

1980 Crankcase Ventilation

DATSUN

All Models

DESCRIPTION

The closed crankcase ventilation system returns blow-by gases to both the intake manifold and carburetor air cleaner. A PCV valve 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, or through the throttle chamber on 280ZX and 810 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

Once every 2 years or every 30,000 miles, the positive crankcase ventilation system should be serviced. Perform this maintenance more frequently if vehicle is operated in dusty conditions.

1) Check hoses and hose connectors for leaks. Disconnect all hoses and blow them out with compressed air. If any hose cannot be freed of obstructions, replace with a new hose.

2) Replace PCV valve.

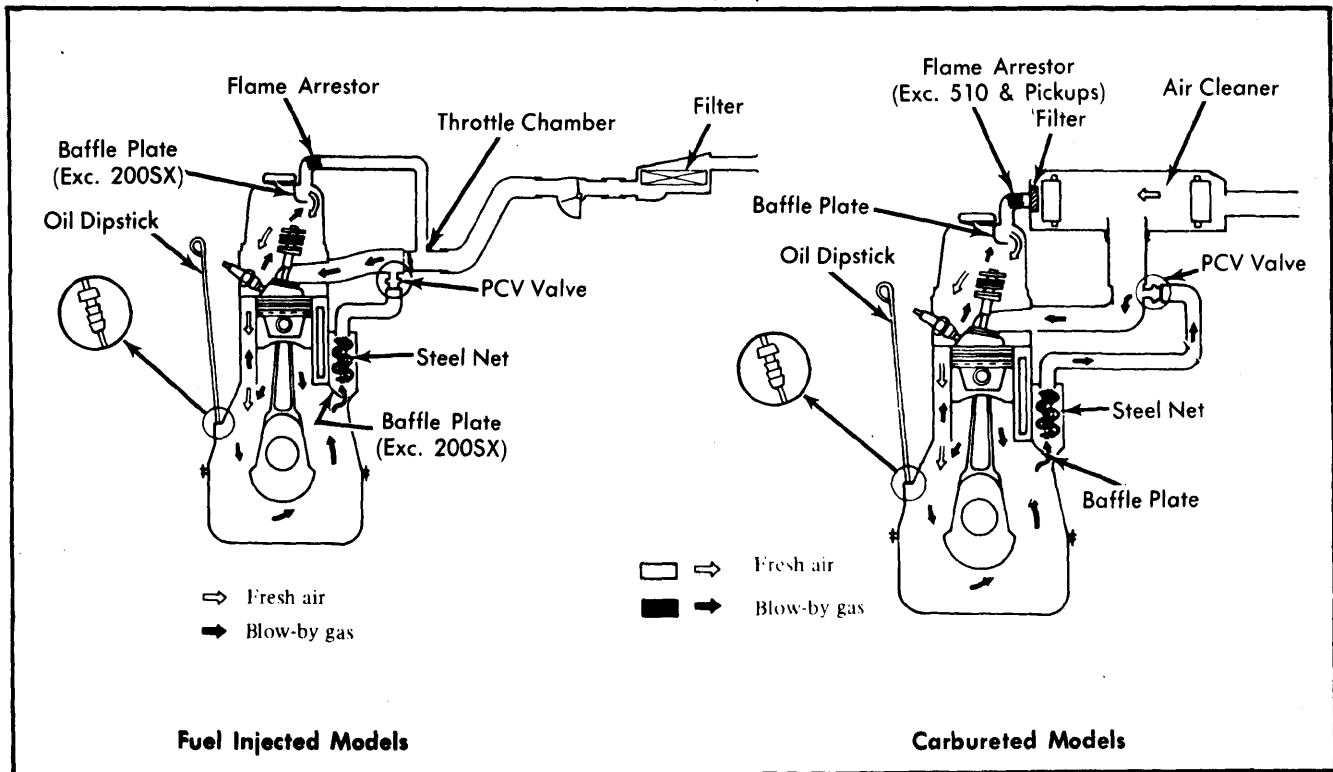


Fig. 1 Datsun Crankcase Ventilation System Illustrated (Differences Between Fuel Injection & Carburetor Models Shown)