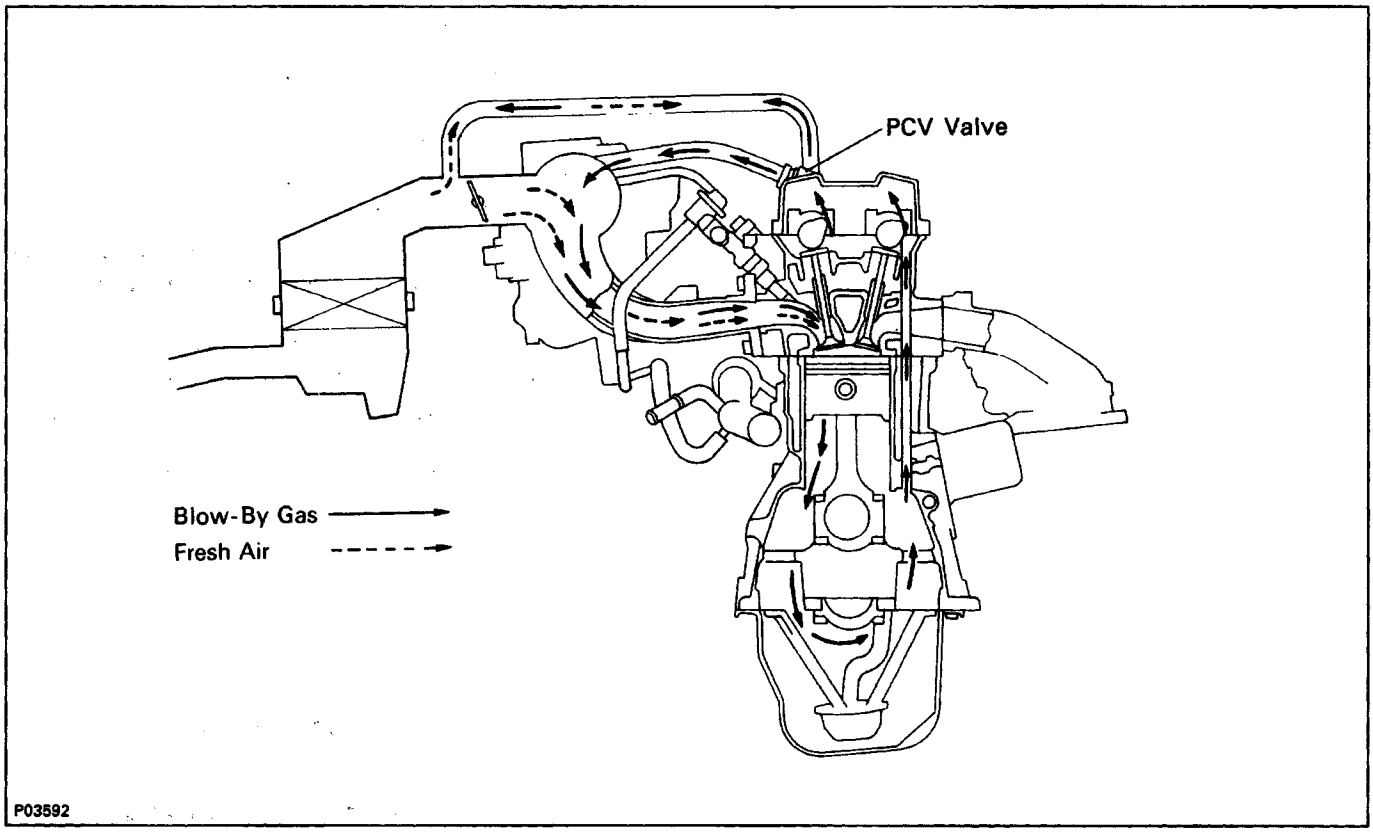
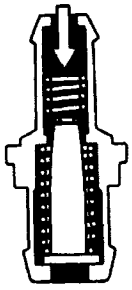
POSITIVE CRANKCASE VENTILATION (PCV) SYSTEM



To reduce HC emissions, crankcase blow–by gas (HC) is routed through the PCV valve to the intake manifold for combustion in the cylinders.

