

# 1981 Crankcase Ventilation

## VOLKSWAGEN

Dasher  
Jetta  
Rabbit

Rabbit Pickup  
Scirocco  
Vanagon

### DESCRIPTION

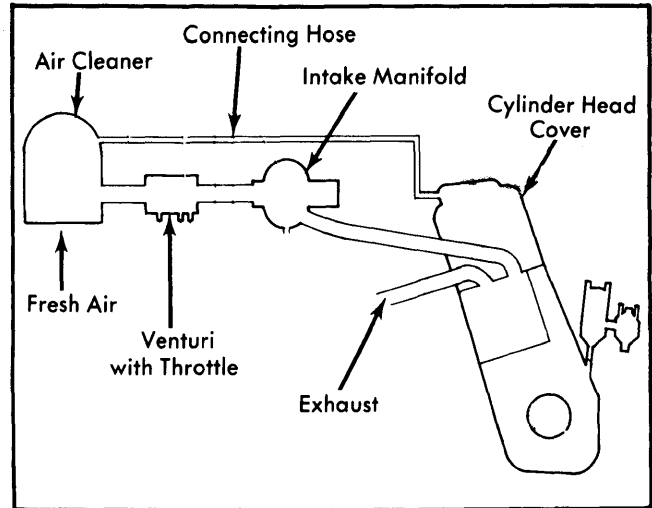
Volkswagen crankcase ventilation system consists of a sealed oil filler cap and a rubber hose connected between cylinder head cover and air cleaner.

### 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 (Except Vanagon)**

## VOLVO

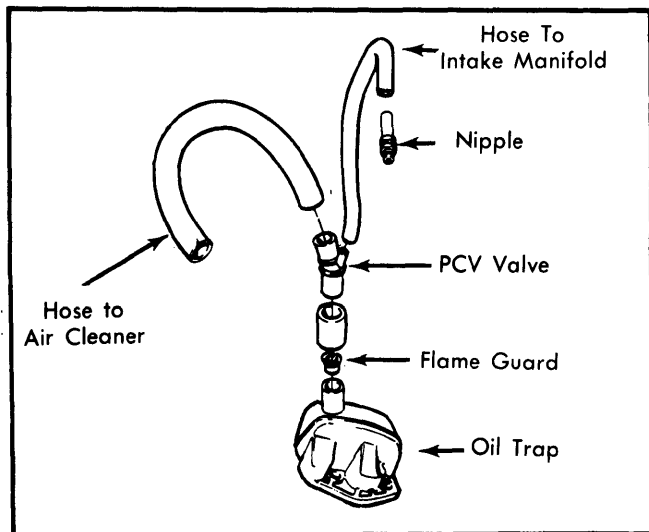
All Models

### DESCRIPTION

The 4 cylinder crankcase ventilation system consists of an oil trap, flame guard, and PCV valve which are located in valve cover, vacuum hose to intake manifold, nipple, and a hose to air cleaner. The 4 cylinder Turbo system consists of an oil trap, PCV valve, and a vacuum hose to turbo-compressor intake. 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

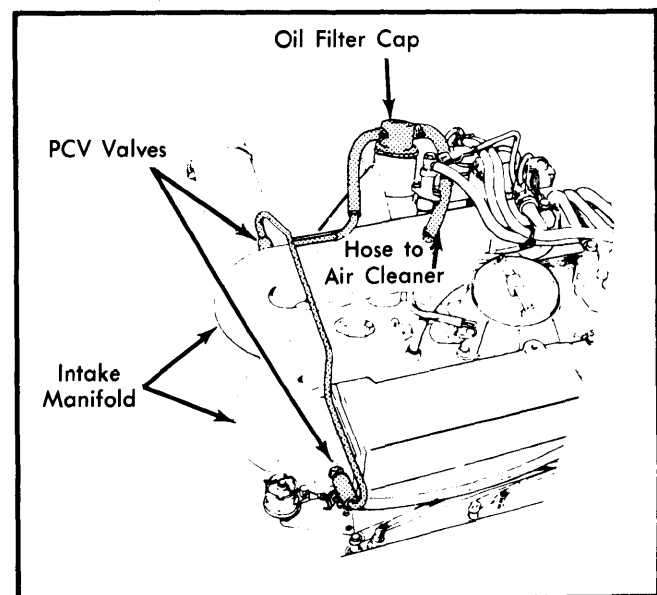


**Fig. 1 Crankcase Ventilation System (4 Cylinder Models, Except Turbo)**

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 through hose to intake manifold and the excess gases are drawn through the hose to air cleaner. On the Turbo, the crankcase gases are drawn through hose to turbo-compressor intake.

### MAINTENANCE

Complete system, including hoses, should be checked for deterioration, leakage, or clogging. Clean flame guard, PCV valve, oil filter cap, and nipple every 60,000 miles. Replace components as necessary.



**Fig. 2 Crankcase Ventilation System (V6 Models)**