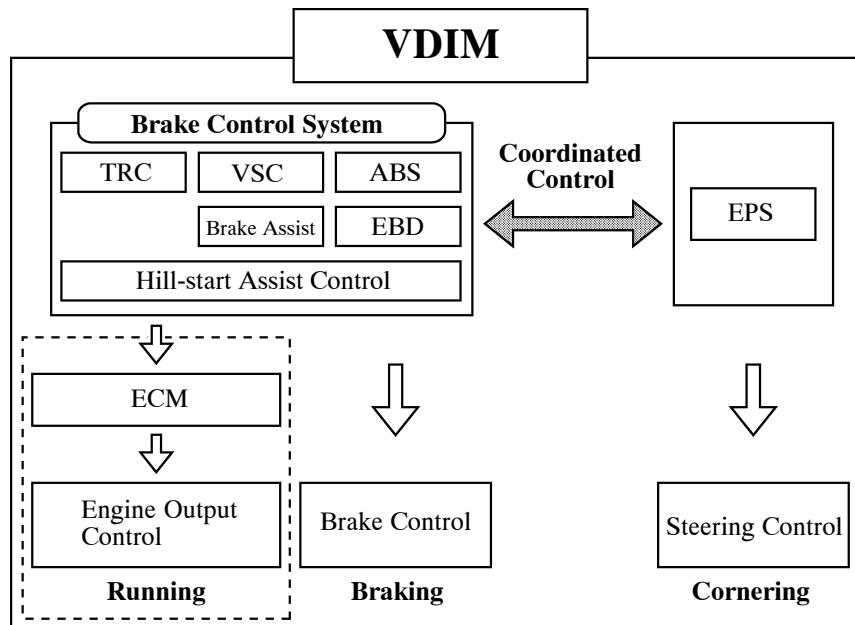


■VDIM

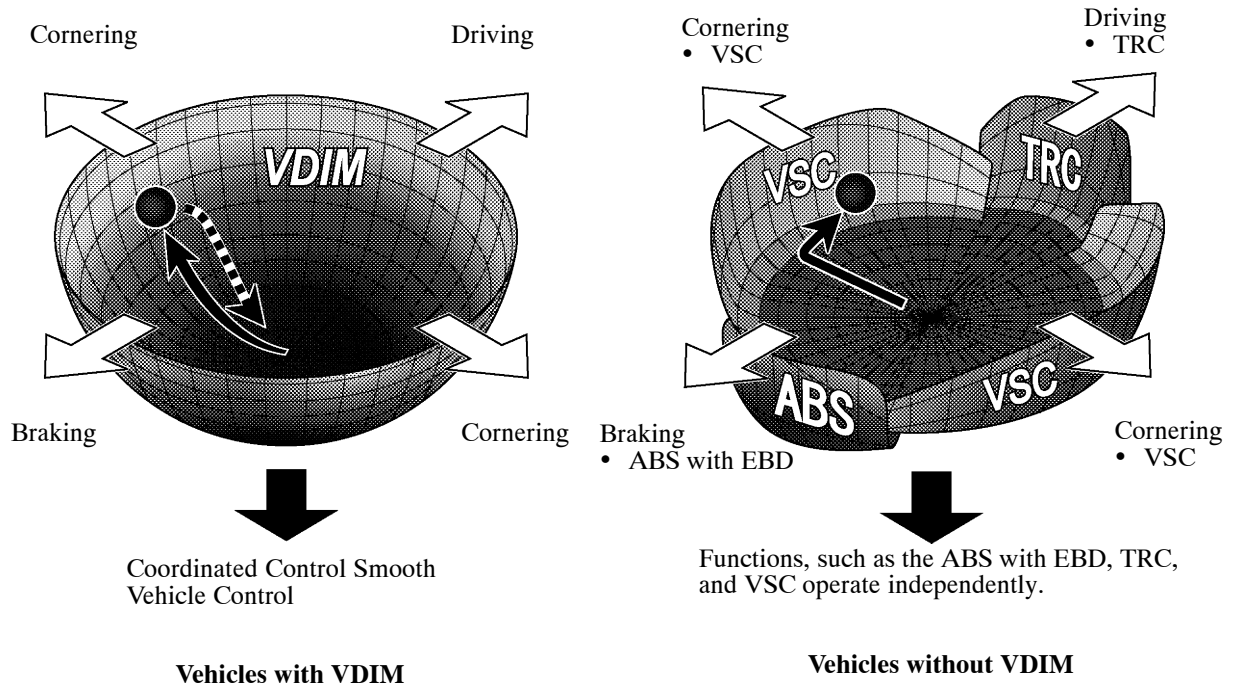
1. General

VDIM (Vehicle Dynamics Integrated Management) is a vehicle motion control system which integrates brake control (ABS with EBD, Brake Assist, TRC, VSC and Hill-start Assist Control) and steering control (EPS).

- On vehicles without VDIM, the brake control functions (ABS with EBD, Brake Assist, TRC and VSC etc.) acted independently. Control started at the limit of vehicle running, cornering, and stopping performance. The brake control system and the steering control system did not operate in a coordinated manner.
- On vehicles with VDIM, brake control starts earlier in order to ensure that the vehicle does not exceed its behavioral limits. The brake control system and the steering control system (EPS) operate in a coordinated manner.



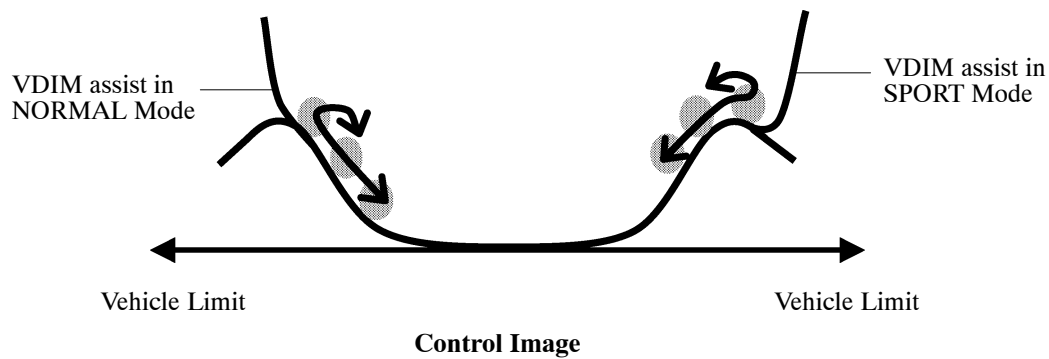
- VDIM integrates the operations of these systems to enhance the dynamic performance of the vehicle to “run, turn, and stop”.
- The IS F has a SPORT mode for VDIM. SPORT mode expands the permissible range of lateral acceleration and movement before VDIM kicks in, providing the driver with the enjoyment of pushing the car close to the physical limit without sacrificing stability in emergencies.



2. Outline of VDIM with SPORT Mode

When drawing the maximum potential out of the vehicle on the circuit, there are areas where even top-level drivers find control difficult, and this is where VDIM can step in. When SPORT mode is selected, VDIM control is moderated slightly while respecting the skill of the driver.

- VDIM control can be moderated by switching from NORMAL mode to SPORT mode using the mode switch (pattern select switch).
- SPORT mode changes the effects of TRC and VSC. Other controls linked to SPORT mode and controlled in an integrated manner include not only brake control but also engine control, automatic transmission control and EPS assist control.



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