

BRAKE

DESCRIPTION

1. General

The brake system is composed of items with the following features:

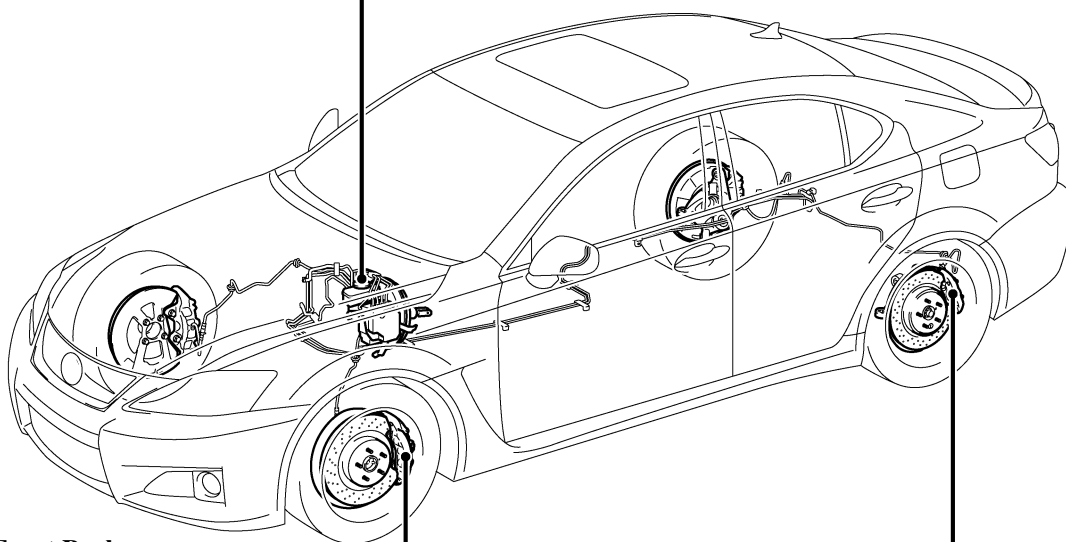
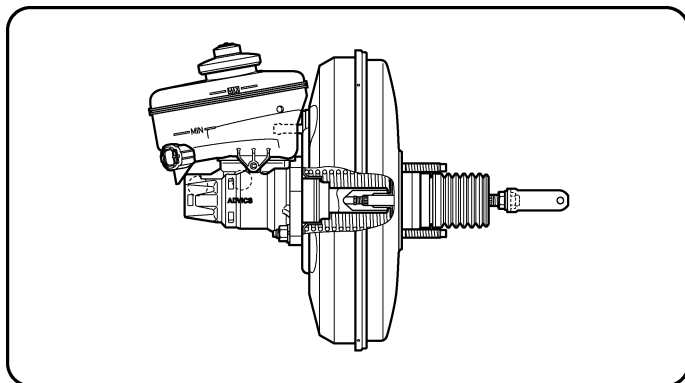
Item	Features
Common Features for Front and Rear Brakes	<ul style="list-style-type: none"> Aluminum monoblock opposed piston type calipers are used. High-friction brake pads and drilled rotors are used. Pillar fins are used for the rotors.
Front Brakes	6-piston calipers with three different piston diameters are used for the front brakes.
Rear Brakes	2-piston calipers are used for the rear brakes.
Brake Booster Assembly	A single diaphragm type brake booster with a tie rod structure is used.
Parking Brake	A pedal type parking brake is used.
Brake Control System	<ul style="list-style-type: none"> VDIM (Vehicle Dynamics Integrated Management) with SPORT mode, which coordinates brake controls (ABS with EBD, Brake Assist, TRC, VSC) and EPS controls, is standard equipment. Hill-start Assist Control is standard equipment.

2. Specifications

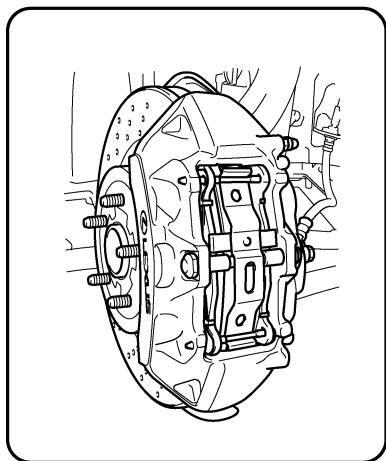
Brake Master Cylinder Sub-assembly	Type	Tandem (Plunger Type)
	Diameter mm (in.)	22.22 (0.87) × 2
Brake Booster Assembly	Type	Single Diaphragm Type
	Size in.	10.0
Front Disc Brake Caliper Assembly	Caliper Type	M6.30/34/38
	Brake Wheel Cylinder Diameter mm (in.)	30 + 34 + 38 (1.18 + 1.34 + 1.50)
	Front Rotor Size (Diameter × Thickness) mm (in.)	360 × 30 (14.2 × 1.2)
	Pad Material	J655
Rear Disc Brake Caliper Assembly	Caliper Type	M36
	Brake Wheel Cylinder Diameter mm (in.)	36.0 (1.42)
	Rear Rotor Size (Diameter × Thickness) mm (in.)	345 × 28 (13.6 × 1.1)
	Pad Material	J655
Parking Brake	Operation Type	Pedal Type
	Type	Duo Servo Drum
	Drum Inner Diameter mm (in.)	190.0 (7.48)

