

FIAT

All Models

DESCRIPTION

The Fiat closed system is designed to prevent any emission of blow-by gases into the atmosphere. The system consists of a control valve with calibrated orifice, a flame trap, a liquid/vapor separator, and various lines to connect the components.

OPERATION

CARBURETED MODELS

When engine is in the closed throttle position the blow-by gases are drawn into the intake manifold through the calibrated orifice of control valve in the carburetor.

As the throttle is opened, part of the blow-by gases are drawn into the intake manifold through the open duct of the control valve. The rest of the blow-by gases flow directly to the "clean" side of the air cleaner.

FUEL INJECTED MODELS

The crankcase ventilation system on Strada and X1/9 has a large diameter hose from the oil separator to the air filter, and a smaller hose to the intake manifold side of the throttle plate. Crankcase vapors flow through either of the hoses, depending on vacuum at engine loads. Brava and Spider 2000 have just one hose to the air cleaner.

MAINTENANCE

Clean and inspect crankcase ventilation system every 15,000 miles. Flame trap should be washed in solvent to avoid clogging by vapors.

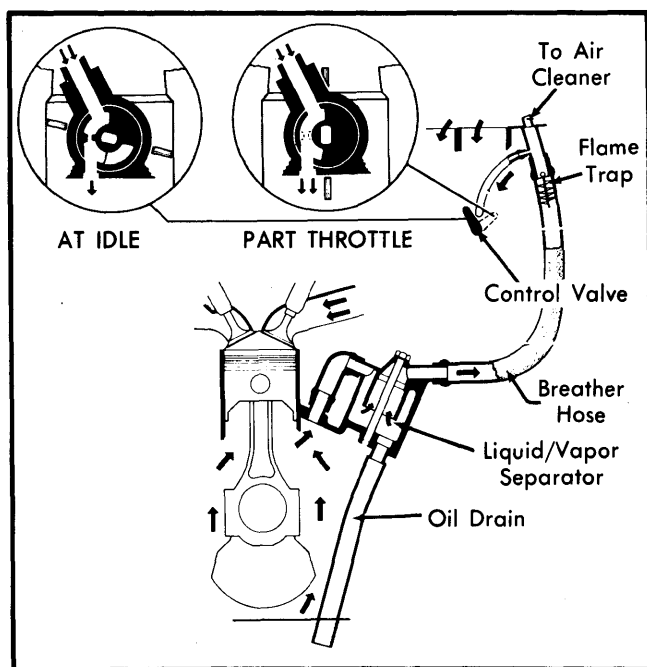


Fig. 1 Brava and Spider 2000 Crankcase Ventilation (Carbureted Models)

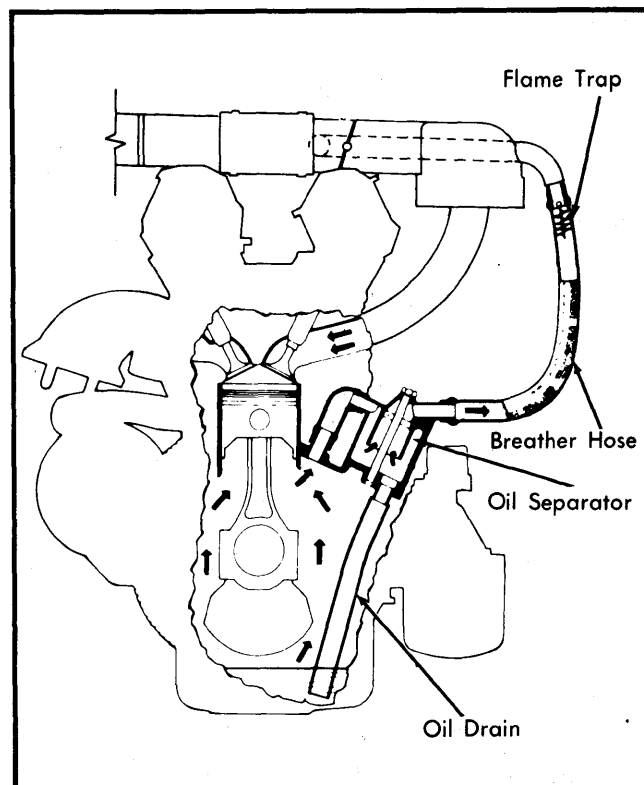


Fig. 2 Brava and Spider 2000 Crankcase Ventilation (Fuel Injected Models)

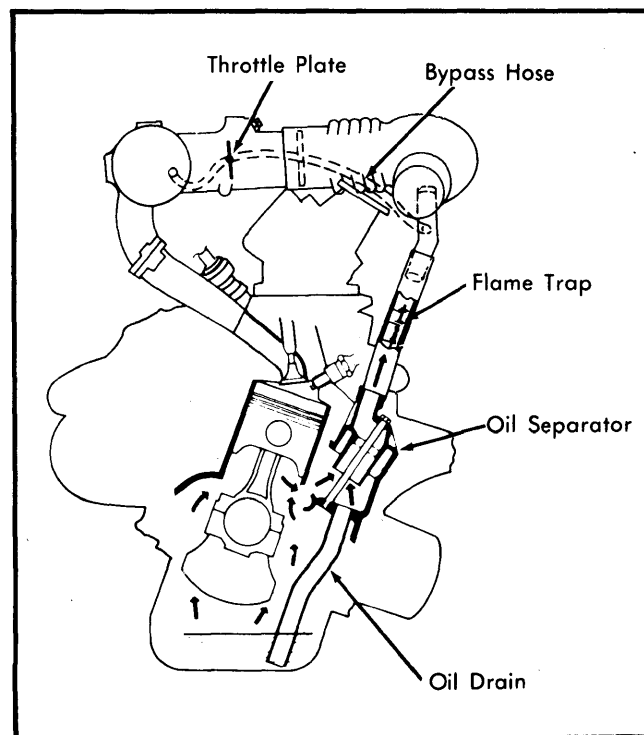


Fig. 3 Strada and X1/9 Crankcase Ventilation (Fuel Injected Models)