

1974-79 EXHAUST EMISSION SYSTEMS

Alfa Romeo Crankcase Ventilation

3-23

1974-75 2000

DESCRIPTION

The closed crankcase ventilation system consists of an oil separator, an equalizer, and connecting hoses. Crankcase vapors collect in camshaft cover and are drawn into combustion chambers where they are burned.

The oil separator prevents oil from entering system along with crankcase fumes. Oil collected in oil separator returns to oil pan through a hose. Fuel evaporation system fumes are collected in camshaft cover and are purged along with crankcase fumes.

This system has 2 separate circuits, one for high speed operation and another for idle/low speed operation. During high speed operation, crankcase fumes flow through oil separator and then to air cleaner housing. From air cleaner housing, fumes are drawn through intake manifold into combustion chambers to be burned.

During idle/low speed operation, crankcase fumes flow from oil separator to equalizer. Equalizer is provided with calibrated orifices which evenly distribute crankcase vapors among all cylinders. From equalizer, crankcase fumes are drawn through intake manifold into combustion chambers to be burned.

MAINTENANCE

Every 12,500 miles, inspect and clean crankcase ventilation system.

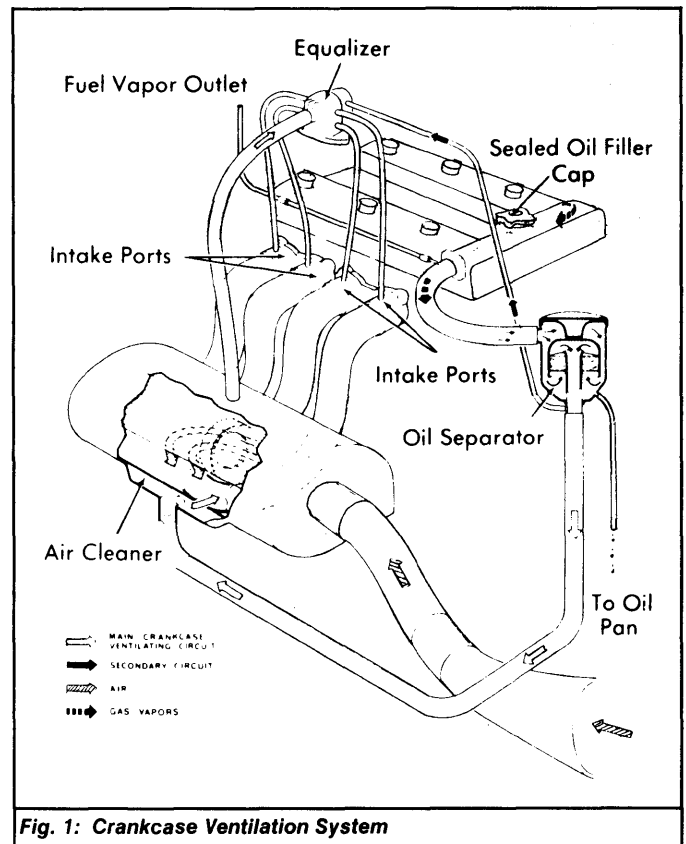


Fig. 1: Crankcase Ventilation System