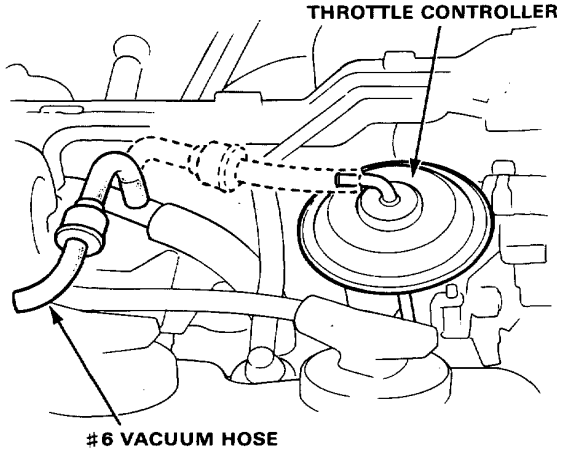
Testing (HOT ENGINE)

(1.4 ℓ Engine and 1.6 ℓ A/T 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.

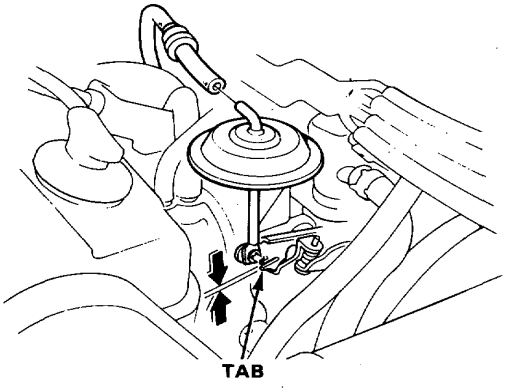
Engine speed should be:

Manual	2,200±500 min^{-1} (rpm)
Automatic	1,900±500 min^{-1} (rpm)

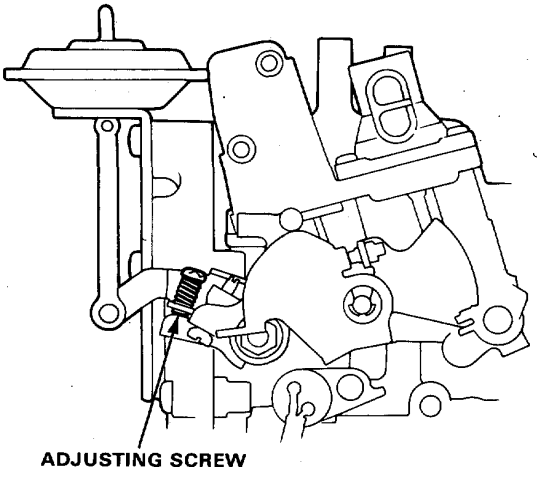


- If the engine speed is excessively high:
  1.4ℓ Engine; adiust by bending TAB.
  1.6ℓ Engine; adjust by turning the adjusting screw.

(1.4 ℓ Engine)

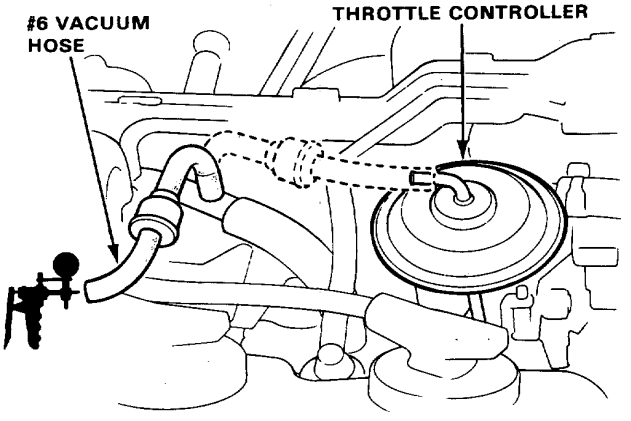


(1.6 ℓ A/T Engine)



- 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, brockage 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 6-15).

