

BMW

All Models

DESCRIPTION & OPERATION

320i Models — 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.

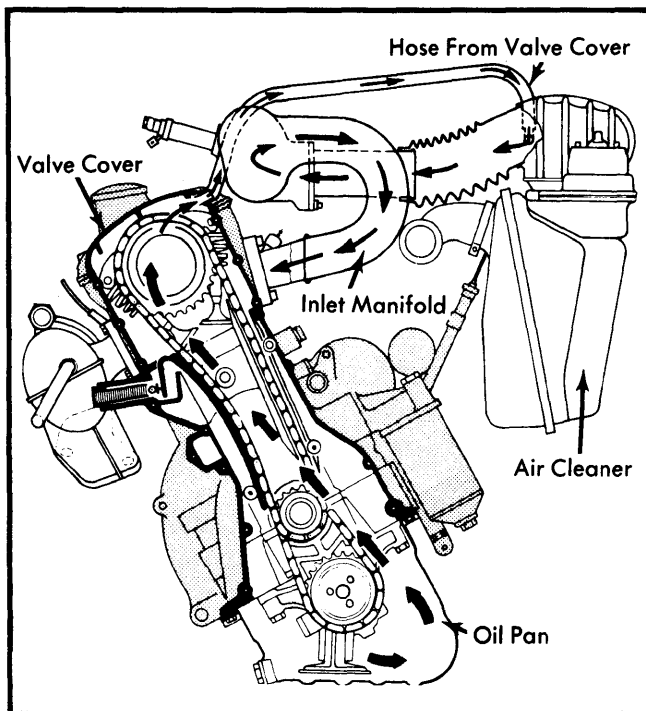


Fig. 1 320i Crankcase Ventilation System

All Other Models — This is also a sealed system and 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.

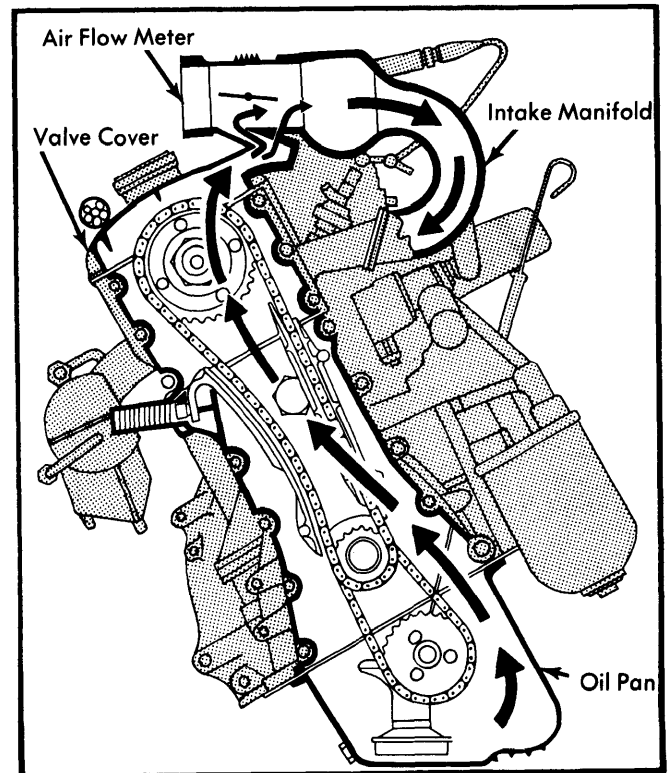


Fig. 2 Crankcase Ventilation for Models Exc. 320i (528i Shown)

MAINTENANCE

The BMW crankcase ventilation system is maintenance free.