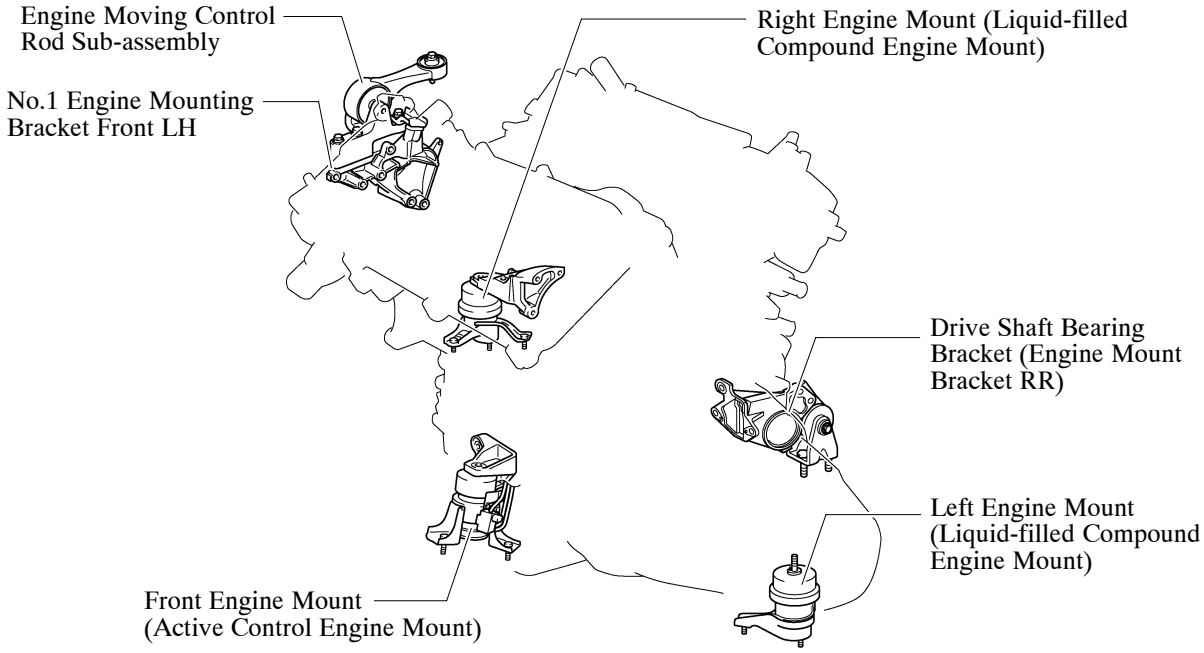
■ ENGINE MOUNT

1. General

An active control engine mount is used for the front engine mount and liquid-filled compound engine mounts are used for 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 idle conditions, when the engine speed is less than 900 rpm.

Signals that are synchronized to the engine speed are sent by the ECM to the VSV that controls the vacuum applied to the mount. This engine vacuum is utilized to vary the pressure of the intake air surge tank 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 ability of the engine mount to generate vibrations for use as a damping force is adjusted using the effects of the orifice and the side branch (vacuum hose branch).

