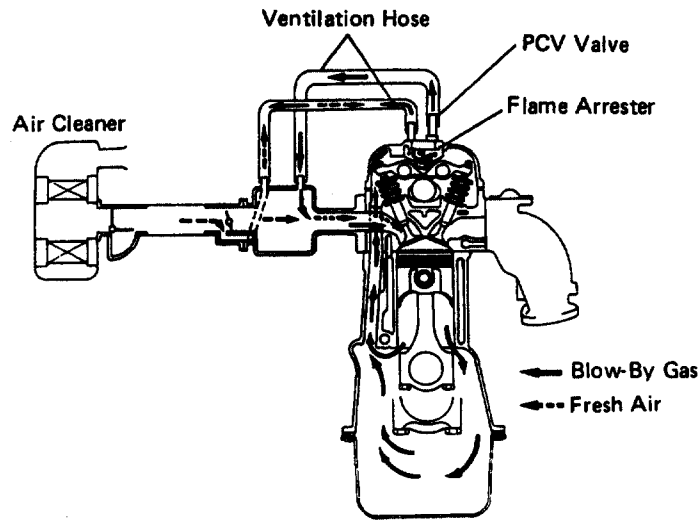


# POSITIVE CRANKCASE VENTILATION (PCV) SYSTEM

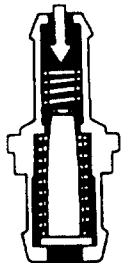


EC2572

To reduce HC emission, 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

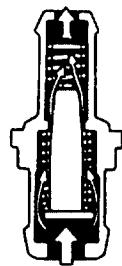


○ PCV VALVE IS CLOSED.

Cylinder Head Side

EC1001

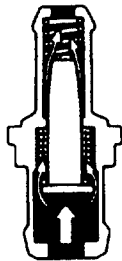
### Normal Operation



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

EC1002

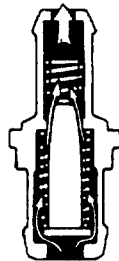
### Idling or Decelerating



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

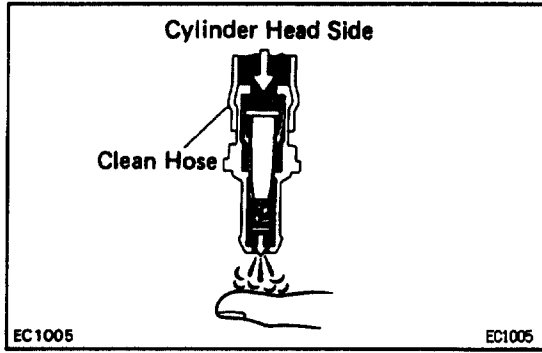
EC1003

### Acceleration or Heavy Load



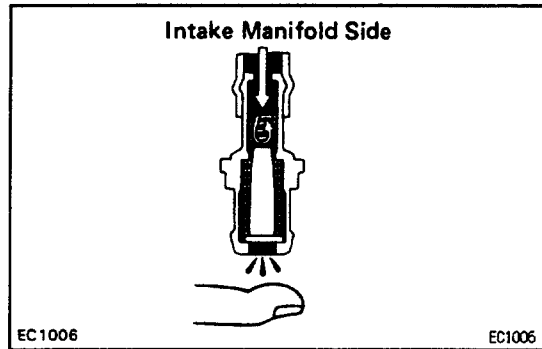
○ PCV VALVE IS FULLY OPEN.

EC1004

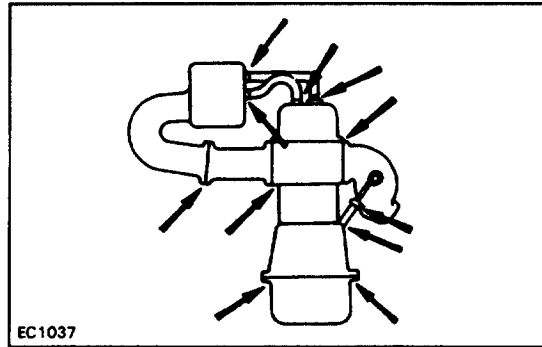


## PCV VALVE INSPECTION

1. REMOVE PCV VALVE
2. ATTACH CLEAN HOSE TO PCV VALVE
3. BLOW AIR 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 AIR FROM INTAKE MANIFOLD SIDE  
Check that air passes through with difficulty. If the PCV valve fails either check, replace it.
5. REINSTALL PCV VALVE



## PCV HOSES AND CONNECTIONS INSPECTION

**VISUALLY INSPECT HOSES, CONNECTIONS AND GASKETS**

Check for cracks, leaks or damage.