

# 1980 Crankcase Ventilation

## RENAULT

Le Car (Federal Only)

### DESCRIPTION

A crankcase ventilation system is used to recycle crankcase vapors back into the intake system for reburning. The system consists of an oil separator (which separates the oil from the vapors) and necessary connecting hoses. Metered orifices are also used in the hoses to control the amount of crankcase vapors being recycled into the intake system.

### OPERATION

The oil-carrying fumes from the rocker cover are drawn into the oil separator. The oil is divided from the vapors and returned to the crankcase. From the oil separator, the vapors are drawn into the intake system for reburning. The .059" (1.5 mm) restricted orifice is located between the rocker arm cover and the intake manifold. It controls the amount of crankcase vapor reaching the intake manifold at any one time.

When engine speeds and loads are low, vacuum draws crankcase vapors through the hose to the intake manifold. At higher loads, both hoses are used, and at full throttle, all ventilation is provided through the hose to the air cleaner. The evaporative emissions canister is also purged through the same hoses used for the crankcase ventilation system.

### MAINTENANCE

Approximately every 12,000 miles, the crankcase ventilation system hoses and oil separator should be inspected and cleaned.

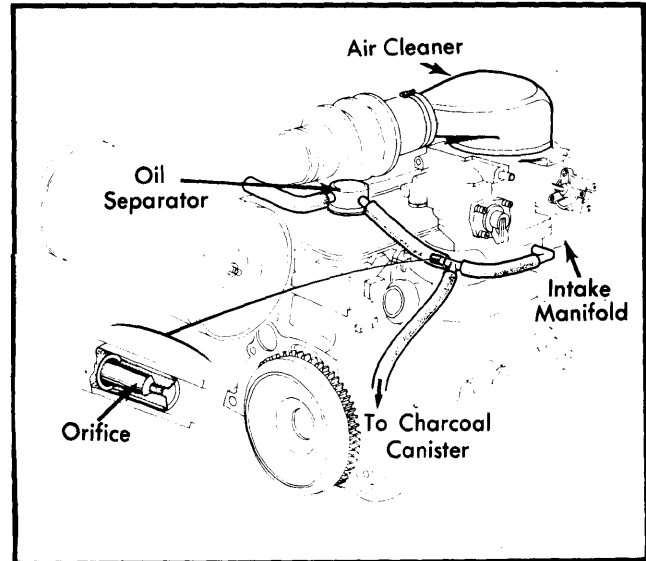


Fig. 1 Renault Le Car Crankcase Ventilation

## SAAB

All Models

### DESCRIPTION & OPERATION

The crankcase ventilation system is completely sealed from the atmosphere. It includes a 3-way nipple on the valve cover, a large hose from the nipple to the throttle housing, and a small hose to the intake manifold. The sizes of the hoses ensure good crankcase ventilation under all conditions. Vapors circulate through the smaller hose under all conditions except full throttle, when the larger hose has a higher vacuum level and evacuates the vapors.

### MAINTENANCE

All hoses and connections should be inspected every 60,000 miles. Replace components as necessary to maintain proper operation.

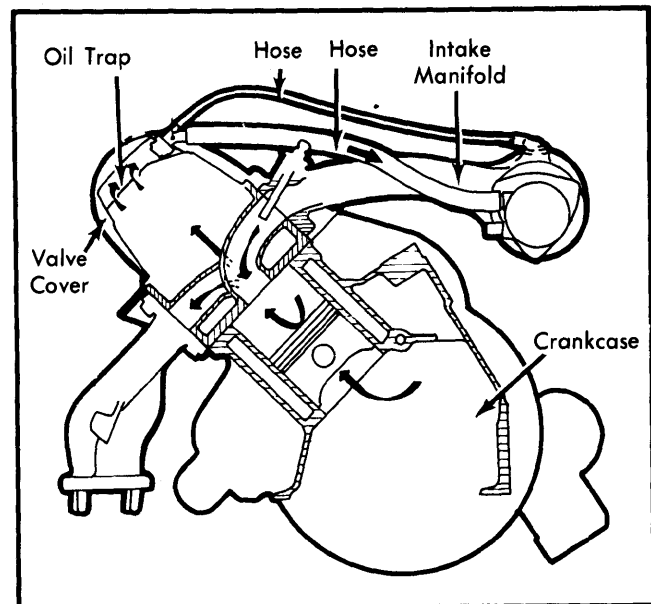


Fig. 1 Saab Crankcase Ventilation System