

1974-79 EXHAUST EMISSION SYSTEMS

BMW Crankcase Ventilation

All Models

DESCRIPTION

1974 Models & 1975-76 2002 – System prevents crankcase fumes and vapors from escaping into the atmosphere. System consists of 2 hoses. One is connected between valve cover and air cleaner. The second hose contains an orifice and is connected between first hose and throttle valve housing. The valve cover incorporates a baffle system.

1975-76 530i & 3.0Si – System prevents crankcase fumes and vapors from escaping into the atmosphere. System consists of one hose connected between rocker arm cover and intake manifold.

1977-79 320i – This is a sealed system and does not allow entry of fresh air into the crankcase. Crankcase vapors and blow-by gases are drawn from the crankcase up to the cylinder head cover and into a hose which runs to the inlet manifold side of the air cleaner. From there, the gases travel through the intake manifold into the engine and are reburned with the fresh incoming air/fuel mixture. Suction created by the running engine has a vacuuming effect on the crankcase and because it is a sealed system, no fumes or gases can escape into the atmosphere.

1977-79 528i, 530i, 630CSi, 633CSi, 733i – The crankcase ventilation system on all other models works in the same manner as the 320i system. The difference is in the method of transferring gases from the valve cover. These models draw fumes, vapors and gases directly from the valve cover into the air flow meter and straight into the intake manifold to be burned with the incoming air/fuel mixture.

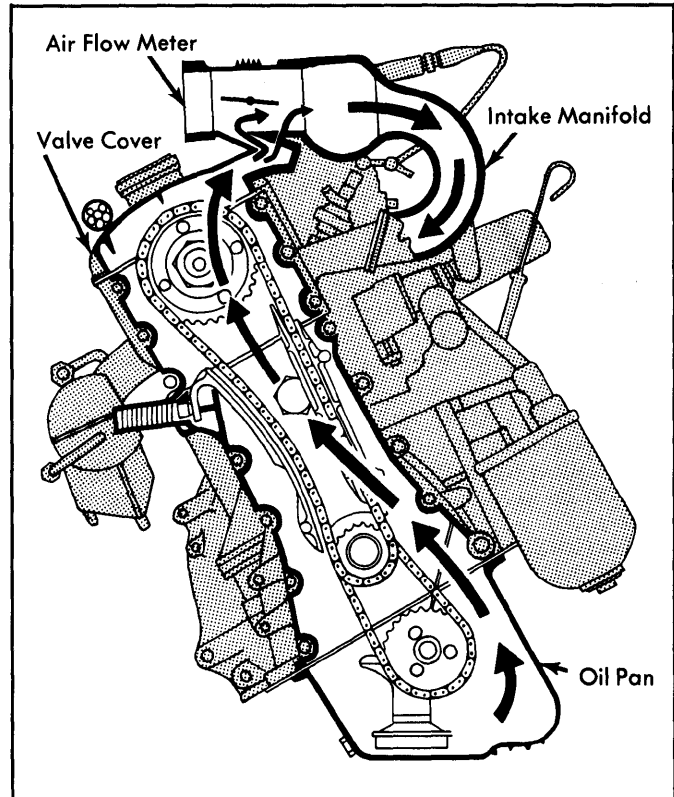


Fig. 2: 1979 528i Crankcase Ventilation System

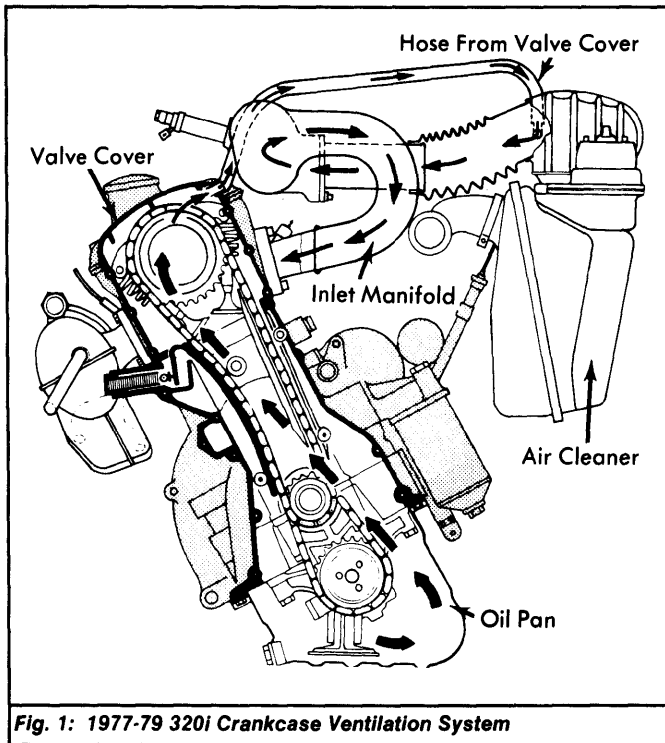


Fig. 1: 1977-79 320i Crankcase Ventilation System