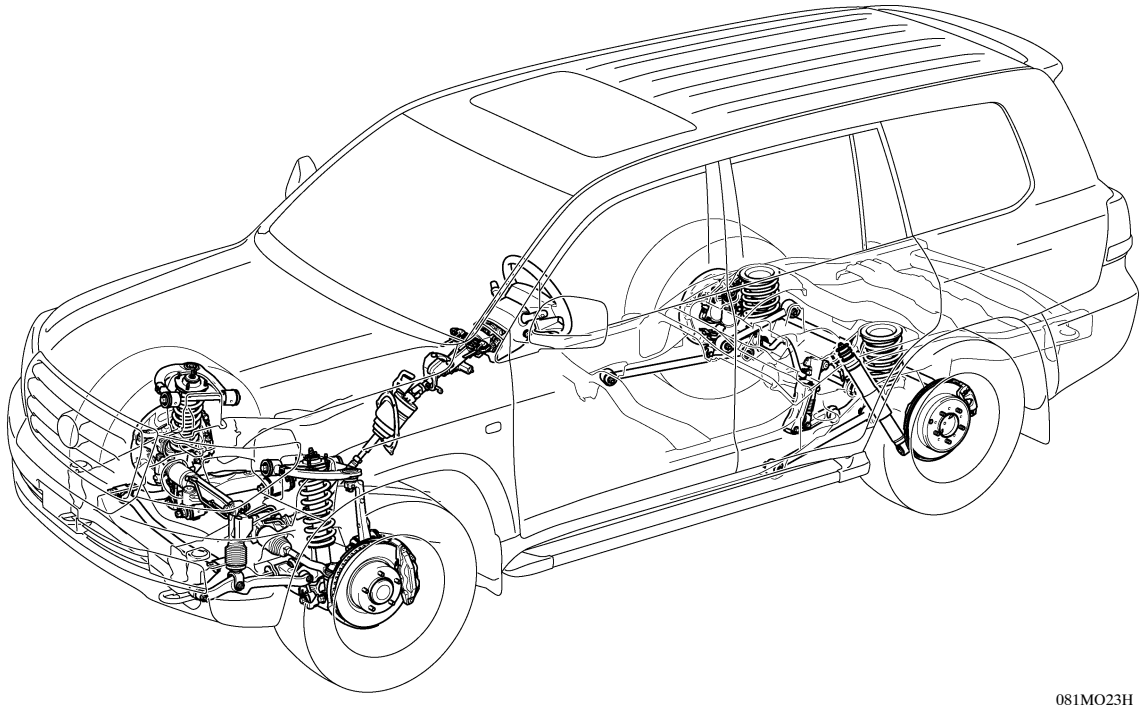
Chassis



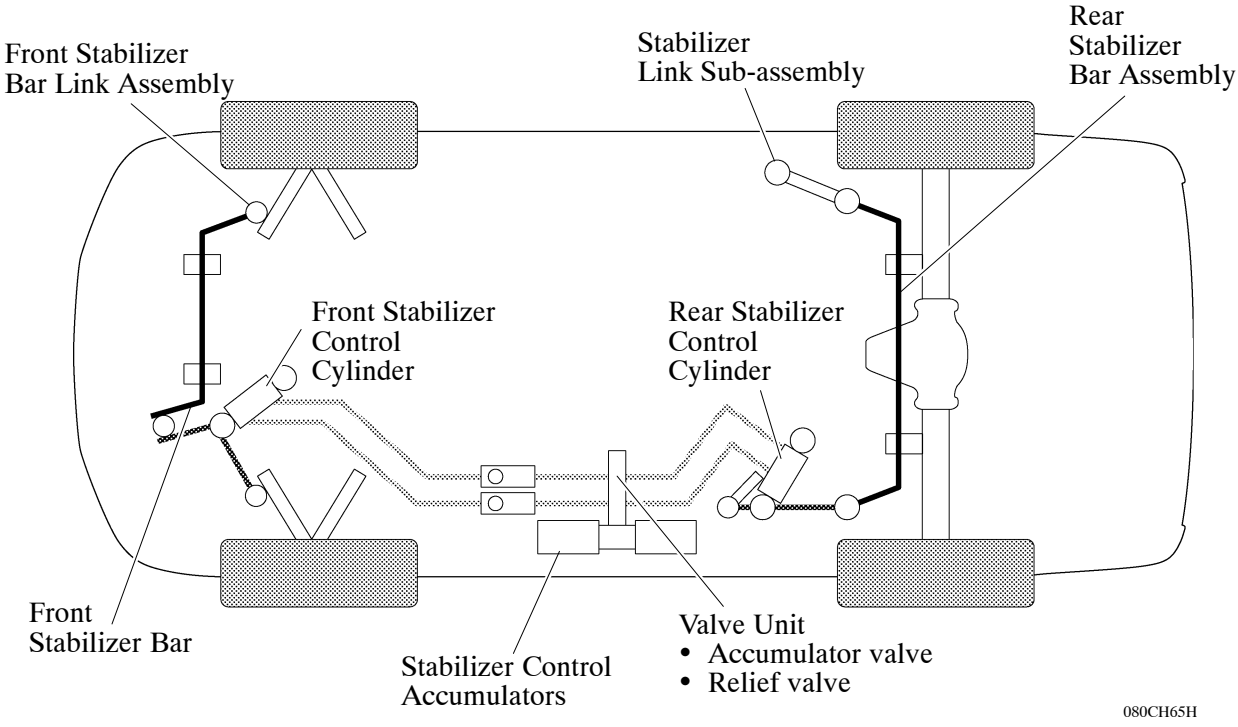
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Suspension

