

1980 Crankcase Ventilation

VOLKSWAGEN

All Models

DESCRIPTION

Volkswagen crankcase ventilation system consists of a sealed oil filler cap and a rubber hose connected between cylinder head cover and air cleaner.

OPERATION

Crankcase vapors and blow-by gases from the crankcase flow from cylinder head covers through the rubber hose into the engine air cleaner. From here they are drawn into the engine with the air/fuel mixture and are burned.

MAINTENANCE

Visually inspect rubber hose connected between air cleaner and the cylinder head covers for damage or plugging every 15,000 miles or at least once a year.

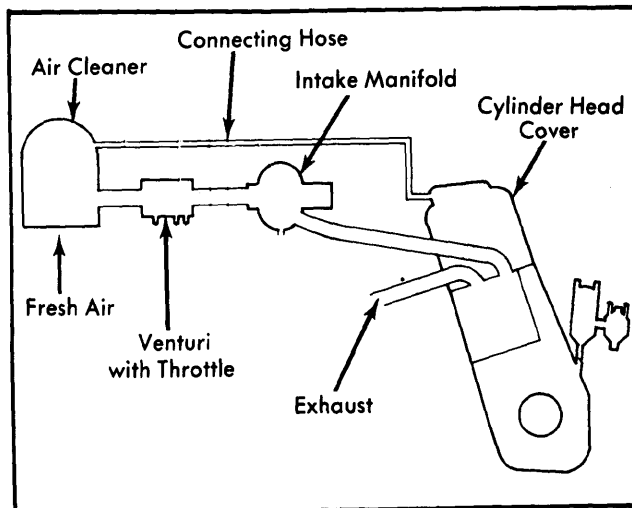


Fig. 1 Volkswagen Crankcase Ventilation System

VOLVO

All Models

DESCRIPTION

The 4 cylinder crankcase ventilation system consists of a flame guard and PCV valve, located in valve cover, vacuum hose to intake manifold and a hose to air cleaner. The 6 cylinder crankcase ventilation system consists of an oil filter cap with one hose to air cleaner and a vacuum hose that divides and goes to right and left bank of intake manifold. There is a PCV valve on each bank of intake manifold (where vacuum hose attaches).

OPERATION

During idling and slow speed operation, crankcase gases are drawn into combustion chamber through oil filter cap and PCV

valves on 6 cylinder or through flame guard and PCV valve on 4 cylinder. During high speed or full throttle operation, crankcase gases are drawn directly through hose to air cleaner.

MAINTENANCE

Complete system, including hoses, should be checked for deterioration, leakage or clogging. Clean flame guard, oil filter cap and PCV valve every 15,000 miles. Replace components as necessary.

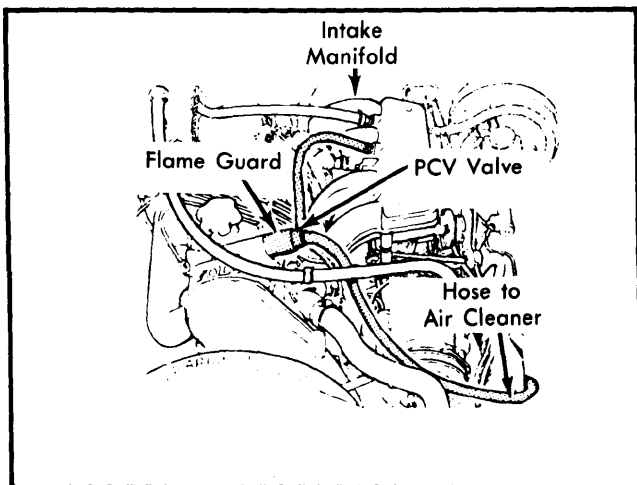


Fig. 1 Crankcase Ventilation System (4 Cylinder Models)

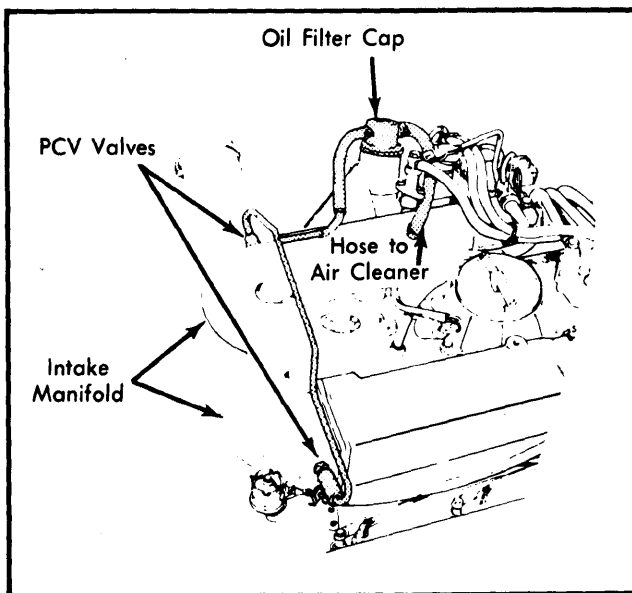


Fig. 2 Crankcase Ventilation System (6 Cylinder Models)