

2004 ENGINE PERFORMANCE

PCV System - TSX

DTC TROUBLESHOOTING

DTC P2279: INTAKE AIR SYSTEM LEAK DETECTED

NOTE: 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 the following parts.

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

Are the parts OK?

YES: Go to step 2.

NO: Repair or replace the leaking part(s), then go to step 4 .

2. Start the engine. Hold the engine speed at 3,000 RPM with no 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 **CAM CHAIN INSTALLATION**), then go to step 4.

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

4. Reset the ECM/PCM with the HDS.
5. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).
6. Start the engine. Hold the engine speed at 3,000 RPM with no load (in Park or neutral) until the radiator fan comes on, then let it idle for 1 minute.
7. Check for Temporary DTCs or DTCs in the DTCs MENU with the HDS.

Are any Temporary DTCs or DTCs indicated?

YES: If DTC P2279 is indicated, check for vacuum leaks at the PCV valve, the PCV hose, the purge (PCS) line, the throttle body, or the brake booster hose, then go to step 4 . If any other Temporary DTCs or DTCs are indicated, go to the indicated DTC troubleshooting.

NO: Go to step 8.

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

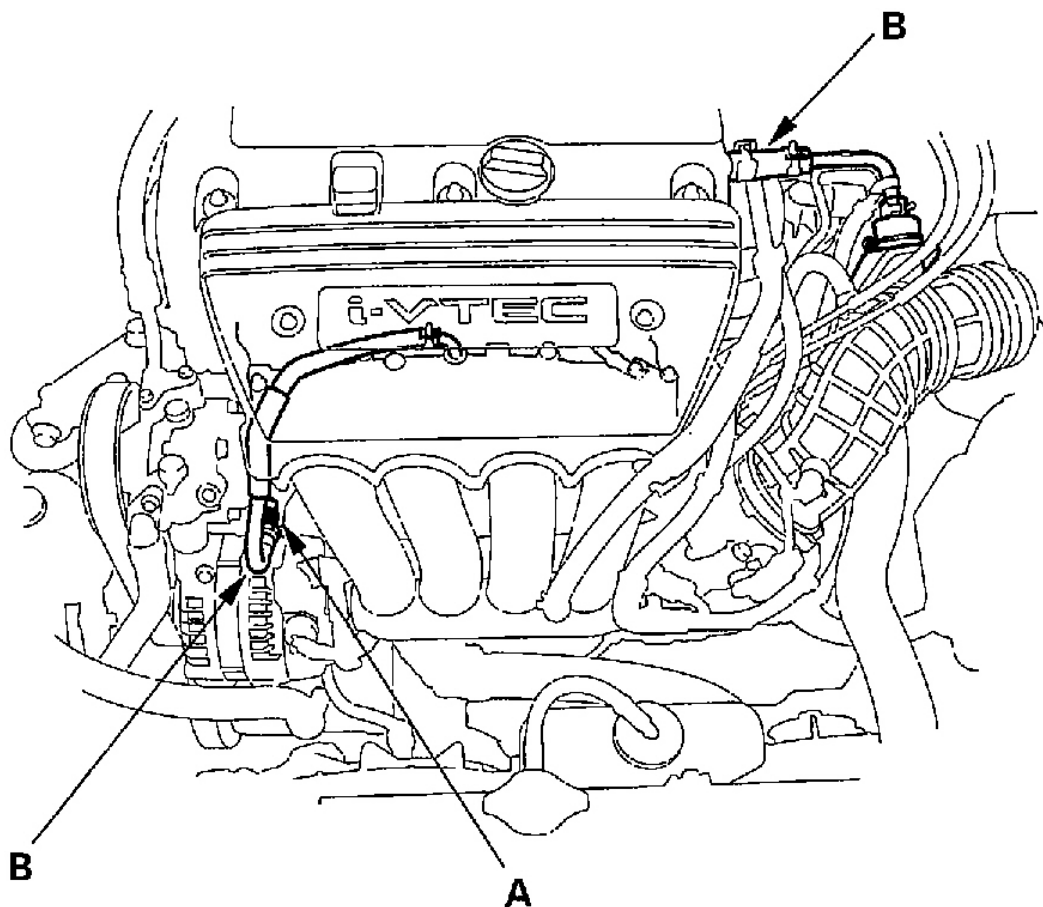
Does the screen indicate PASSED?

YES: Troubleshooting is complete.

NO: If the screen indicates FAILED, go to step 1 and recheck. If the screen indicates NOT COMPLETED, go to step 6 and recheck.

