

1974-79 EXHAUST EMISSION SYSTEMS

Jaguar Thermostatic Air Cleaners

XJ6

DESCRIPTION

The thermostatic air cleaner/heated air intake system is designed to maintain the air temperature entering the carburetor at a constant temperature of 105°F (40°C) by blending heated (manifold) air and cool (underhood) air. A temperature sensitive bimetallic valve (temperature sensor) controls a flap valve which regulates the amount of air entering from the hot and cold air inlets. See Fig. 1.

TESTING

FLAP VALVE

Disconnect vacuum line and apply a minimum of 9 in. Hg of vacuum to vacuum motor. Check that flap valve moves to fully closed (hot) position. Remove vacuum from vacuum motor. Ensure that flap moves back to fully open (cool air) position.

TEMPERATURE SENSOR

Disconnect sensor vacuum supply line. Apply a minimum on 9 in. Hg. Check that flap valve moves to closed (hot air) position and holds until vacuum is released. Flap valve should return to fully open (cold air) position.

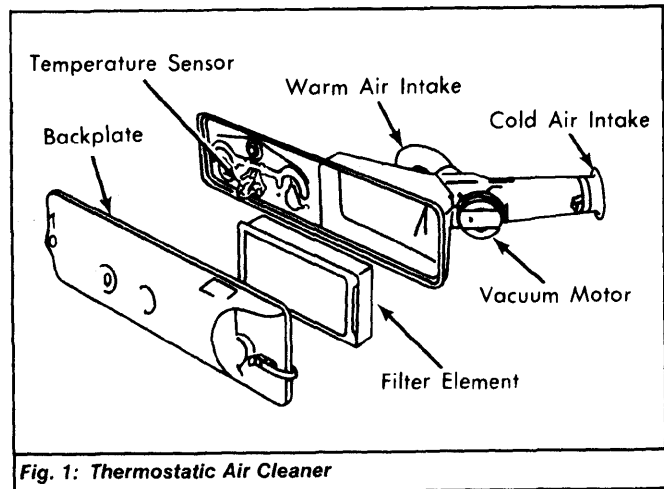


Fig. 1: Thermostatic Air Cleaner