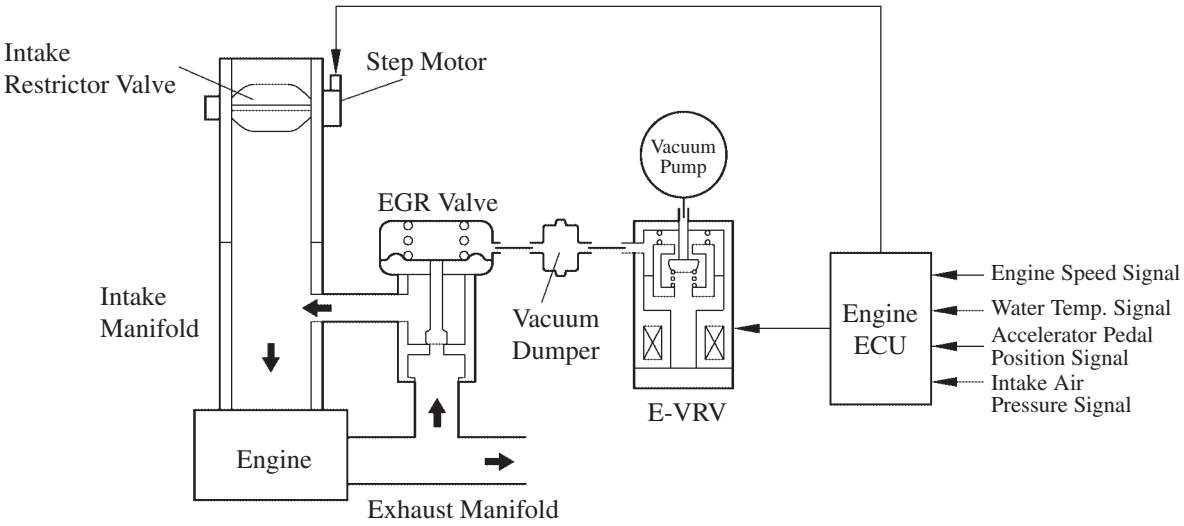
2. EGR System

General

This system is designed to help reduce and control NOx formation due to a slight reduction of peak temperature in the engine combustion chamber, which is accomplished by introducing a small amount of inert gas into intake manifold.

EGR Control

- By sensing the engine driving condition, the engine ECU electrically operates the E-VRV, which controls the magnitude of vacuum introduced into diaphragm of EGR valve and intake restrictor valve opening position with stepping motor and the amount of recirculating exhaust gas is regulated. EGR valve opening lift is controlled by modulated negative pressure.
- The EGR function is stopped under the conditions given below to ensure drivability and to reduce diesel smoke.
  1) The water temperature is below 40°C (104°F).
  2) The vehicle is driven under high load conditions.
  3) During deceleration.



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