

ISUZU & LUV EARLY FUEL EVAPORATION SYSTEM

Isuzu I-Mark, P'UP, LUV Pickup

DESCRIPTION

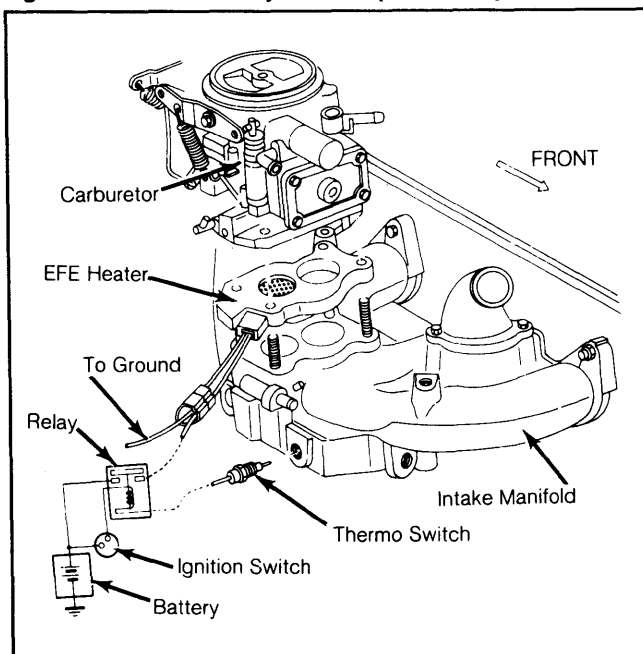
The electric Early Fuel Evaporation system utilizes a ceramic heater grid located under primary bore of carburetor as part of carburetor insulator gasket. The heater warms incoming fuel/air charge for improved vaporization and driveability on cold drive-away.

OPERATION

When ignition switch is turned to the "ON" position, voltage is applied to a thermo switch located in intake manifold. If engine coolant temperature is below a calibrated value, the thermo switch is in an "ON" condition and a circuit is completed to the heater, allowing current to flow.

The heater, incorporating a positive temperature coefficient semiconductor element, increases in temperature and then self-regulates at a calibrated temperature. This is in effect except at high engine speeds when air/fuel flow will reduce the temperature below regulated value. When coolant temperature reaches calibrated value, thermo switch turns off and current to heater is cut off.

Fig. 1: Isuzu & LUV Early Fuel Evaporation System



EFE heater located in carburetor insulator gasket.