

# 1974-79 EXHAUST EMISSION SYSTEMS

## Renault Crankcase Ventilation

3-377

### All Models

### DESCRIPTION

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

#### R-5 & LE CAR

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.

#### R-12 & R-17 (CARBURETED)

System consists of oil separator, hoses, and 2 restriction orifices. The first orifice, connected between air cleaner and oil separator is .216" (5.5 mm) in diameter. The second orifice, located between air separator and intake manifold is .067" (1.7 mm) in diameter. Oil-carrying fumes from crankcase are recirculated from rocker arm cover to intake manifold by means of dual circuit ventilation system. From intake manifold, fumes are routed to engine combustion chambers where they are burned.

#### R-17 & GORDINI (FUEL INJECTED)

Oil fumes from the crankcase are drawn from the rocker arm cover through an oil separator. Oil from the fumes is taken back into the

crankcase, while the vapors are drawn into the intake system. Two restricted orifices, one near the throttle housing and one near the air cleaner, control the flow of crankcase vapors. The orifices are .158" (4 mm) and .138" (3.5 mm) in diameter (respectively).

### MAINTENANCE

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

