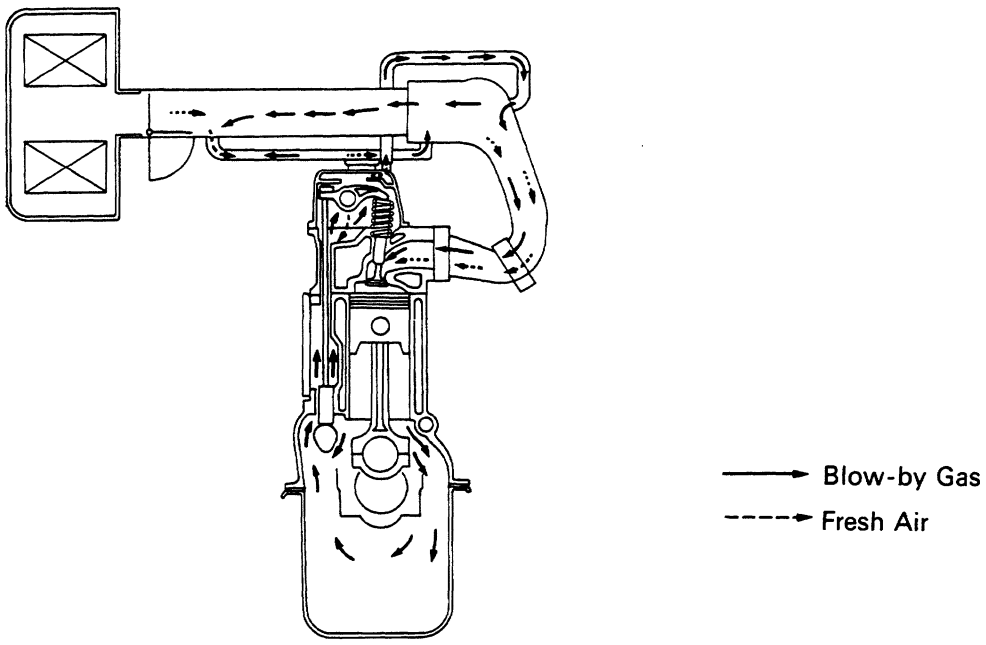
# POSITIVE CRANKCASE VENTILATION (PCV) SYSTEM

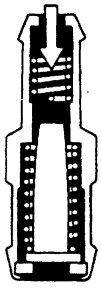



EC3078

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 Backfiring**

Intake Manifold Side

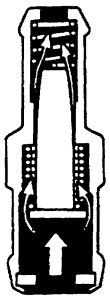


Cylinder Head Side

- PCV VALVE IS CLOSED.

EC1007

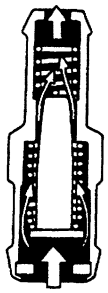
**Normal Operation**



- PCV VALVE IS OPEN.
- VACUUM PASSAGE IS LARGE.

EC1009

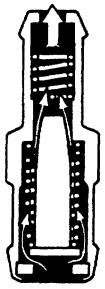
**Idling or Decelerating**



- PCV VALVE IS OPEN.
- VACUUM PASSAGE IS SMALL.

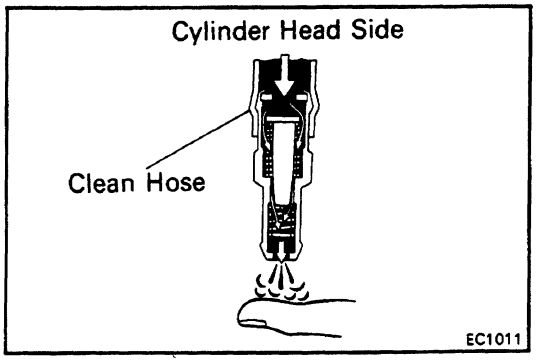
EC1008

**Acceleration or High Load**



- PCV VALVE IS FULLY OPEN.

EC1010




# INSPECTION OF PCV VALVE

**1. REMOVE PCV VALVE**

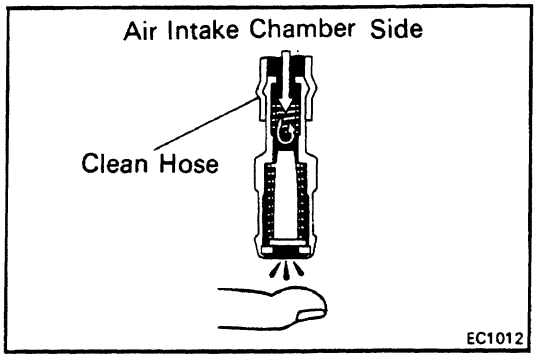
**2. ATTACH CLEAN HOSE TO PCV VALVE**

**3. BLOW FROM CYLINDER HEAD SIDE**

Check that air passes through easily.

**NOTICE: Do not suck air through the valve.**

**Petroleum substances inside the valve are harmful.**

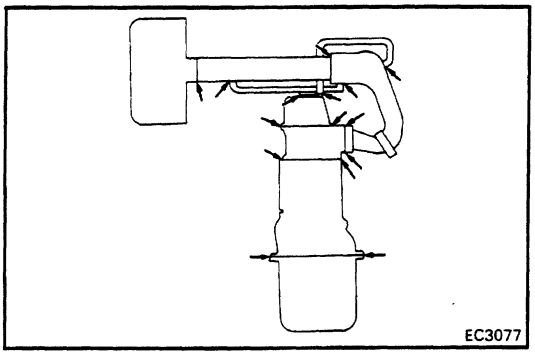



**4. BLOW FROM AIR INTAKE CHAMBER SIDE**

Check that air passes through with difficulty.

If the PCV valve fails either of the checks, replace it.

**5. REINSTALL PCV VALVE**




# INSPECTION OF PCV HOSES AND CONNECTIONS

**VISUALLY INSPECT HOSES, CONNECTIONS AND GASKETS**

Check for cracks, leaks or damage.