

1982 Crankcase Ventilation

DATSUN

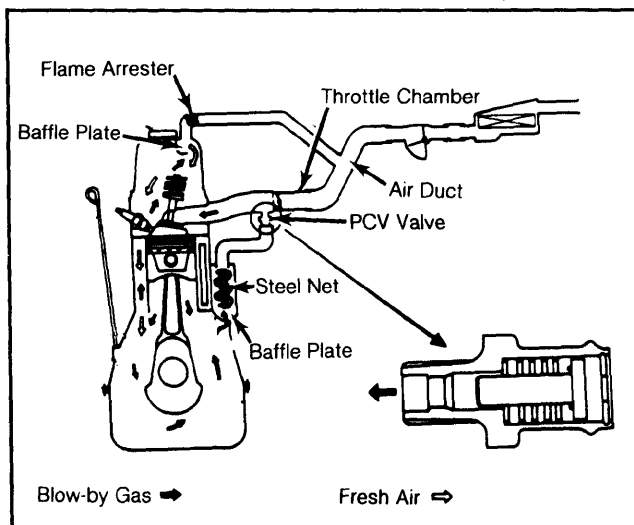
Maxima, Pickup, Sentra, Stanza, 200SX,
210, 280ZX, 310

DESCRIPTION

NOTE: Diesel Pickup models do not use a PCV system.

The crankcase ventilation system is designed to return blow-by gases to engine, through intake manifold and air cleaner. Gasoline models use a PCV valve to control blow-by flow, while diesel models have a crankcase emission control valve to perform the same function.

Fig. 1: Datsun Crankcase Ventilation System (Gasoline Maxima & Non-Turbo 280ZX Models)



Note direction of flow.

OPERATION

GASOLINE MODELS

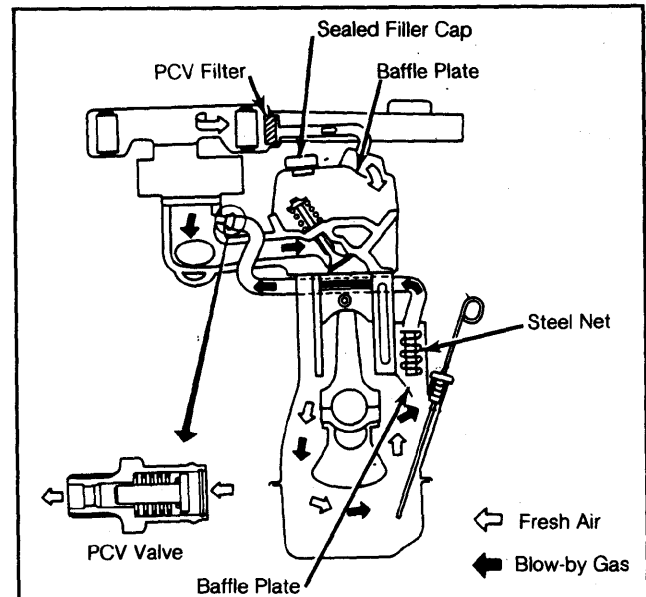
During part throttle engine operation, intake vacuum pulls blow-by gases through PCV valve. Capacity of valve is sufficient to handle blow-by plus some ventilating air. Ventilating air is drawn from carburetor air cleaner, or through throttle chamber on Maxima and 280ZX models, then through tube connection and into crankcase.

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

DIESEL MODELS

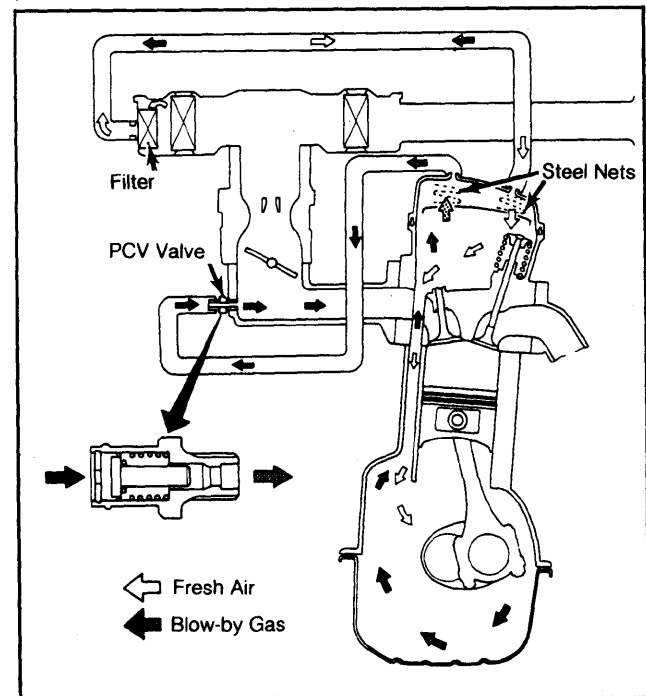
The PCV system uses a control valve that mixes air from air cleaner with crankcase vapors from valve cover. These vapors are directed into intake manifold for burning. The control valve reduces flow rate when throttle is closed so engine will not draw in excess amounts of air.

Fig. 2: Datsun Crankcase Ventilation System (Gasoline Pickup Models)



Note direction of flow.

