BRAKE

■ DESCRIPTION

1. General

- The brake control system with ABS with EBD and Brake Assist has been provided on 2AZ-FE engine models as standard. The brake control system uses a mechanical type brake assist mechanism, which is integrated into the brake booster.
- The brake control system with ABS with EBD, Brake Assist, TRC and VSC has been provided on 2GR-FE engine models as standard and on 2AZ-FE engine models as an option. The brake control system uses an electrical type brake assist mechanism, which effects brake assist control through the brake actuator.
- The new Camry has a brake system with the following specifications:

Engine Type		2AZ-FE	2GR-FE
Front Brake Type		Ventilated Disc	←
Rear Brake Type		Solid Disc	←
Brake Control System	ABS with EBD and Brake Assist	Standard	—
	ABS with EBD, Brake Assist, TRC and VSC	Option	Standard
Parking Brake Lever Type	AT Model	Pedal Type	←
	MT Model	Lever Type	—

▶ Specifications ◀

Master Cylinder	Type		Tandem (Plunger type)
	Diameter	mm (in.)	22.22 (0.87)
Brake Booster	Type		Single, Tie Rod Type
	Size	in.	10
Front Disc Brake	Caliper Type		PE63
	Wheel Cylinder Dia.	mm (in.)	63.5 (2.5)
	Rotor Size (D x T)*	mm (in.)	296 x 28 (11.65 x 1.10)
	Pad Material		PN562H
Rear Disc Brake	Caliper Type		PEAL38
	Wheel Cylinder Dia.	mm (in.)	38.1 (1.50)
	Rotor Size (D x T)*	mm (in.)	281 x 10 (11.06 x 0.39)
	Pad Material		D6234
Parking Brake	Type		Duo Servo
	Drum Inner Dia.	mm (in.)	170.0 (6.69)
Brake Actuator Supplier	For ABS with EBD		Bosch
	For ABS with EBD, Brake Assist, TRAC and VSC		ADVICS

*: D: Outer Diameter, T: Thickness

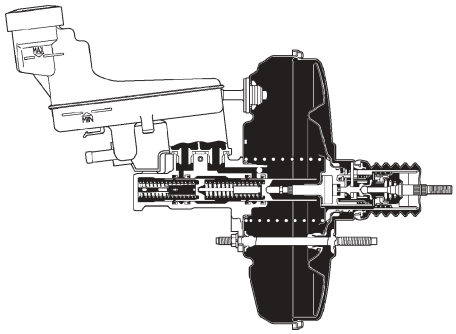
Service Tip

- To ensure the performance and reliability of the plunger type master cylinder, it must not be disassembled. If it malfunctions, replace the entire assembly.
- Before removing the plunger type master cylinder from the brake booster, discharge the vacuum from the brake booster. Otherwise, the piston of the master cylinder may be left inside the brake booster.

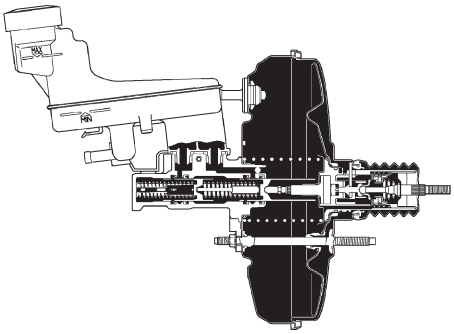
For details, see the Camry Repair Manual (Pub.No.RM0260E).

2. Components of Brake System

▶ Master Cylinder ◀

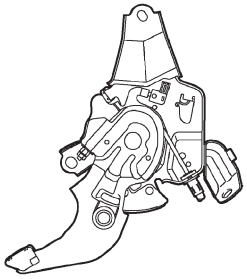


Models with mechanical type brake assist mechanism

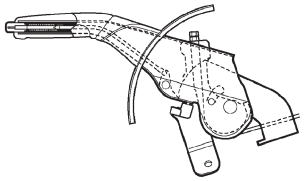


Except models with mechanical type brake assist mechanism

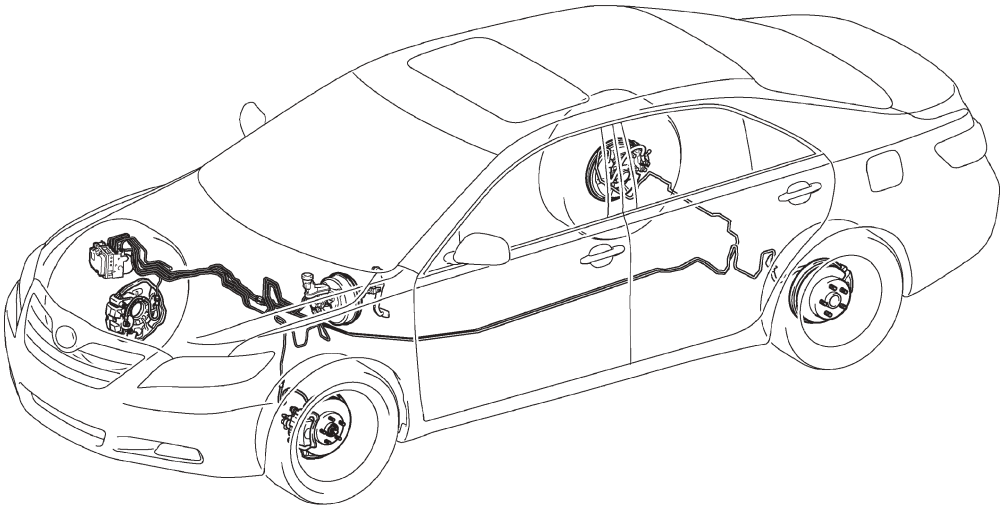
▶ Parking Brake ◀



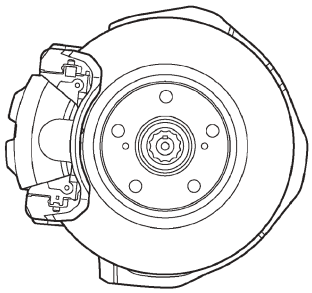
Pedal Type



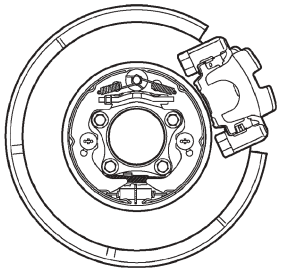
Lever Type



▶ Front Brake ◀



▶ Rear Brake ◀



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