

1974-79 EXHAUST EMISSION SYSTEMS 3-107

Datsun High Altitude & Idle Compensator Systems

1977-78 Carbureted Models

DESCRIPTION

HIGH ALTITUDE COMPENSATOR SYSTEM

Used on California models only, the high altitude compensator system adjusts the air/fuel mixture to reduce emissions at both high and low altitudes. The altitude compensator is mounted within the air cleanser housing and is controlled by a manually set lever. Lever must be set on "H" for high altitude driving. This setting opens an additional air passage to the carburetor, allowing engine to run leaner. The "L" setting is used for low altitude driving.

IDLE COMPENSATOR SYSTEM

The idle compensator system reduces emissions by leaning out air/fuel mixture during high idle temperatures. The idle compensator is a thermostatic valve located in air cleaner housing. The valve allows fresh air to flow directly from the air cleaner to the intake manifold under high idle temperatures. Components include bimetallic strip(s), thermostatic valve, and high altitude compensator (California only). Two bimetallic strips are used to cover a wide range of underhood temperatures.