

## FIAT THERMOSTATIC AIR CLEANER

Brava (Federal Only)  
 Spider 2000 (Federal w/Carb. Only)  
 Strada (Federal Only)  
 X1/9 (Federal Only)

### DESCRIPTION

The Thermostatic Air Cleaner system maintains the temperature of the air entering the carburetor at a point where the carburetor can be calibrated much leaner to reduce hydrocarbon (HC) emissions and also improve warm-up operations and reduce carburetor icing. The system consists of an air cleaner assembly with a wax-type temperature sensing unit, heated air hose and a heat shroud (on exhaust manifold).

**NOTE** — Fuel injected models do not use a thermostatic air cleaner.

### OPERATION

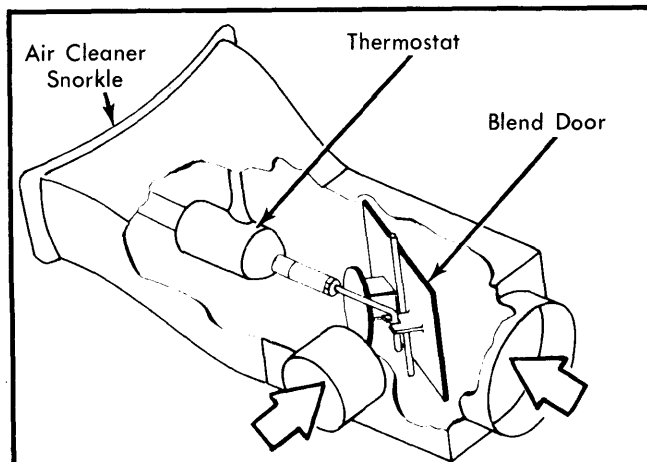
The air cleaner draws cold air directly from the engine compartment and heated air through a hose connected to a shroud on the exhaust manifold. A blend door in the air cleaner snorkle is used to mix the heated and cold air. The door is controlled by a wax-type thermostat. The thermostat is calibrated to maintain a constant air temperature of 73-82°F (23-28°C).

### MAINTENANCE

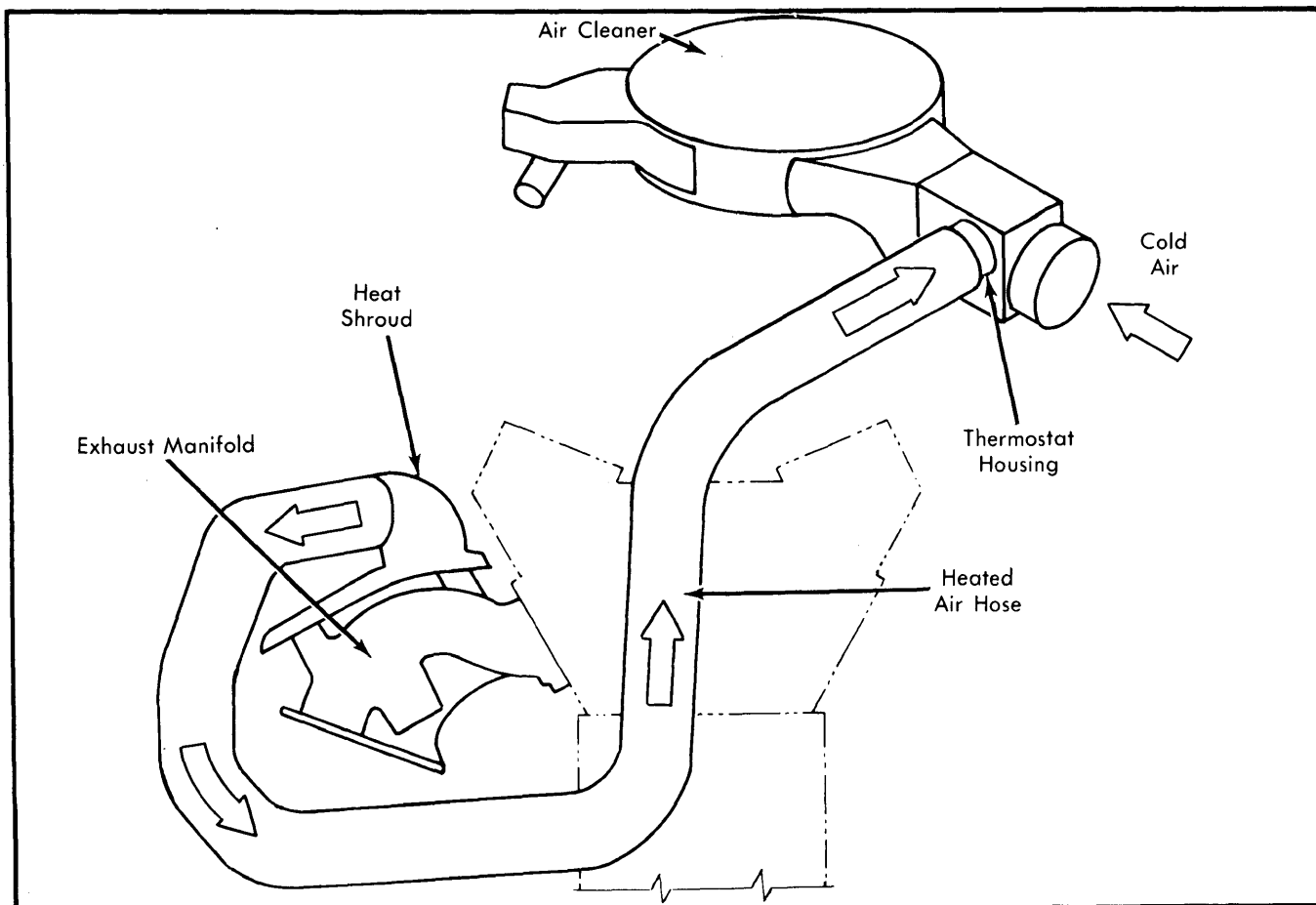
**Every 15,000 Miles** — Clean air cleaner filter element and check operation of blend door and return spring. Replace if necessary.

**Every 30,000 Miles** — Replace air cleaner filter element.

**NOTE** — If vehicle is operated mainly in heavy traffic conditions or dusty areas, change air cleaner filter element every 7500 miles.



**Fig. 1** Cutaway View of Air Cleaner Snorkle Showing Thermostat and Blend Door



**Fig. 2** Fiat Thermostatic Air Cleaner System (Brava and Spider Shown — Other Models Similar)