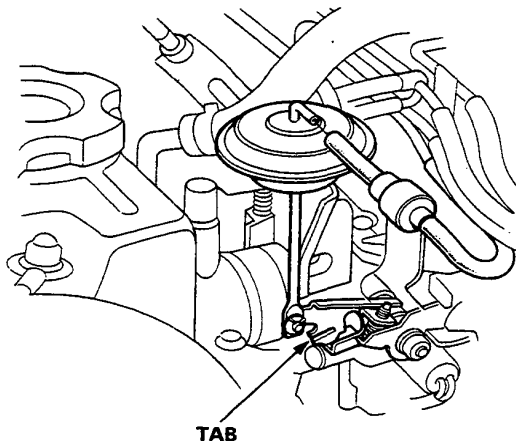
1. Start the engine and warm up to normal operating temperature (the cooling fan comes on).
2. Disconnect the #6 vacuum hose from the throttle controller and check the engine speed.

Engine speed should be:

Manual	$2,200 \pm 500 \text{ min}^{-1} \text{ (rpm)}$
Automatic	$1,900 \pm 500 \text{ min}^{-1} \text{ (rpm)}$

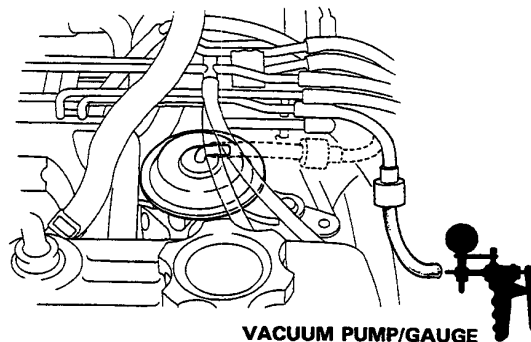


- If the engine speed is excessively high, adjust the engine speed by bending TAB.



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

There should be vacuum.



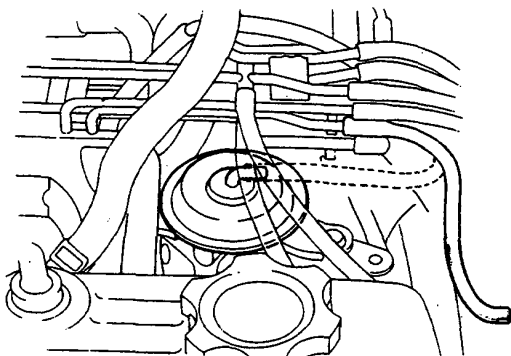
- If there is no vacuum, check the #6 vacuum hose for proper connection cracks, blockage or disconnected hose and replace the check valve.
 - If there is vacuum, replace the throttle controller and retest.
3. Reconnect the #6 vacuum hose and check the idle speed.
- Idle speed should be within specification (page 6-33).



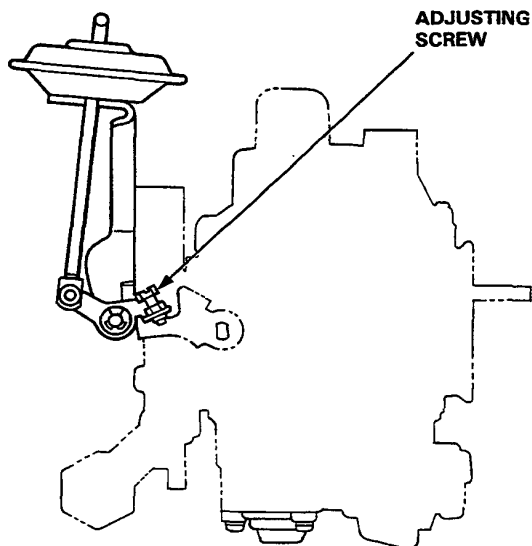
[Other model]

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

Engine speed should rise to 1,500–2,500 min⁻¹ (rpm) within 1 minute.

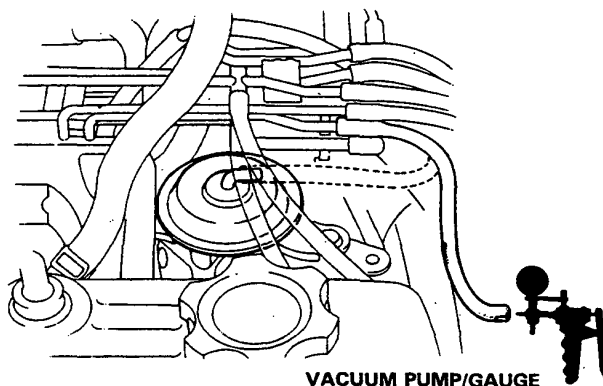


- If the engine speed is excessively high, adjust the engine speed by turning adjusting screw.



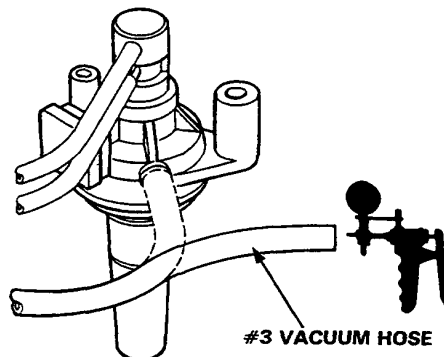
- If the engine speed does not change, connect a vacuum pump to the #6 vacuum hose. Raise the engine speed to 3,500 min⁻¹ (rpm) and close the throttle suddenly, then check vacuum.

There should be vacuum.



- 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 #3 vacuum hose from the throttle controller control valve. Check the vacuum.

There should be vacuum.



- If there is vacuum, check the #3 vacuum hose for proper connection, cracks, blockage or disconnected hose, and replace the throttle controller control valve.
3. Reconnect the #6 vacuum hose and check the idle speed. Idle speed should be within specification (page 6-33).