

# 1974-79 EXHAUST EMISSION SYSTEMS

## MG Thermostatic Air Cleaners

3-339

### All Models

### DESCRIPTION & OPERATION

The thermostatic air cleaner/heated air intake system is designed to maintain the air temperature entering the carburetor at a constant temperature. This is done by blending heated (manifold) and ambient (outside) air.

A temperature-sensitive bimetal valve (temperature sensor) controls a flap valve which regulates the amount of air entering from the hot and cold air inlets, thereby maintaining the correct air temperature of 99°F (37°C) under all operating conditions.

### TESTING

- 1) Ensure that engine and air cleaner are cold. Check position of flap valve in air cleaner snorkel. The valve should be against the cold air intake (hot air position).
- 2) Start and run engine until normal operating temperature is reached. Check operation of flap valve. It should move towards the hot air hose (cold air position).

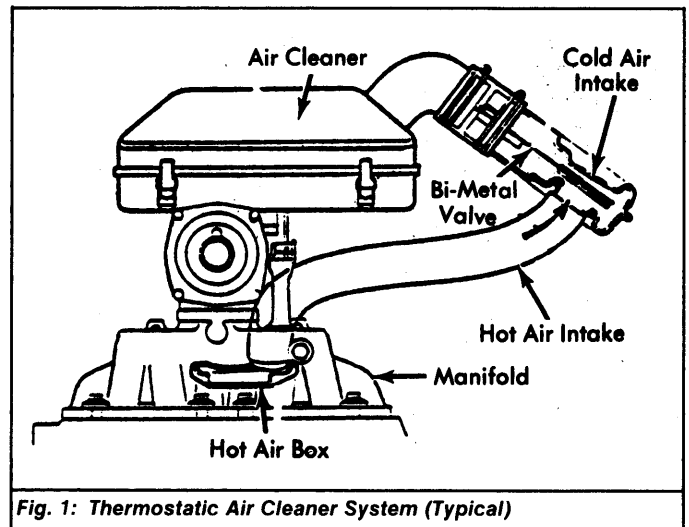


Fig. 1: Thermostatic Air Cleaner System (Typical)