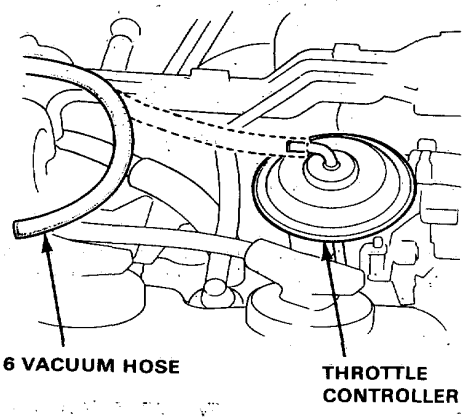
(cont'd)

Throttle Control System (cont'd)

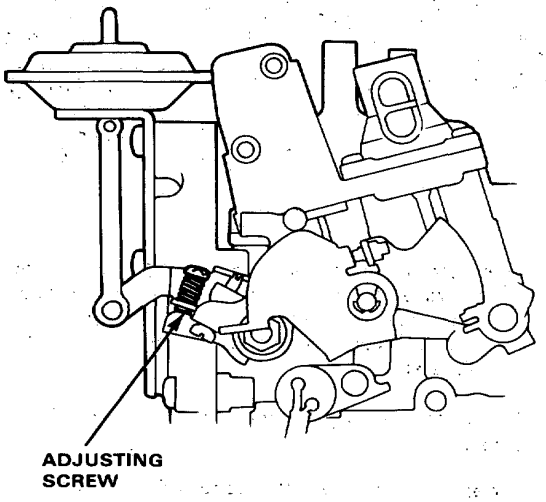
(1.6 ℓ M/T Engine)

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 1,500–2,500 min^{-1} (rpm) with in 1 minute.

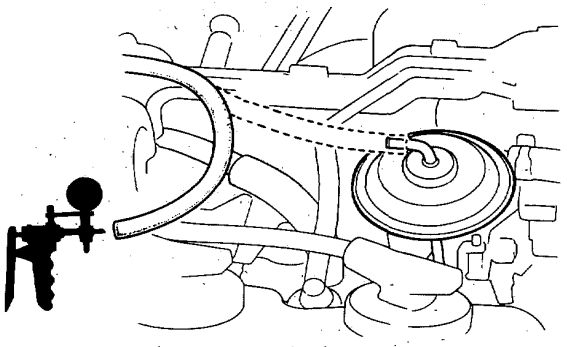


- If the engine speed is excessively high, adjust the engine speed by turning adjusting screw.



- 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.

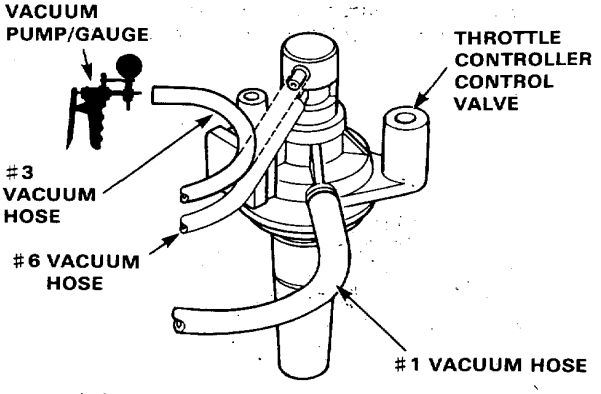
  There should be vacuum.



  — 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. Raise the engine speed and close the throttle suddenly, then check vacuum.

  There should be vacuum.



- If there is vacuum, chek the #1 vacuum hose for proper connection, cracks, blockage or disconnected hose, and replace the throttle controller control valve.
- If there is no vacuum, check the #3 vacuum hose for proper connection, cracks, blockage or disconnected hose.

3. Reconnect the #6 vacuum hose and check the idle speed.
   Idle speed should be within specification (page 6-15).