SUSPENSION

■ 4-WHEEL ACTIVE HEIGHT CONTROL SUSPENSION (AHC) AND ADAPTIVE VARIABLE SUSPENSION SYSTEM (AVS)

1. General

The control characteristics of the damping force control (roll posture control) have been changed to achieve a superior riding comfort and vehicle stability.

2. Damping Force Control

Roll Posture Control

- Vehicle condition detection methods have been focused on to achieve comfortable steering operation, thus evolving roll posture control.
- Compared to the conventional roll posture control based on the steering sensor signal, a yaw rate sensor (deceleration sensor signal) is actively utilized to more finely detect vehicle conditions when turning, thus optimizing and smoothening the damping force switching. As a result, natural and smooth vehicle posture change has been achieved.