Fig. 3: Datsun Crankcase Ventilation System (Sentra & 310 Models)



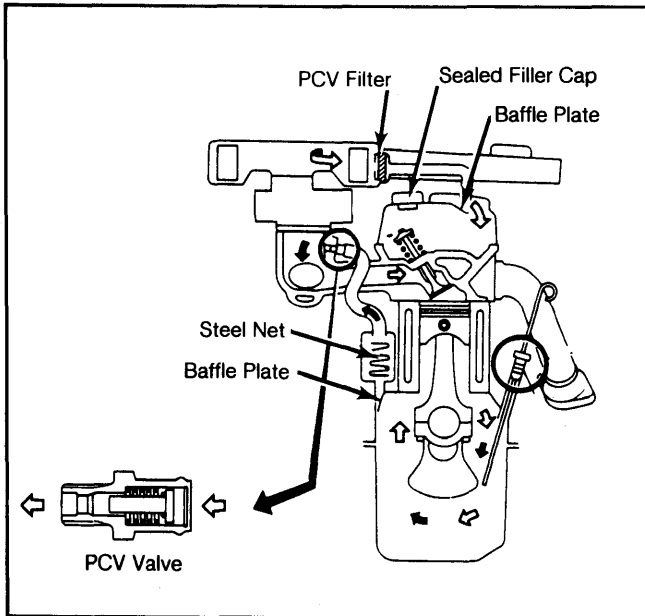
Note direction of flow.

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.

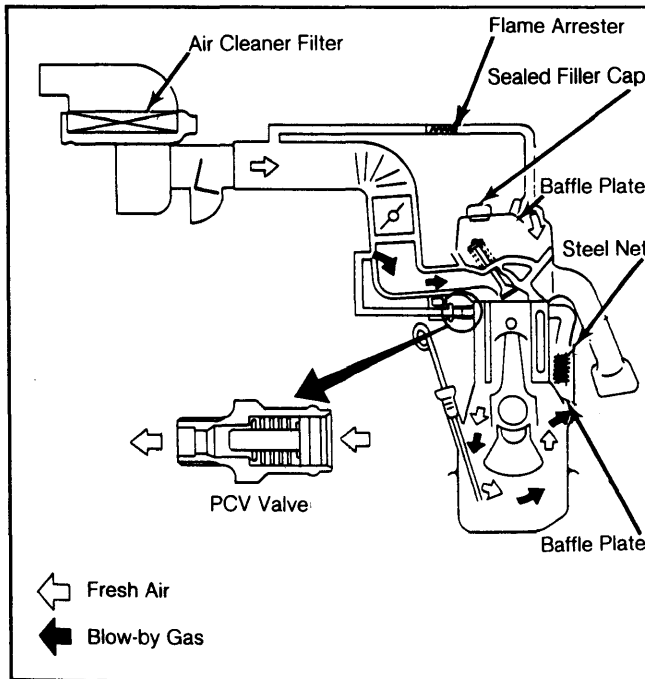
DATSUN (Cont.)

Fig. 4: Datsun Crankcase Ventilation System (Stanza Models)



Note direction of flow.

Fig. 5: Datsun Crankcase Ventilation System (200SX Models)



Note Direction of flow.

Fig. 6: Datsun Crankcase Ventilation System (210 Models)

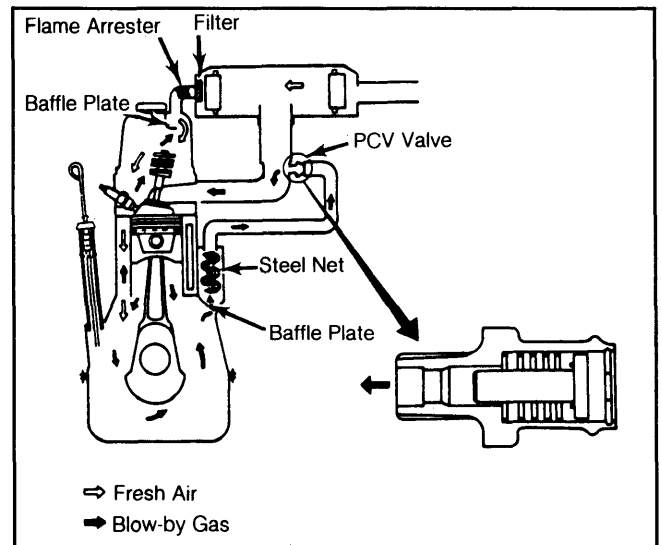


Fig. 7: Datsun Crankcase Ventilation System (280ZX Turbo Models)

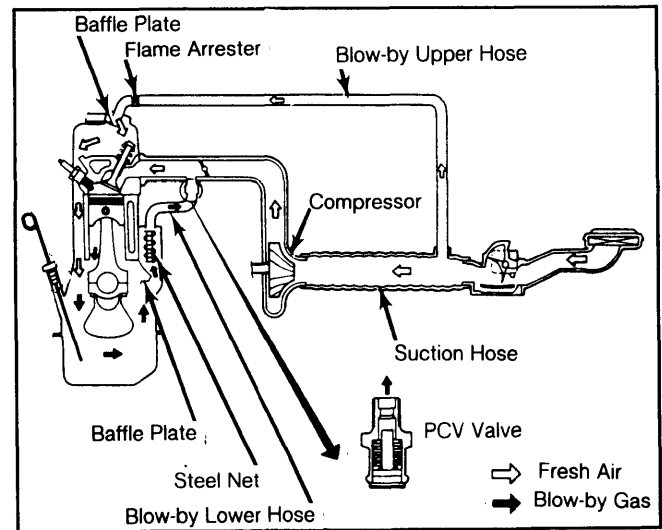


Fig. 8: Datsun Crankcase Ventilation System (Diesel Maxima Models)

