

# 1974-79 EXHAUST EMISSION SYSTEMS

## Mazda Hot Idle Compensation

### 1979 GLC

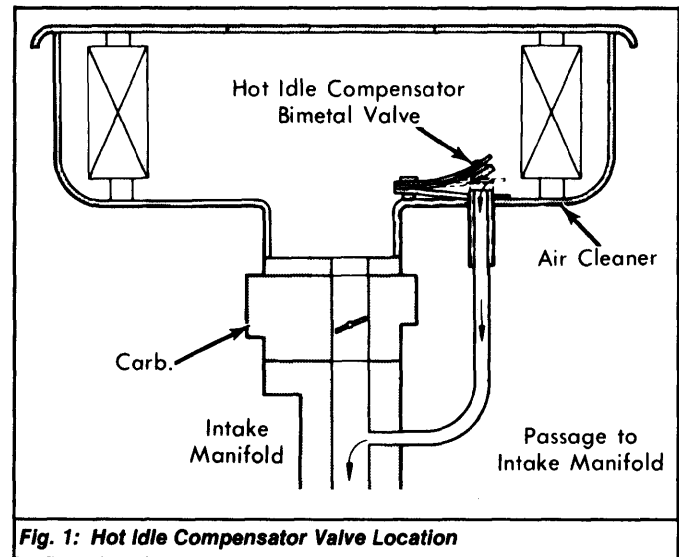
#### DESCRIPTION

This system is used only on GLC models. It supplies additional air to intake manifold under hot idle conditions in order to maintain smooth idle and reduce emissions. A bimetal valve in air cleaner opens passage from air cleaner to intake manifold. When this happens, this fresh air mixes with rich air/fuel mixture (caused by sustained idle) and creates better combustion. Valve opens above 152°F (67°C).

#### TESTING

##### HOT IDLE COMPENSATOR

When vehicle is at rest or air temperature is normal, detach air hose from intake manifold and try to suck air through it. No air should pass. If temperature is above 152°F (67°C) at air cleaner, air should pass. If not, replace compensator.



**Fig. 1: Hot Idle Compensator Valve Location**