

# Crankcase Ventilation

## CHEVROLET LUV CLOSED

### LUV Pickup

#### DESCRIPTION

System is designed to force blow-by gases back into intake manifold and into the combustion chambers. System is closed type and consists of a baffle plate in cam carrier side cover, a regulating (PCV) valve, and connecting hoses, and a hose connecting fresh air from the air cleaner into the system.

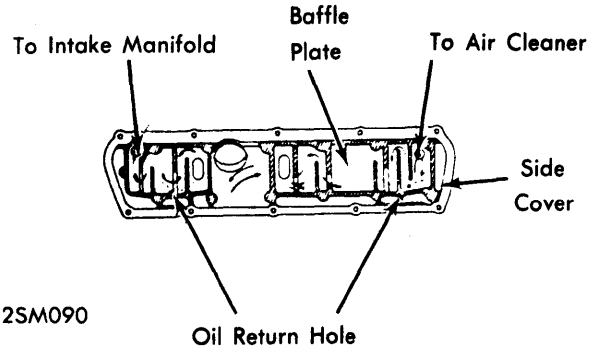
#### OPERATION

Under normal conditions, blow-by gases are mixed with air from the air cleaner. Oil particles are separated by the baffle plate and gases are then drawn, through the regulating valve, into the intake manifold. When engine is running with throttle wide open, the vacuum of the intake manifold is not high enough to cover all of the gases and part of them are drawn into the air cleaner.

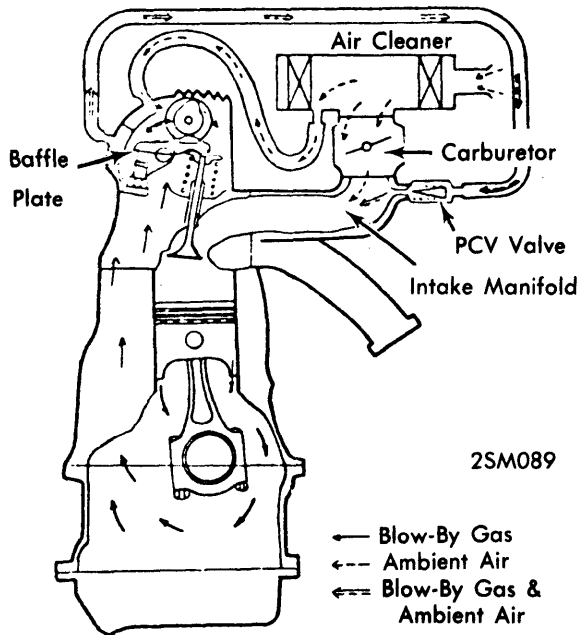
#### SERVICE PROCEDURES

**Baffle Plate** — Disconnect hose from side cover on camshaft carrier and remove bolts, nuts, washers and lockwashers which retain side cover. Remove side cover by tapping it

lightly with plastic hammer or mallet. Wash internal part of baffle plate in detergent oil and blow dry with compressed air. Check baffle plate for damage or distortion. Replace side cover assembly if found defective. Use new gasket if old one has been damaged, and assemble to camshaft carrier.



BAFFLE PLATE AND SIDE COVER

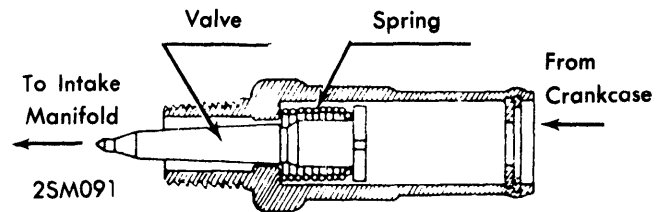


LUV CRANKCASE VENTILATION SYSTEM

**Regulating Valve (PCV)** — Disconnect hose from valve, and check condition of valve. If valve movement is heavy and return is sluggish or if fouling of internal part of valve is evident, valve should be overhauled or replaced. To overhaul, remove valve from intake manifold and remove snap ring, washer, valve and valve spring. Wash all parts in detergent oil and check for damage. Replace valve assembly if any parts are defective. Assemble valve spring with narrow end up into the body, install valve with washer and secure in position with snap ring.

**Hoses** — Inspect all hoses and clean internal parts of hoses in detergent oil. Blow dry with compressed air. Replace any hose that shows signs of cracks, fatigue or swelling.

**Service Intervals** — Inspect and clean all components of the crankcase ventilation system every 12,000 miles.



REGULATING VALVE (PCV)