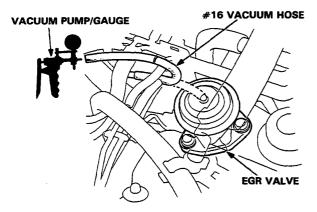
EGR —

[KX, KS, KZ model]

Testing (COLD ENGINE)

NOTE: The engine coolant temperature must be below 63°C (145.4 °F)

 Disconnect the #16 vacuum hose from the EGR valve and connect a vacuum pump to the hose.



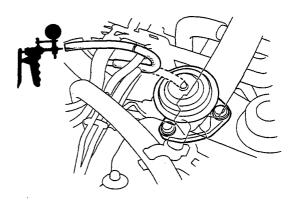
 Start the engine and raise the engine speed to 3,000 min⁻¹ (rpm).

There should be no vacuum.

- If there is no vacuum, go on to the hot engine test (next column).
- If there is vacuum, go to troubleshooting (page 6-77).

Testing (HOT ENGINE)

 Disconnect the #16 vacuum hose from the EGR valve and connect a vacuum pump to the hose.

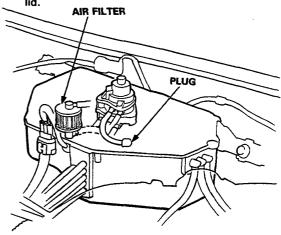


2. Start the engine and warm up to normal operating temperature (the cooling fan comes on).

Vacuum should be as shown below:

Condition		Vacuum at EGR hose
1	Idle	No
2	3,000 min ⁻¹ (rpm)	Yes, 2-6" Hg
3	3,000 min ⁻¹ (rpm) with blocked vacuum bleed	Yes, Less than 2" Hg
4	Rapid acceleration	Yes, 2-6" Hg
5	Deceleration	No

3. Remove the control box and open the control box lid.

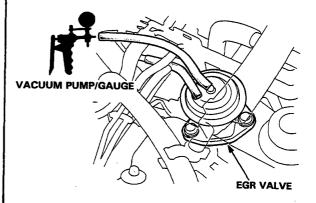




- If vacuum is available at idle (condition 1) check the vacuum hoses for proper routing and connections, then check for correct idle speed and idle mixture, and make adjustment as necessary.
- If there is no vacuum in conditions 2 and 4, go to troubleshooting (page 6-77).
- If vacuum is more than 2" Hg in condition 3, replace the EGR control valve and check the vacuum hoses for proper routing and connections.

EGR Valve Test

- 1. Start engine and allow to idle.
- Disconnect vacuum hose from EGR valve and connect a vacuum pump to EGR valve.



- Apply 150 mm Hg (6 in. Hg) vacuum to EGR Valve.
 Vacuum should remain steady and engine should die.
 - If vacuum remains steady and engine dies, EGR valve is working properly. Remove the vacuum pump and reconnect EGR vacuum hose; test is complete.
 - If vacuum does not remain steady and engine does not die, replace EGR valve and retest.
 - If vacuum remains steady but engine does not die: Remove EGR valve; check EGR valve and manifold for blockage, clean or replace as necessary and retest.