

1980 Crankcase Ventilation

FIESTA

All Models

DESCRIPTION

The crankcase ventilation system on Fiesta models is controlled by a combination oil filler cap and crankcase control orifice and valves. These are all combined into the filler cap assembly. Fig. 1.

OPERATION

Fresh air is drawn in from the air cleaner through the top connector on the filler cap. It then flows through valve "D" and into the crankcase (through the bottom connector). After mixing with blow-by gases, it is then drawn up into the rocker cover and into the intake manifold through the center connector.

With no fresh air ventilation, blow-by gases close valve "D" (it is a one-way valve). This reverse pressure opens valve "E", allowing blow-by to the "dirty" side of the air cleaner where gases are taken back into the induction system.

TESTING

- 1) Disconnect crankcase ventilation hose at air cleaner. Start engine and idle. Place a piece of stiff paper (3 x 5 card) over open end of hose. If vacuum does not hold paper, disconnect hoses and remove cap.
- 2) Soak cap in solvent for 5-30 minutes. Do not soak longer than 30 minutes. Shake cap dry, do not use compressed air.

- 3) Reinstall cap and repeat above test. If system does not operate properly, replace cap assembly.

MAINTENANCE

Inspect and clean or replace PCV cap assembly every 30,000 miles or 30 months.

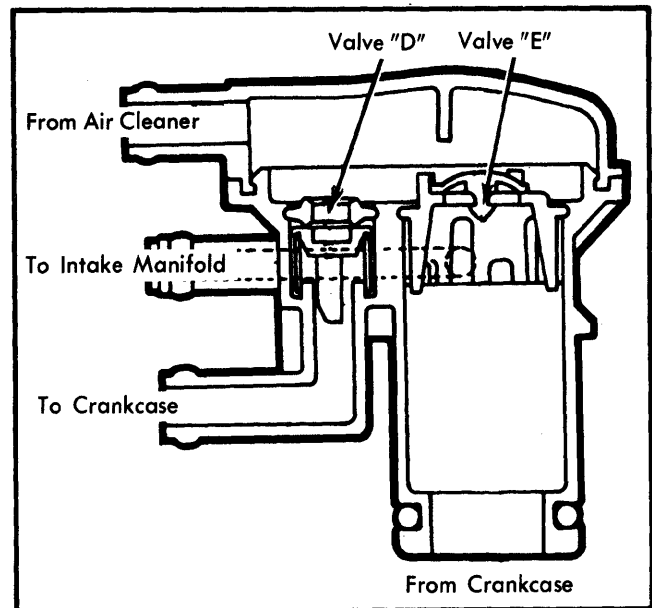


Fig. 1 Cross-Section of Crankcase Ventilation Filler Cap & Valve Assembly (Fiesta)