Suspension System	● KDSS (Kinetic Dynamic Suspension System) ● 4-Wheel AHC (Active Height Control Suspension) & AVS (Adaptive Variable Suspension)
Front Suspension	Double-wishbone Type Independent Suspension
Rear Suspension	4-link Coil Spring with Lateral Rod Type

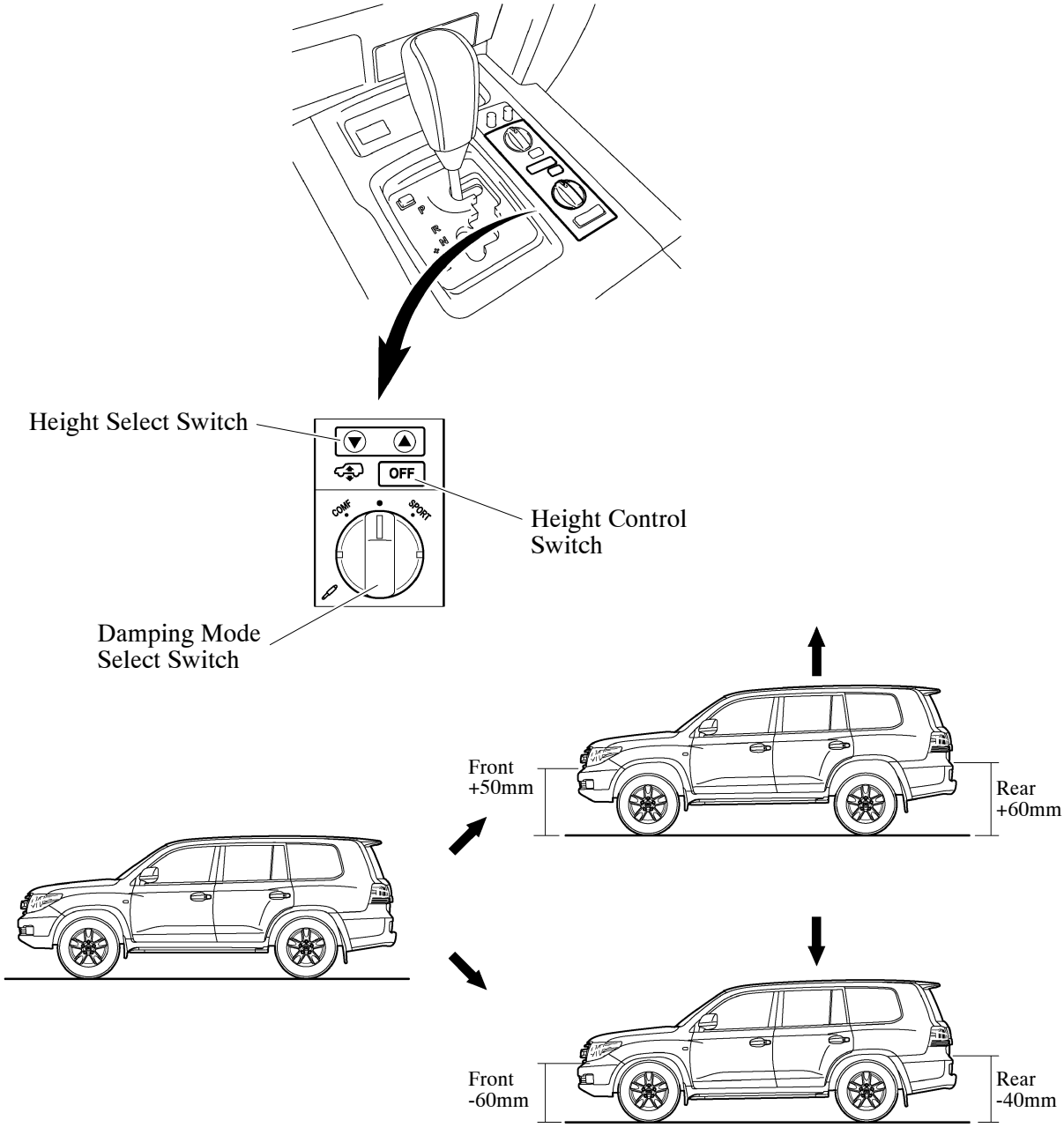
KDSS (Kinetic Dynamic Suspension System)

