

2005-08 ENGINE PERFORMANCE

PCV System - RL

COMPONENT LOCATION INDEX

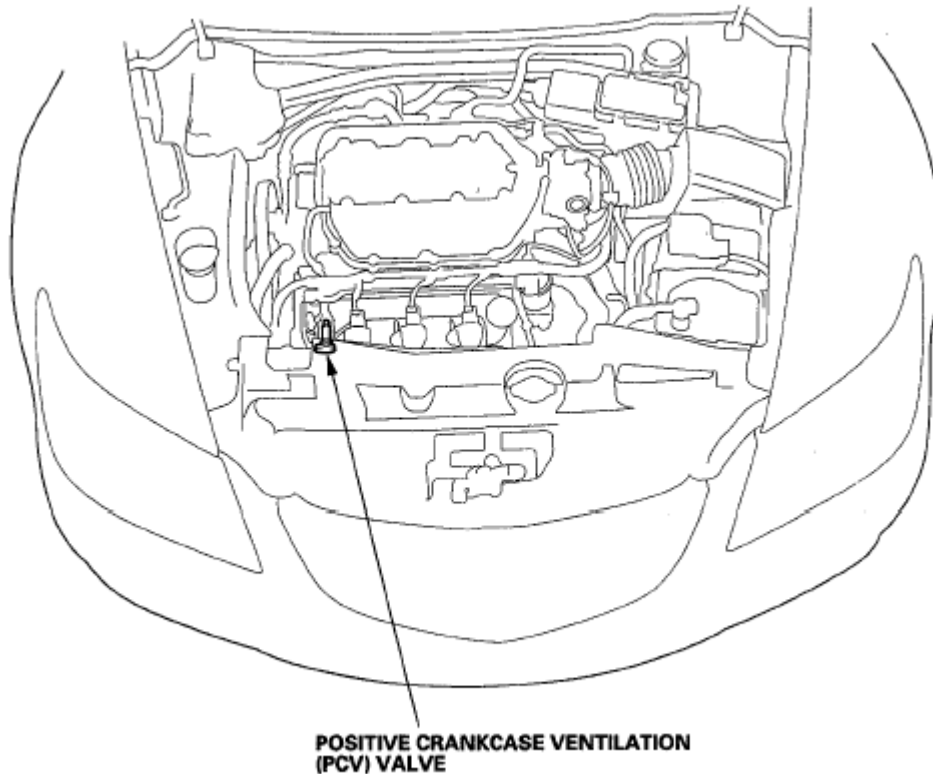


Fig. 1: Identifying PCV System Component Location
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DTC TROUBLESHOOTING

DTC P2279: INTAKE AIR SYSTEM LEAK

NOTE:

- Before you troubleshoot, record all freeze data and any on-board snapshot, and review the general troubleshooting information (see GENERAL TROUBLESHOOTING INFORMATION).
- If DTC P0443 is stored at the same time as DTC P2279, troubleshoot DTC P0443 first, then recheck for DTC P2279.

1. Check for vacuum leaks at these parts:

- PCV valve
- PCV hose
- Purge (PCS) line
- Throttle body

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- Intake manifold
- Brake booster
- Brake booster hose

Are there any leaks?

YES - Repair or replace the damaged part(s), then go to step 4.

NO - Go to step 2.

2. Start the engine. Hold the engine speed at 3,000 RPM without load (in Park or neutral) until the radiator fan comes on, then let it idle for 1 minute.
3. Monitor the OBD STATUS for DTC P2279 in the DTCs MENU with the HDS.

Does the screen indicate FAILED?

YES - Check the camshaft timing (see **TIMING BELT INSTALLATION**), then go to step 4.

NO - If the screen indicates PASSED, intermittent failure, the system is OK at this time. If the screen indicates NOT COMPLETED, go to step 2 and recheck.

4. Reset the PCM with the HDS.
5. Do the PCM idle learn procedure (see **PCM IDLE LEARN PROCEDURE**).
6. Start the engine. Hold the engine speed at 3,000 RPM without load (in Park or neutral) until the radiator fan comes on, then let it idle 1 minute.
7. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P2279 indicated?

