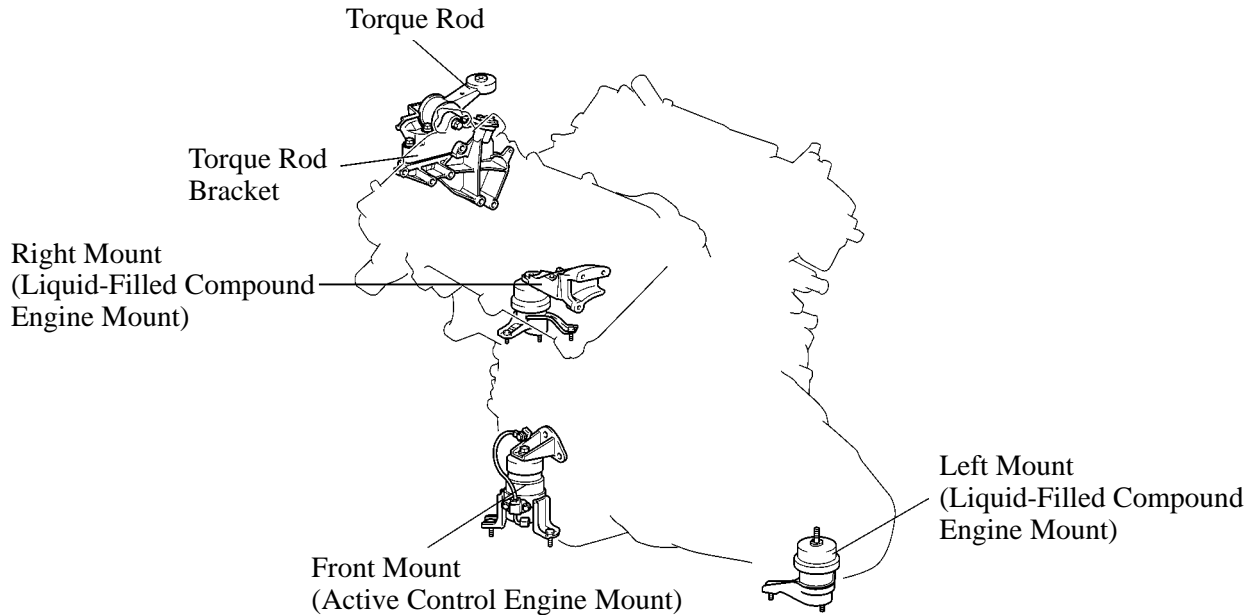


ENGINE MOUNT

1. General

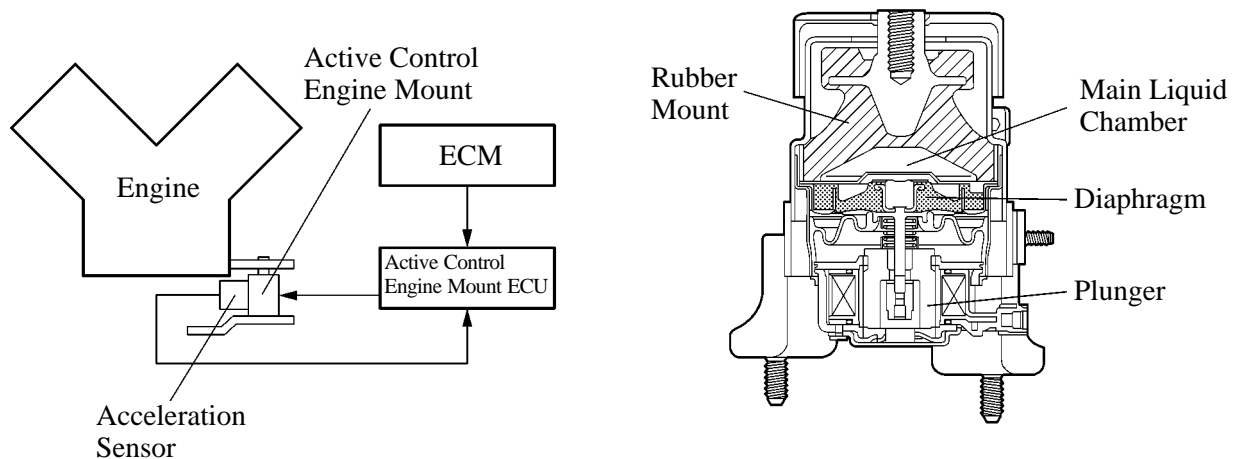
A 3-point support on the front sub-frame is used. An active control engine mount is used as the front engine mount and a liquid-filled compound engine mount is used as the right and left engine mounts to realize minimum noise and vibration and to achieve high levels of both riding comfort and drivability.



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2. Active Control Engine Mount

- The active control engine mount is used to reduce engine vibration and noise during idling. It is controlled by the active control engine mount ECU through signals which vary in accordance with the engine operating conditions, allowing the engine vibration and noise to be minimized effectively.
- Engine idling vibration is canceled out by vibration of the active control engine mount. The engine mount vibration is produced control signals from the active control engine mount ECU which are applied to the actuator's solenoid, these trigger the plunger inside the engine mount to vibrate the diaphragm. The vibration is conducted to the rubber mount through the main liquid chamber.
- The active control engine mount has an acceleration sensor that detects the engine mount vibration. The sensor continuously monitors the engine mount operating condition.



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