

1974-79 EXHAUST EMISSION SYSTEMS

General Motors & Opel Crankcase Ventilation

3-201

All Models

DESCRIPTION

1974-75 Models - Closed crankcase ventilation system consists of large hose connected from rocker arm cover to elbow joining airflow meter to intake manifold. A sealed oil filler cap is used.

1976-79 Models - System is designed to force blow-by gases back into intake manifold and into the combustion chambers. System is a closed type and consists of a baffle plate in cam carrier side cover, a regulating orifice, a hose between cam carrier and regulating orifice and a hose connecting fresh air from air cleaner into the engine.

OPERATION

1974-75 Models - Crankcase vapors are drawn from engine by means of vacuum created through air cleaner and airflow meter. From intake manifold, these gases flow into combustion chambers and are burned.

1976-79 Models - 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 orifice, into the intake manifold. When engine is running with throttle wide open, vacuum of the intake manifold is not high enough to recover all of the gases and part of the gases are drawn into the air cleaner.

MAINTENANCE

Every 12 months or 15,000 miles, clean internal part of hoses and regulating orifice in detergent oil and blow away foreign matter with compressed air. Check all hoses for cracks, fatigue and swelling; replace if defective.

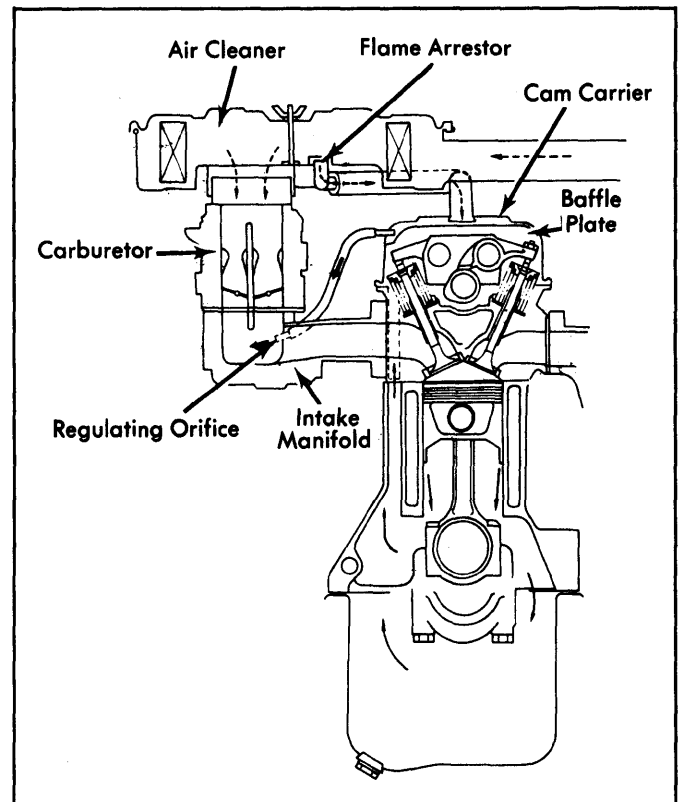


Fig. 1: Crankcase Ventilation System (Typical)