Engine not Running or if Backfiring

Intake Manifold Side

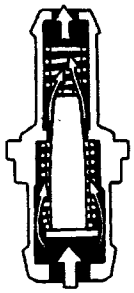


Cylinder Head Side

EC1001

○ PCV VALVE IS CLOSED.

Normal Operation

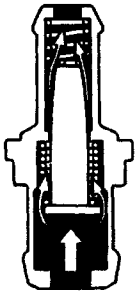


EC1002

○ PCV VALVE IS OPEN.

○ VACUUM PASSAGE IS LARGE.

Idling or Decelerating

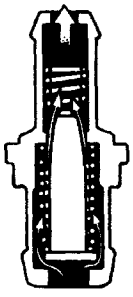


EC1003

○ PCV VALVE IS OPEN.

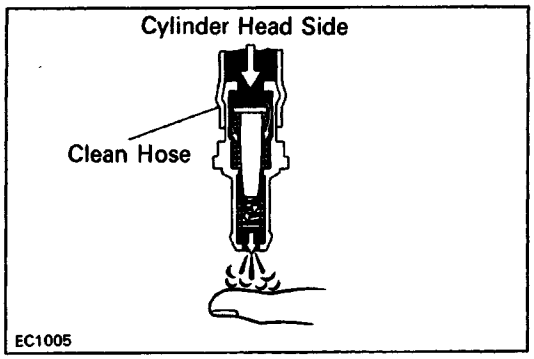
○ VACUUM PASSAGE IS SMALL.

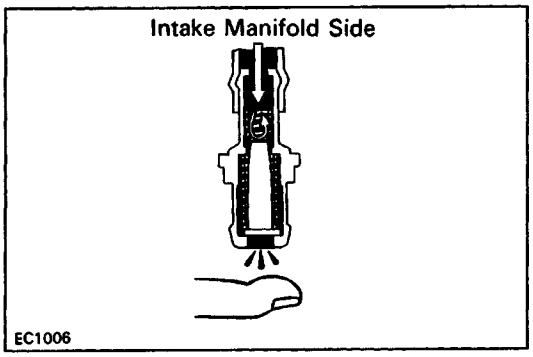
Acceleration or High Load



EC1004

○ PCV VALVE IS FULLY OPEN.





INSPECTION OF PCV VALVE

1. REMOVE PCV VALVE

2. INSTALL CLEAN HOSE TO PCV VALVE

3. INSPECT PCV VALVE OPERATION

(a) Blow air into the cylinder head side, and check that air passes through easily.

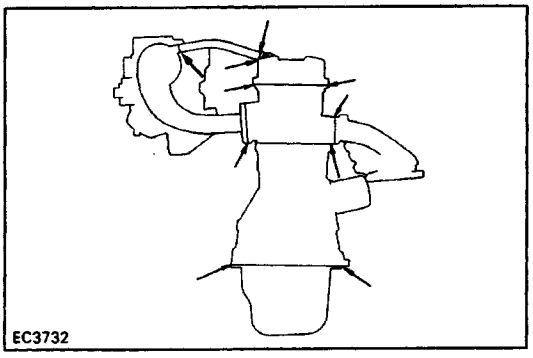
CAUTION: Do not suck air through the valve. Petroleum substances inside the valve are harmful.

(b) Blow air into the intake manifold side, and check that air passes through with difficulty.

If operation is not as specified, replace the PCV valve.

4. REMOVE CLEAN HOSE FROM PCV VALVE

5. REINSTALL PCV VALVE



INSPECTION OF PCV HOSES AND CONNECTIONS

VISUALLY INSPECT HOSES, CONNECTIONS AND GASKETS

Check for cracks, leaks or damage.