

1974-79 EXHAUST EMISSION SYSTEMS

Jaguar Crankcase Ventilation

All Models

DESCRIPTION

Jaguar's closed crankcase ventilation system is designed to prevent crankcase fumes and vapors from entering the atmosphere. An oil breather is fitted to cylinder head camshaft chamber. Located in breather is a wire mesh screen. On 6-cylinder engine, breather hose runs to a purge port. Vent hose from carbon canister is connected to this hose through a fixed orifice valve which continues to crankcase breather. On V12 engine, hoses from crankcase breather are connected to both intake manifolds and a variable orifice valve located in left hand air cleaner backing plate.

OPERATION

When engine is running, crankcase fumes and vapors are vented from camshaft cover through wire mesh screen to a purge port (6-cylinder engine) or a variable orifice valve and intake manifolds depending on amount of vacuum present (V12 engine). Wire mesh screen in crankcase breather acts as a flame arrestor should a backfire occur. On all models, when engine is stopped, crankcase vapors are vented to carbon canister and stored.

MAINTENANCE

Every 12,000 miles or 12 months, check all hoses for condition and tightness. Clean oil filter breather and check all lines for obstructions.

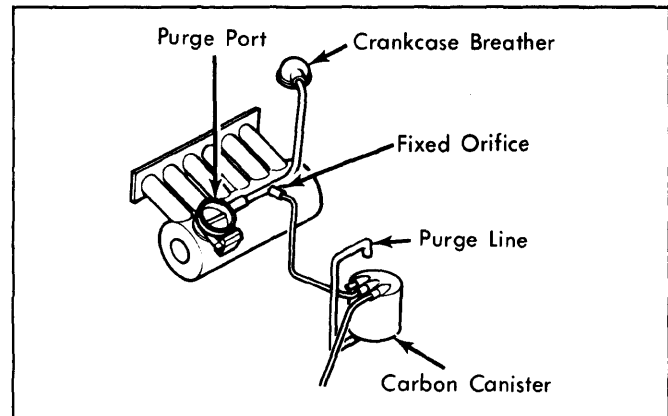


Fig. 1: Crankcase Ventilation System (6-Cylinder)

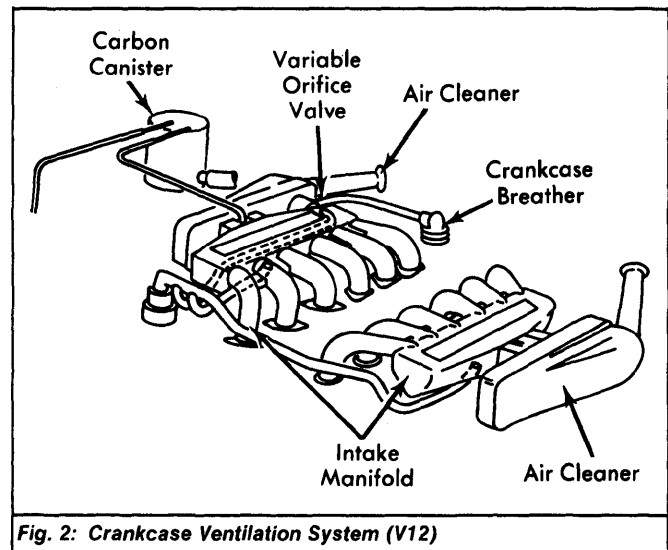


Fig. 2: Crankcase Ventilation System (V12)