

## BRAKE

### ■ DESCRIPTION

#### 1. General

- A double-link type variable lever ratio brake pedal and a small-diameter and long-stroke type master cylinder are used to realize excellent brake pedal feeling.
- Ventilated disc brake for front and rear brakes is used.
- An offset type parking brake lever is used to ensure a space on the console box.
- Brake control systems (ABS with EBD and Brake Assist), (ABS with EBD, Brake Assist, A-TRC, VSC) or (ABS with EBD, Brake Assist, A-TRC, VSC, DAC\*, and HAC\*) are optimal equipment.

\*: Only for Automatic Transmission Models

#### ► Equipment Table of the Brake Control System ◀

Destination		Europe	Australia		G.C.C. Countries	General Countries		
Engine		1KD	3RZ	1KZ	3RZ	5L	3RZ	1KZ
Brake Control System	without	STD	STD	STD	STD	STD	STD	STD
	ABS with EBD and Brake Assist	OPT	OPT	OPT	OPT*3	—	OPT	OPT
	ABS with EBD, Brake Assist, A-TRC, VSC, DAC*1, and HAC*1	OPT*2	—	OPT*2	—	—	—	—

\*1: Only for Automatic Transmission Models

\*2: This is a set option with the VF4BM transfer.

\*3: When the VF2A transfer is selected, it is not possible to install the Brake Control system.

- The Brake Assist of the Brake control system (ABS with EBD and Brake Assist) uses mechanical type Brake Assist mechanism, which is integrated in the brake booster.
- The hydraulic brake booster in which the brake actuator, brake booster, master cylinder are integrated is used on the with brake control system (VSC) models.
- Speed sensor of brake control system has been changed from passive type to active type.

## ► Specification ◀

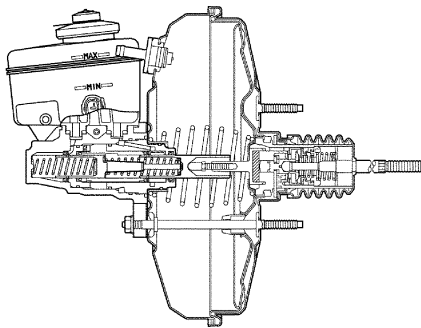
Brake Control System		without	ABS with EBD and Brake Assist	ABS with EBD, Brake Assist, A-TRC, VSC, DAC, and HAC
Master Cylinder	Type	Tandem	←	Single
	Diameter mm (in.)	20.64 (0.81)	←	22.22 (0.87)
Brake Booster		10" Single	10" Single + Brake Assist Function	Hydraulic
Front Brake	Type	Ventilated Disc	←	←
	Wheel Size	for 17 in.	←	←
	Caliper Type	17" S13W	←	←
	Pad Area cm <sup>2</sup> (in. <sup>2</sup> )	54.0 (8.37)	←	←
	Wheel Cylinder Dia. mm (in.)	45.4 (1.79) × 2	←	←
	Rotor Size (D × T) mm (in.)	338 × 28 (13.30 × 1.10)	←	←
	Pad Material	PS558H* <sup>1</sup> PN532BH* <sup>2</sup>	←	←
Rear Brake	Type	Ventilated Disc	←	←
	Wheel Size	for 15 in.	←	←
	Caliper Type	15" FS14	←	←
	Pad Area cm <sup>2</sup> (in. <sup>2</sup> )	37.0 (5.73)	←	←
	Wheel Cylinder Dia. mm (in.)	48.1 (1.89)	←	←
	Rotor Size (D × T) mm (in.)	312 × 18 (12.28 × 0.71)	←	←
	Pad Material	PS549* <sup>1</sup> PN524* <sup>2</sup>	←	←
Parking Brake	Drum Inner Dia. mm (in.)	210 (8.27)	←	←
Brake Control Valve		LSPV & BV	—	—

\*1: Except Germany

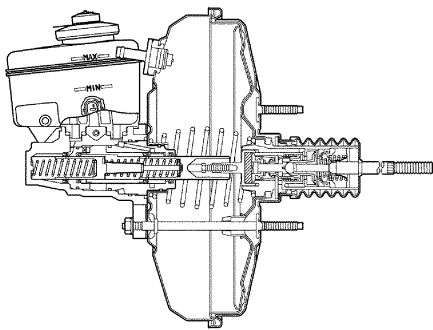
\*2: Only for Germany

2. Component of Brake System

► Master Cylinder & Brake Booster ◀

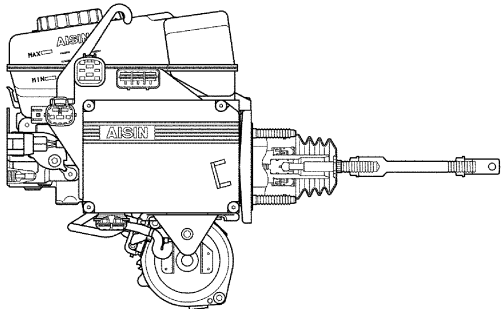


without Brake Assist

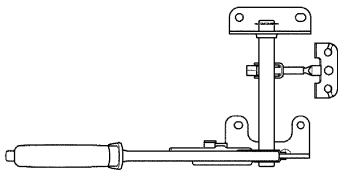


with Brake Assist

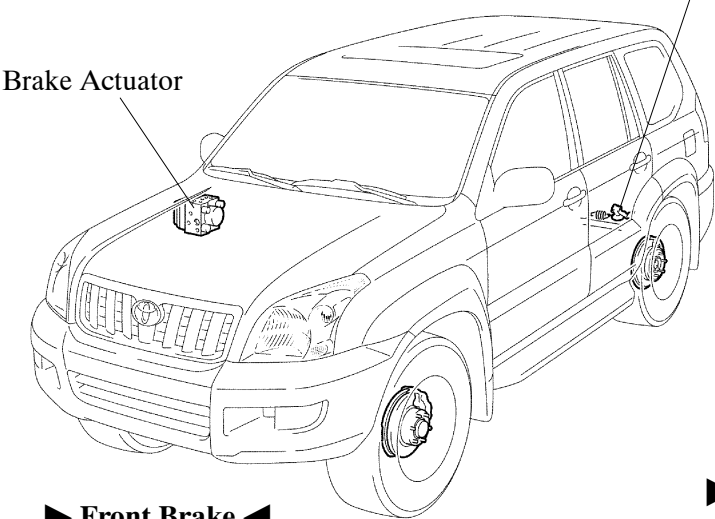
► Hydraulic Brake Booster ◀



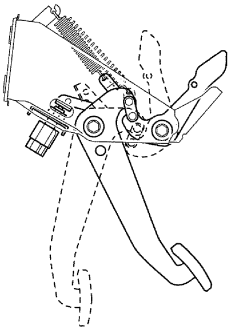
► Offset Type Parking Brake Lever ◀



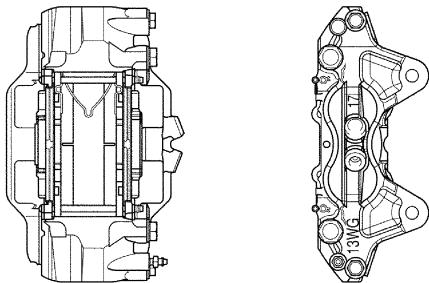
LSPV & BV



► Brake Pedal (Double-Link Type) ◀



► Front Brake ◀



► Rear Brake ◀

