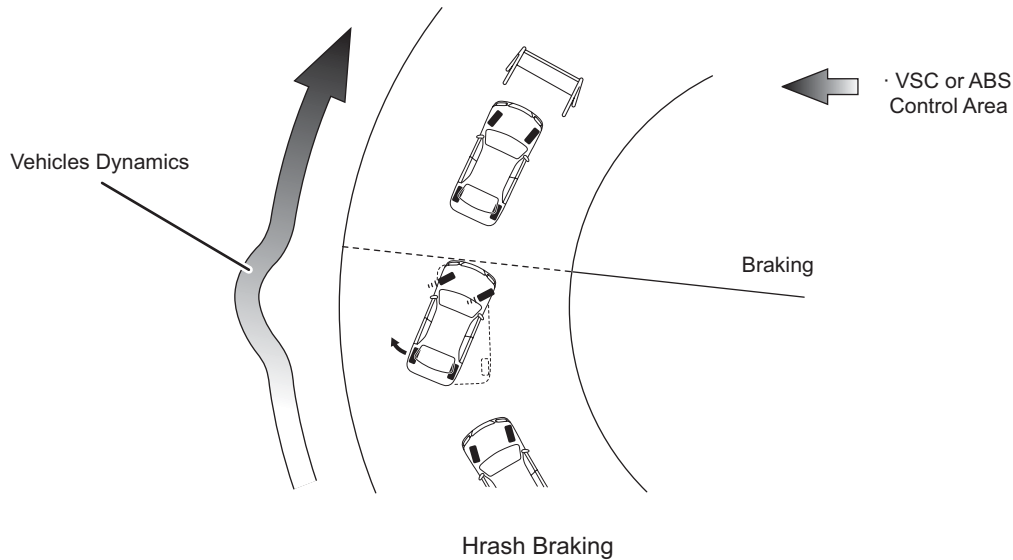


VDIM Operation

- The Difference in vehicle control during harsh braking situations while cornering, with the VDIM and conventional brake control systems, is as follows.

- Conventional

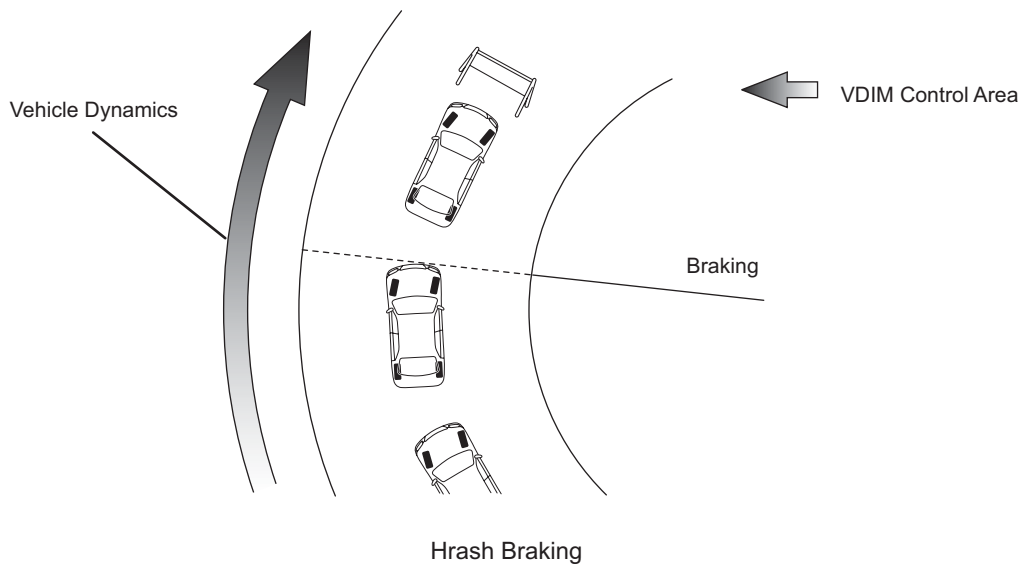
Conventional brake control systems calculate vehicle motion based on signals transmitted by yaw rate and deceleration sensors, the speed sensors and the steering sensors, and activates VSC systems when vehicles are determined to be skidding. If the driver brakes suddenly, brake control systems perform assisting control to stabilize the vehicle dynamics, by activating the ABS system when a locked wheel is detected, or by affecting the VSC system when skidding is detected.



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- VDIM

The VDIM also calculates vehicle motion based on signals from the yaw rate and deceleration sensor, speed sensor and steering sensor. When the calculations indicate that the vehicle is likely to skid, the VDIM begins vehicle control with the VSC function. In addition, if the driver brakes suddenly, the VDIM reduces vehicle instability to a minimum and assists in achieving optimum driving stability by seamlessly delivering a suitable combination of the VSC and ABS functions.



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