YES - Check for vacuum leaks at the PCV valve, the PCV hose, the purge (PCS) line, the throttle body, the intake manifold, and the brake booster hose, then go to step 1.

NO - Go to step 8.

8. Monitor the OBD STATUS for DTC P2279 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES - Troubleshooting is complete. If any other Temporary DTCs or DTCs were indicated in step 7, go to the indicated DTCs troubleshooting.

NO - If the screen indicates FAILED, go to step 1. If the screen indicates NOT COMPLETED, keep idling until a result comes on.

PCV VALVE INSPECTION

1. Remove the engine cover (see **IGNITION COIL REMOVAL/INSTALLATION**).
2. Check the PCV valve (A), hoses (B), and connections for leaks or restrictions.

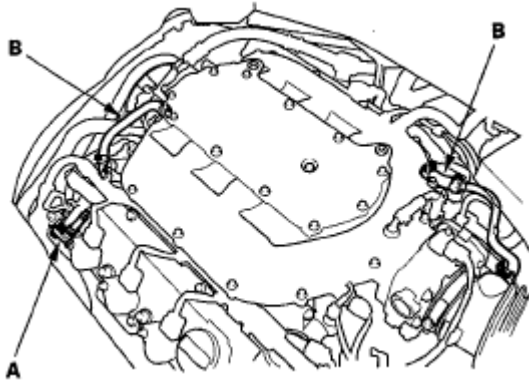


Fig. 2: Identifying PCV Valve And Hoses

Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. At idle, listen to the PCV valve (A) with a stethoscope as you lightly pinch the PCV hose (B) with your fingers or pliers several times. Each time the hose is pinched, the valve should click.

If there is no clicking sound, check the PCV valve grommet for cracks or damage. If the grommet is OK, replace the PCV valve and recheck.

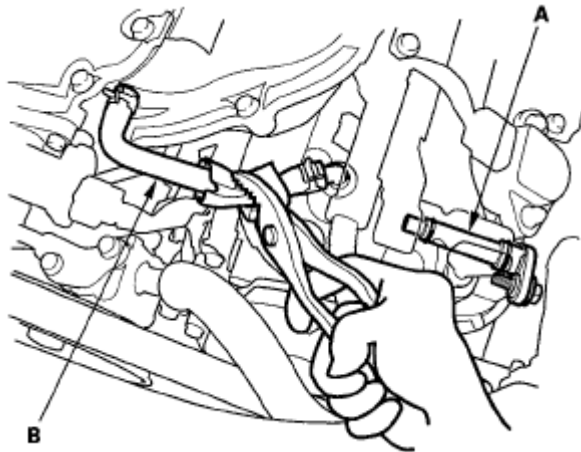


Fig. 3: Pinching PCV Valve And PCV Hose

Courtesy of AMERICAN HONDA MOTOR CO., INC.

PCV VALVE REPLACEMENT

1. Remove the engine cover (see IGNITION COIL REMOVAL/INSTALLATION).
2. Remove the bolt (A).

NOTE: Take care not to spill oil on the hot exhaust manifold.

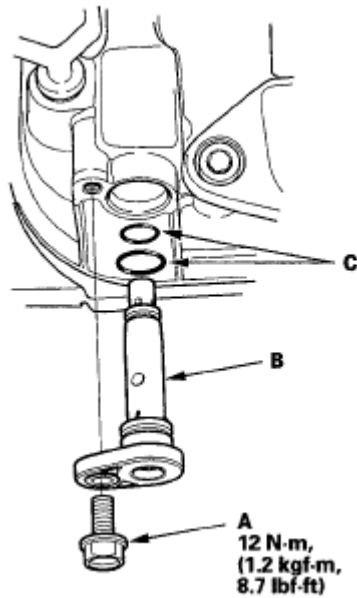


Fig. 4: Identifying PCV Valve And Bolt With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the PCV valve (B).
4. Install the parts in the reverse order of removal.

NOTE:

- When installing a new PCV valve, make sure the O-rings (C) are in place.
- When installing a used PCV valve, use new O-rings (C).