

TROUBLESHOOTING

CONDITION	ACTION
Engine runs rough or will not run:	<p>Check the rubber hose for clogs; check the hose and grommet for cracks, cuts and deterioration (see step 4).</p> <p>Check the hose clamp for tightness and location (see step 5).</p> <p>Make sure the PCV valve has not been installed backward.</p> <p>If problems persist, take the vehicle to your Toyota Dealer Service Department for diagnosis and repair.</p>
The "Check Engine" light comes on:	Take the vehicle to your Toyota Dealer Service Department for diagnosis and repair.

REFERENCES

Please refer to the following sources for additional information:

- Your vehicle's Owner's Manual
- Your vehicle's Repair Manual

CAUTION

Moving parts like the fan blade and drive belts, as well as extreme heat in the engine compartment or from the exhaust system can result in serious injury.

- Approach with caution and care.
- Never take shortcuts when replacing parts.
- Improper servicing may damage your Toyota and lead to personal injury.
- Unless you have proper knowledge, equipment and tools, you should have your Toyota Dealer Service Department perform the repairs and maintenance.

IMPORTANT SAFETY NOTICE

Proper installation of Genuine Toyota replacement parts is essential for the safe and reliable operation of your vehicle.

Following these instructions will:

- Help to assure your personal safety
- Assist you in the proper replacement of specific parts

There are many variations in the step-by-step procedures used in installing various parts, and varying skill levels of individuals doing the parts replacement. These instructions cannot anticipate all circumstances or provide advice and caution on each. If you are in doubt concerning your ability to replace the part or have any questions, consult your local Toyota Dealer Service Department and have the work performed by an experienced technician.

For further assistance, contact your Toyota dealer.



Visit our Web site at www.toyota.com

M/N 00405-HOWTO-PCVVL

How To Replace The PCV VALVE



A GUIDE TO ASSIST YOU
IN THE PROPER REPLACEMENT
OF GENUINE TOYOTA PARTS



DIFFICULTY LEVEL

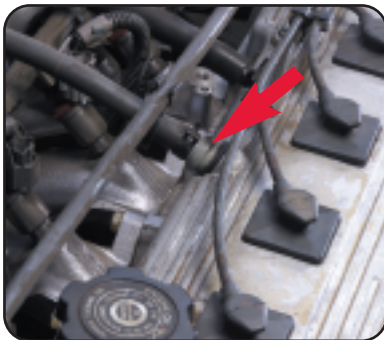
FROM ONE TO FOUR—FOUR BEING THE MOST DIFFICULT

**ESTIMATED TIME INVOLVED**5-15
MINUTES**TOOLS AND SUPPLIES**

- Genuine Toyota PCV Valve
- Pliers for hose clamp
- Flat-tip (– shaped) screwdriver

APPLICABLE MODELS AND LOCATIONS

PCV valves are a part of the engine's emission control system. They are installed on the majority of Toyota engines that use carburetors as well as some models with EFI (Electronic Fuel Injection).



Refer to the PCV Application Chart at your Toyota dealer or ask a parts department professional for assistance.

On most vehicles, the PCV valve fits into a rubber grommet in the valve cover on top of the engine assembly and is connected to the air filter case by a hose.

INSTRUCTIONS

1 ALWAYS REMOVE THE KEYS FROM THE IGNITION WHEN WORKING ON THE VEHICLE. SEE **CAUTION** ON BACK PANEL.

⚠ WARNING: To prevent injuries, allow the engine to cool before starting work.

⚠ WARNING: Keep your hands and tools away from the fan. Do not lean on the fan housing. The fan could automatically come on at any time.

2 REMOVE THE PCV VALVE FROM THE RUBBER GROMMET ON THE ENGINE'S VALVE COVER – Use a screwdriver to help pry off the valve. Be careful not to damage the rubber grommet.

INSTRUCTIONS (continued)

3 DISCONNECT THE HOSE FROM THE VALVE – Using pliers, compress the hose clamp and move it about 3/4" up the hose. Carefully pull and twist to remove the hose from the valve.



4 INSPECT THE HOSE AND GROMMET – Check for leaks, cracks, cuts and deterioration. Also check the hose for blockage. If a problem is found, replace the hose and/or grommet. PCV hoses and grommets should also be checked to verify pliability.



5 CONNECT A NEW PCV VALVE TO THE HOSE – Insert the small diameter end of the valve into the hose as far as it will go. Using pliers, install the hose clamp 1/4" past the lip of the PCV valve end.



6 INSERT THE PCV VALVE INTO THE RUBBER GROMMET – Insert the larger diameter end of the valve into the grommet as far as it will go.

INSTRUCTIONS (continued)

7 TEST DRIVE THE VEHICLE – Make sure that all tools and supplies are removed from the engine compartment. Start the engine and listen for any unusual noises. Test drive the vehicle.

8 RECORD THE DATE AND MILEAGE OF THE PCV VALVE CHANGE IN YOUR SERVICE MAINTENANCE LOG. CHECK THE SCHEDULED MAINTENANCE GUIDE TO ASSURE ALL MAINTENANCE IS PERFORMED AT THE APPROPRIATE TIME FOR THE MILEAGE.

