1982 Crankcase Ventilation

VOLVO

All Models

DESCRIPTION

The 4 cylinder Non-Turbo 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 the 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 1 hose to air cleaner and a vacuum hose that devides and goes to right and left banks of the intake manifold. There is a PCV valve on each bank of the intake manifold where the vacuum hose attaches.

OPERATION

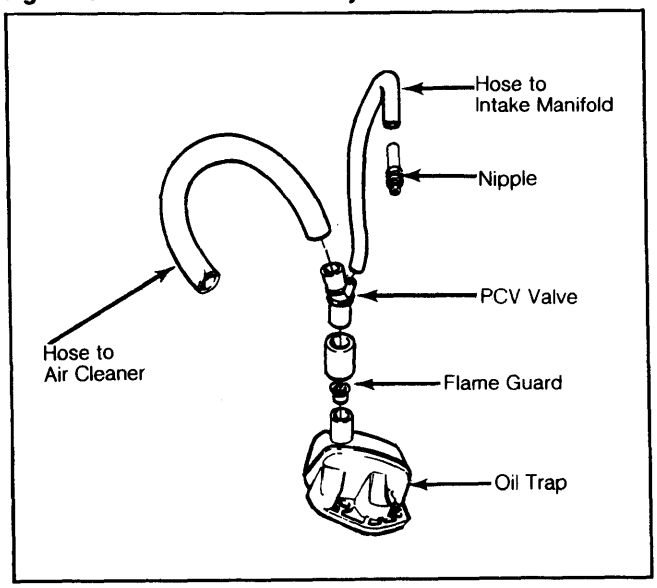
During idling and slow speed operation, crankcase gases are drawn into combustion chamber through a flame guard and PCV valve on 4 cylinder models or through an oil filter cap and PCV valves on 6 cylinder models.

During high speed or full throttle operation, crankcase gases are drawn through hose to intake manifold and excess gases are drawn through hose to air cleaner. On Turbo models, crankcase gases are drawn through hose to turbo-compressor intake.

MAINTENANCE

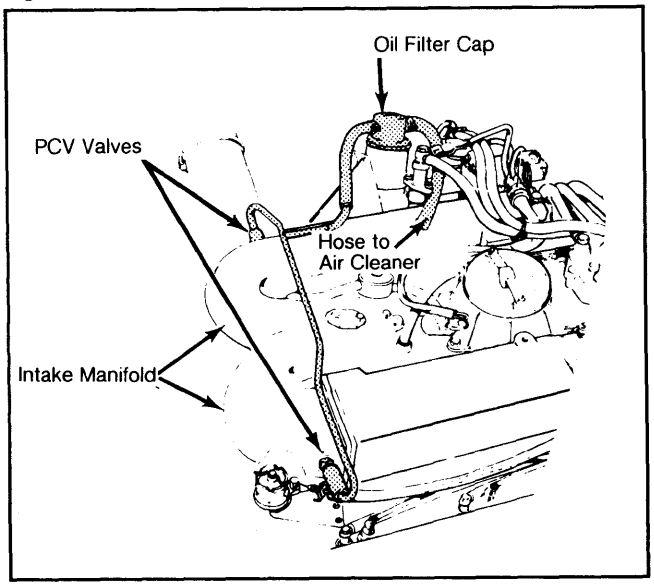
Complete system, including hoses, should be checked for deterioration, leakage, or clogging. Clean flame guard, PCV valve, oil filter cap, and nipple every 60,000 miles. Replace components as necessary.

Fig. 1: Crankcase Ventilation System



4 cylinder models, except Turbo.

Fig. 2: Crankcase Ventilation System



V6 models.