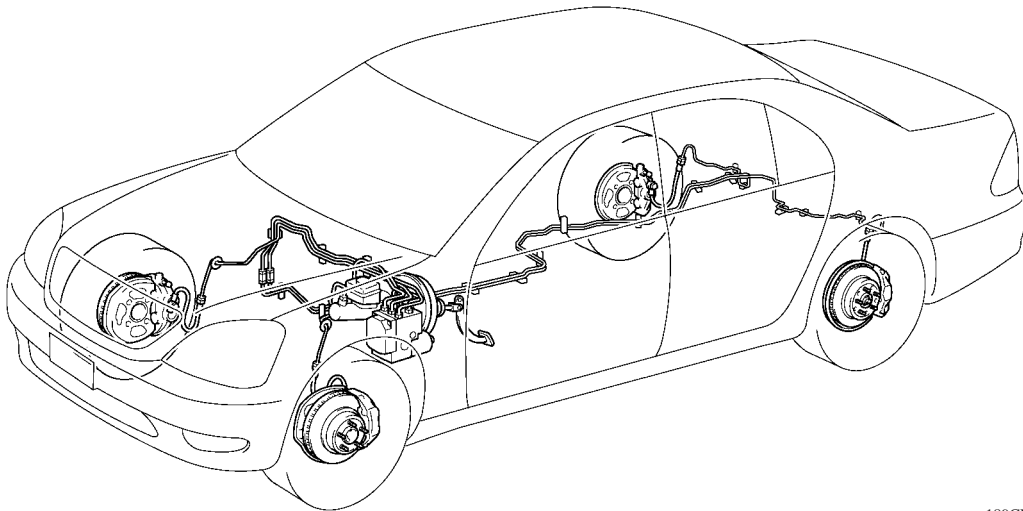


BRAKE

■ DESCRIPTION

- As in the previous LS400, the ventilated disc brake is used for both front and rear brakes.
- Both the front and rear brakes use brake calipers made of aluminum to achieve a lightweight configuration.
- The dust covers for the front brakes are provided with cooling holes to improve the cooling performance of the front brakes with air duct.
- As in the previous LS400, the pedal type parking brake is used. However, the parking brake pedal's lock mechanism has been changed.
- A toggle lever type duo-servo brake mechanism has been adopted for the parking brake to simplify the constituent parts and to achieve weight reduction.
- The ABS with EBD & Brake Assist & TRC & VSC system is provided as standard equipment. ABS (Anti-lock Brake System), EBD (Electronic Brake force Distribution), TRC (Traction Control), VSC (Vehicle Stability Control)
- As in the previous LS400, the pad wear indicator switch is used for both front right and rear right on the LHD models for Europe and G.C.C. Countries.
- However, the signal from this switch is transmitted to the meter ECU via the passenger side J/B ECU and skid control ECU to display “BRAKE WEAR” on the multi-information display in the combination meter.



LHD Model

189CH57

► Specifications ◀

Item		New LS430	Previous LS400
Master Cylinder	Type	Tandem (Portless + Portless)	←
	Diameter	mm (in.)	22.22 (0.87)
	Stroke	mm (in.)	45 (Fr: 30, Rr: 15) [1.77 (Fr: 1.18, Rr: 0.59)]
Brake Booster	Type	Tandem	←
	Size	in.	8.5" + 8.5"
	Stroke	mm (in.)	46 (1.81)
Front Brake	Type	Ventilated Disc	←
	Caliper Type	OS12W	S12W
	Wheel Cylinder Diameter	mm (in.)	42.85 (1.687) × 4
	Rotor Size (D × T)*1	mm (in.)	315 × 30 (12.40 × 1.18)
Rear Brake	Type	Ventilated Disc	←
	Caliper Type	OS12R	PE38R
	Wheel Cylinder Diameter	mm (in.)	42.85 (1.69) × 2
	Rotor Size (D × T)*1	mm (in.)	310 × 16 (12.20 × 0.63)
Parking Brake	Type	Duo-Servo	←
	Size	mm (in.)	190 (7.48)
	Lever Type	Pedal	←
ABS with EBD & Brake Assist & TRC & VSC System		Standard	←*2

*1: D: Outer Diameter, T: Thickness

*2: without EBD and Brake Assist

■ MASTER CYLINDER AND BRAKE BOOSTER

- A small-diameter and long-stroke type master cylinder has been adopted.
- A type of brake booster into which the master cylinder is inserted has been adopted to achieve a compact configuration

