

1974-79 EXHAUST EMISSION SYSTEMS

Datsun Crankcase Ventilation

All Models

DESCRIPTION

The closed crankcase ventilation system returns blow-by gases to both the intake manifold and carburetor air cleaner. A variable orifice valve (PCV valve on 1975-79 models) is provided to conduct crankcase blow-by gases to the intake manifold.

OPERATION

During part throttle engine operation, intake vacuum pulls the blow-by gases through the PCV valve. The capacity of the valve is sufficient to handle the blow-by plus some of the ventilating air. Ventilating air is drawn from the carburetor air cleaner (throttle chamber on fuel

injected models), then through the tube connection and into the crankcase. Under full throttle operation, the manifold vacuum is not sufficient to draw the blow-by through the valve. These gases then go through the tube to the air cleaner in a reverse direction. Engines with excessive blow-by will pass crankcase vapors through the tube to the carburetor during all conditions.

MAINTENANCE

The positive crankcase ventilation system should be serviced every 12,000 miles (25,000 miles on 1977-79 models). Check hoses and hose connections for leaks. Disconnect all hoses and blow them out with compressed air. If any hose cannot be freed of obstructions, replace hose. Replace PCV valve (if equipped).