- The KDSS (Kinetic Dynamic Suspension System) consists of a hollow stabilizer bar at the front and a sold stabilizer bar at the rear to realize the proper rolling rigidity of the vehicle, and two hydraulic stabilizer control cylinders to deliver excellent off-road driving performance.



4-Wheel AHC (Active Height Control Suspension) & AVS (Adaptive Variable Suspension)

In this active height control suspension, the height control, damping force control, spring rate control and 4-wheel related control are individually controlled by the coil spring, nitrogen gas springs and hydro-pneumatic suspension, thereby delivering high on-road and off-road driving performance.



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Steering

Steering Type	● Hydraulic Power Steering ● VGRS (Variable Gear Ratio Steering) System
Gear Type	Rack & Pinion

Brake

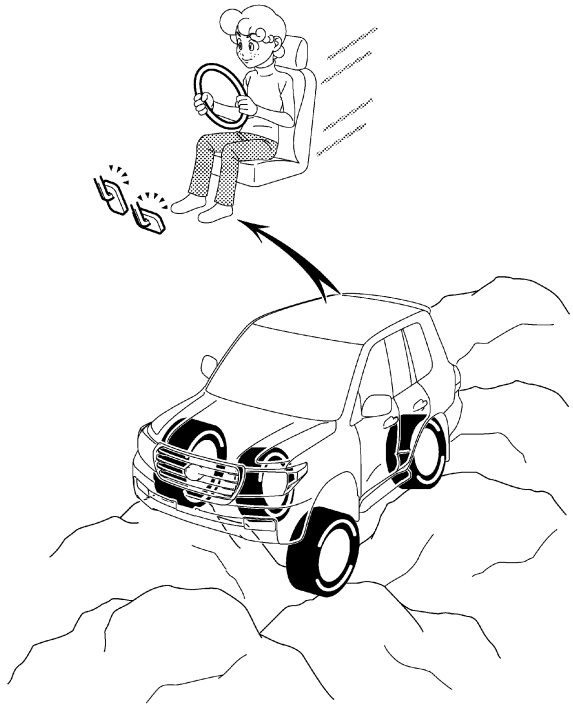
Front Brake Type		Ventilated Disc
Front Rotor Size	mm (in.)	340 × 32 (13.39 × 1.26)
Rear Brake Type		Ventilated Disc
Rear Rotor Size	mm (in.)	345 × 18 (13.59 × 0.71)
Brake Control System		● Multi-terrain ABS with EBD, Brake Assist ● Multi-terrain ABS with EBD, Brake Assist, VSC, A-TRC, Hill-start Assist Control and Downhill Assist Control ● Multi-terrain ABS with EBD, Brake Assist, VSC, A-TRC, Hill-start Assist Control and CRAWL

Multi -terrain ABS

The conventional ABS, by regulating the hydraulic brake pressure of all the wheels by monitoring the wheel speeds during braking, prevents the wheels from locking when braking to ensure the vehicle stability and the steering maneuverability. The newly provided Multi-terrain ABS has a function that detects the off-road ground conditions such as sand, mud, or gravel via information such as the engine output, vehicle acceleration rate, and wheel speeds, and then selects the optimum ABS control in accordance with the situation. As a result, the braking feel in off-road driving has been enhanced.

CRAWL

The CRAWL, a driving support system which aids the driver when the vehicle is driven on very bumpy or slippery roads, has been newly added. When the CRAWL is active, the engine output and the brake force are automatically regulated, thus enabling the vehicle to run at a constant speed. As a result, the driver is allowed to concentrate on maneuvering the steering wheel with less accelerator and brake pedal operation.



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