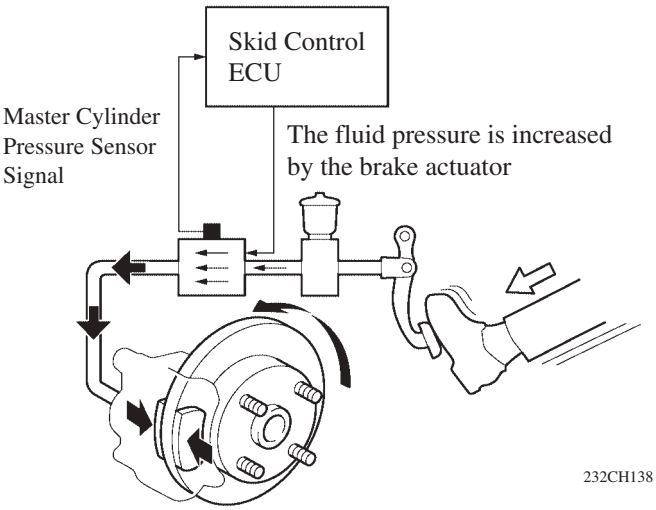
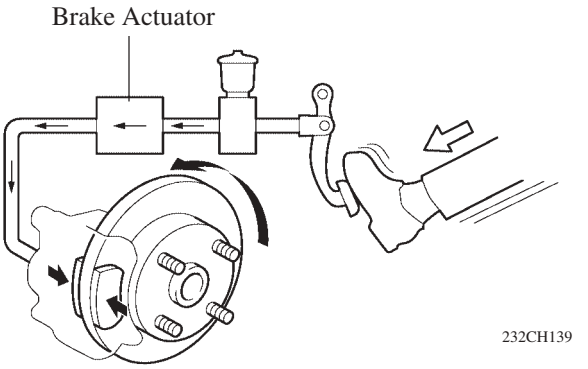
3. Outline of Brake Assist System

- The Brake Assist system in combination with ABS helping improves the vehicle's brake performance.
- The Brake Assist system interprets a quick push of the brake pedal as emergency braking and supplements the braking power applied if the driver has not stepped hard enough on the brake pedal. In emergencies the driver, especially inexperienced ones, often panic and do not apply sufficient pressure on the brake pedal.
- A key feature of the Brake Assist system is that the timing and the degree of braking assistance are designed to ensure that the driver does not discern anything unusual about the braking operation.
  When the driver intentionally eases up on the brake pedal, the system reduces the amount of assistance it provides.
- Based on the signals from the master cylinder pressure sensor, the skid control ECU calculates the speed and the mount of the brake pedal application and then determines the intention of the driver to initiate emergency braking. If the skid control ECU determines that the driver intends the emergency braking, the system activates the brake actuator to increase the brake fluid pressure, which increases the braking force.

▶ In case that the driver's depressing force is small when applying emergency braking ◀



with Brake Assist System



without Brake Assist System*

*: The basic performance of the brake is the same as of the model with the brake assist system.