

1974-79 EXHAUST EMISSION SYSTEMS

Jensen-Healey OSAC Valve

1974 Interceptor

DESCRIPTION

The Orifice Spark Advance System (OSAC) is used to control oxides of nitrogen (NOx). It controls vacuum to vacuum advance actuator of distributor. A small orifice incorporated in OSAC valve delays change in ported vacuum to distributor by about 17 seconds when going from idle to part throttle. When going from part throttle to idle, change in ported vacuum to distributor will be instantaneous.

Vacuum is obtained by a vacuum tap just above throttle valves of carburetor. This type of tap provides no vacuum at idle, but provides manifold vacuum as soon as throttle valves are opened slightly. Proper operation requires air tight fittings.

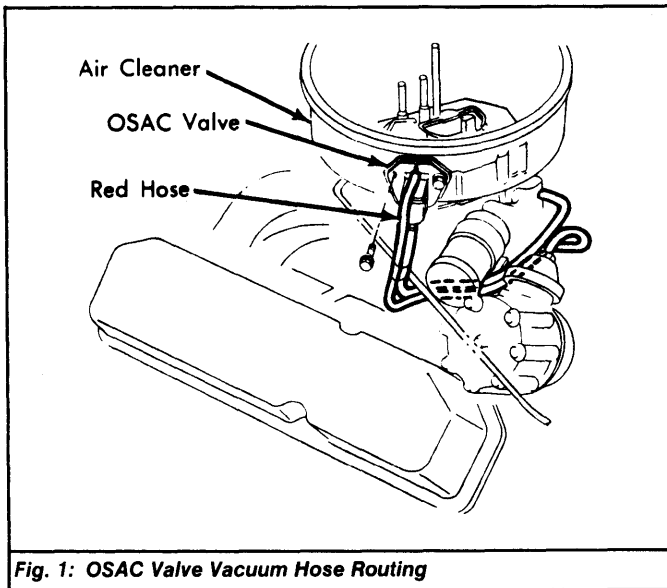


Fig. 1: OSAC Valve Vacuum Hose Routing

TESTING

Inspect all hoses for leaks or damage. With engine running at 2000 RPM in Neutral, disconnect hose at OSAC valve that leads to distributor. Attach vacuum gauge to fitting. Valve is operating properly if a gradual increase in vacuum is observed in about 20 seconds to a stabilized level. If vacuum immediately goes up to same level as manifold vacuum or if no increase in vacuum is observed, OSAC valve is defective and must be replaced.

NOTE: OSAC valve may be by-passed during very hot engine operating temperatures. See **JENSEN-HEALEY THERMAL IGNITION CONTROL VALVE** article in this section.

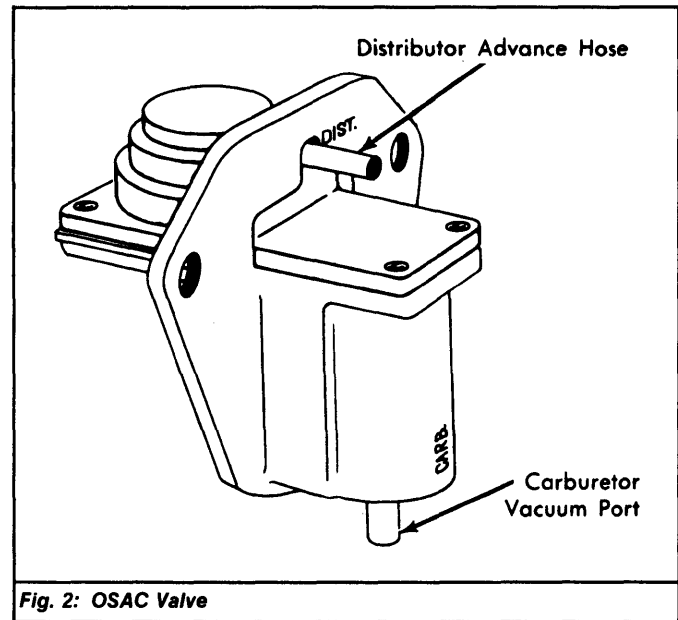


Fig. 2: OSAC Valve