PCV VALVE INSPECTION & TEST

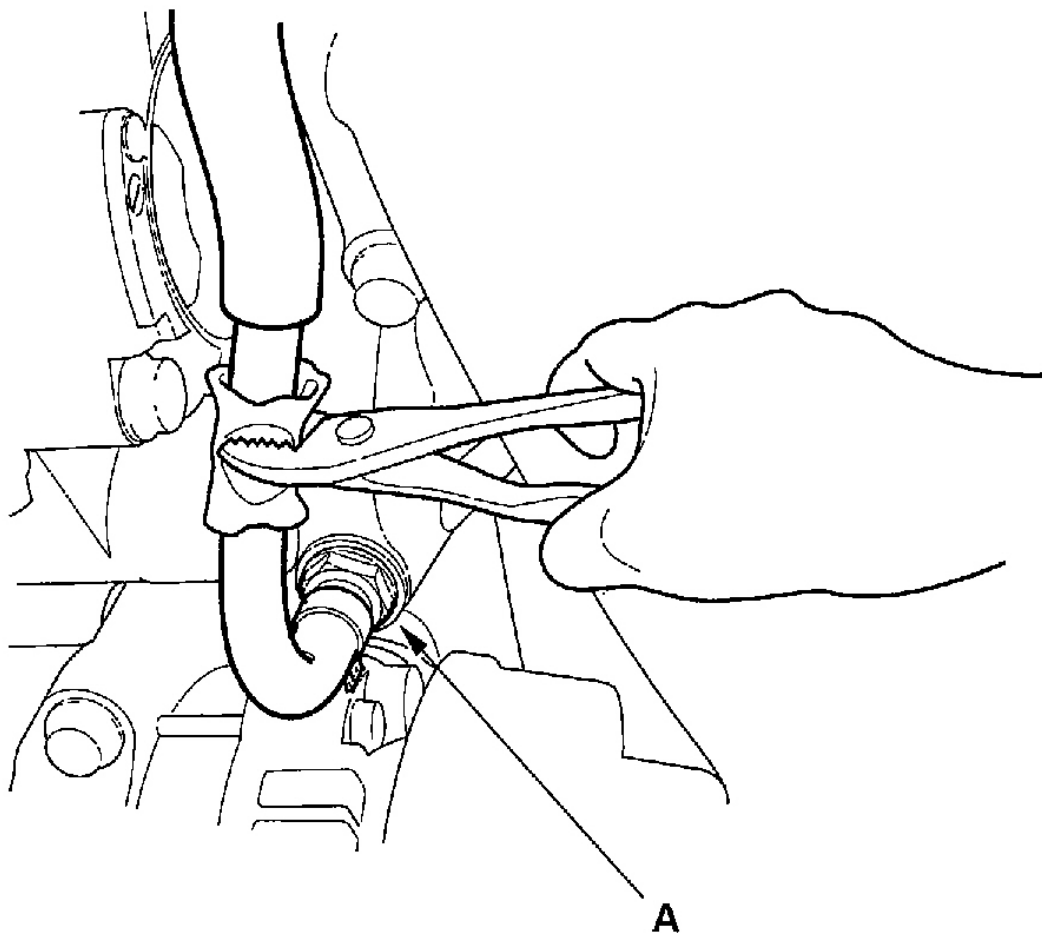
1. Check the PCV valve (A), hoses (B), and connections for leaks or restrictions.



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Fig. 1: Checking The PCV Valve, Hoses & Connections

2. At idle, make sure there is a clicking sound from the PCV valve when the hose between the PCV valve and intake manifold is lightly pinched (A) with your fingers or pliers. If there is no clicking sound, check the PCV valve washer for cracks or damage. If the washer is OK, replace the PCV valve and recheck.



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Fig. 2: Pinching PCV Valve Hose

PCV VALVE REPLACEMENT

1. Disconnect the PCV hose.
2. Remove the PCV valve (A).

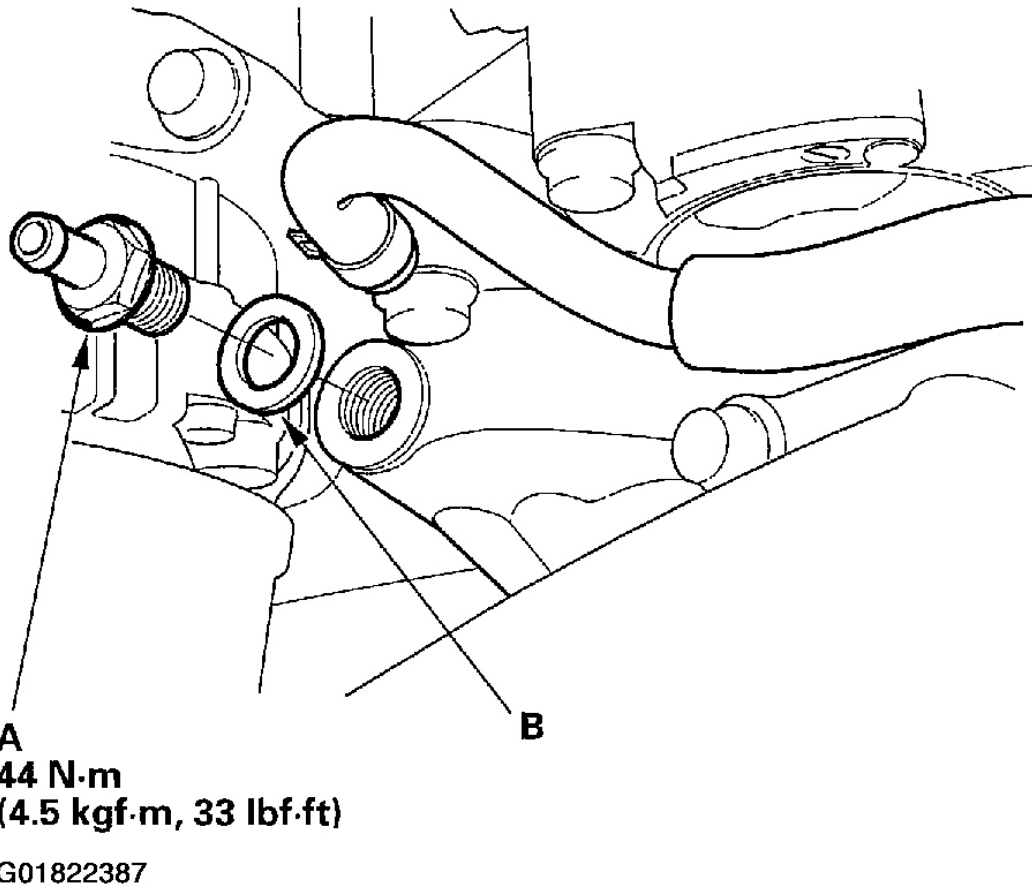


Fig. 3: Removing The PCV Valve

3. Install the valve in the reverse order of removal with a new washer (B).