3. Components of Brake System

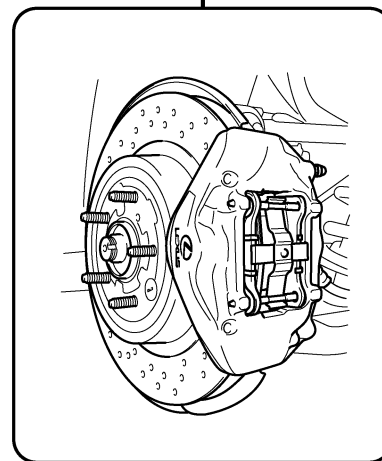
Brake Master Cylinder Sub-assembly and Brake Booster Assembly



Front Brake



Rear Brake



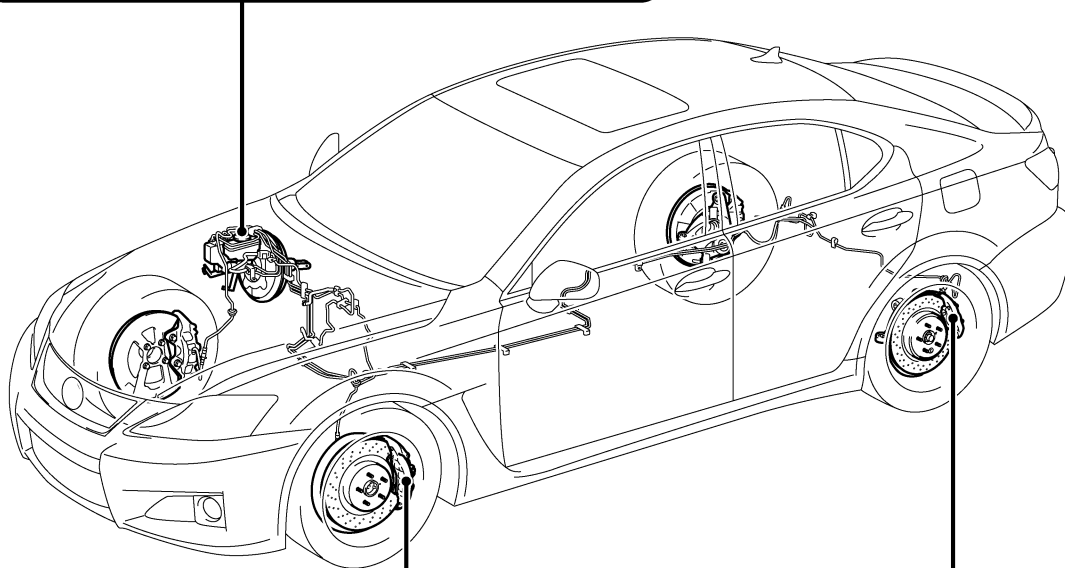
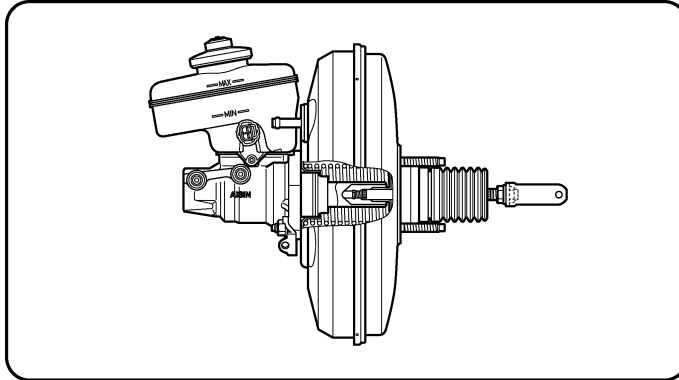
LHD Models

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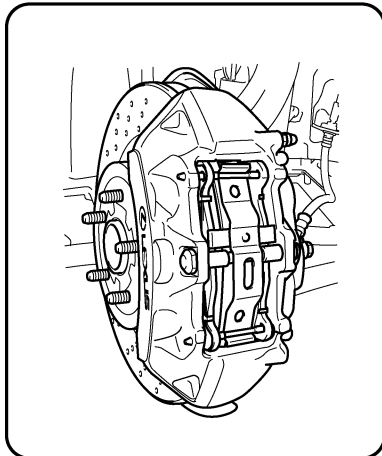
Service Tip

Do not disassemble the front disc brake caliper assembly, rear disc brake caliper assembly, or brake master cylinder sub-assembly as they are supplied as full assemblies.
For details, see the LEXUS IS F Repair Manual (Pub. No. RM08E0E).

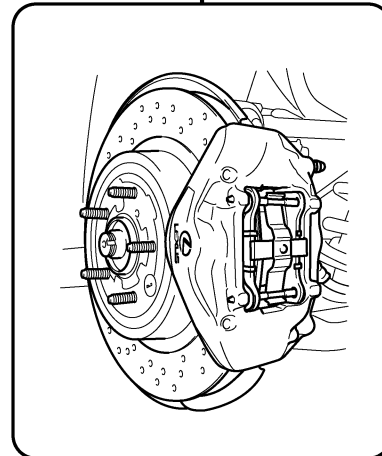
Brake Master Cylinder Sub-assembly and Brake Booster Assembly



Front Brake



Rear Brake



RHD Models

08E0CH01C

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