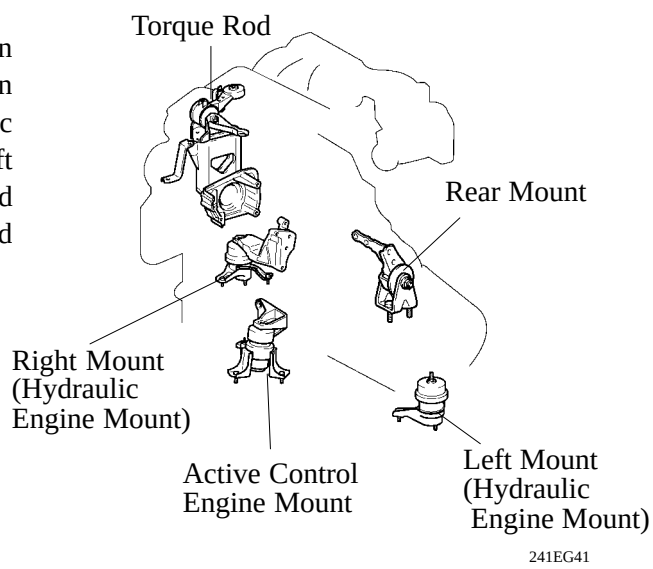
■ENGINE MOUNT

1. General

A 3-point support on the front sub-frame has been adopted. An active control engine mount has been adopted on the front engine mount and a hydraulic engine mount has been adopted on the right and left engine mounts to realize low noise and vibration and to achieve high levels of both riding comfort and drivability.



2. Active Control Engine Mount

The operating range of the active control engine mount is during idling under the engine speeds of 900 rpm ~ 950 rpm.

Signals that are synchronized to the engine speed are sent by the ECM to the VSV and the engine vacuum is utilized to vary the pressure of the intake air chamber in the active control engine mount. As a result, the diaphragm vibrates, and using the liquid as a medium, the rubber mount vibrates.

This vibration of the engine mount acts to cancel out the engine vibration during idle, thus reducing the vibration and noise at idle.

The engine mount's damping force to generate vibrations is adjusted through the effects of the orifice and the side branch.