

BRAKE

DESCRIPTION

1. General

- The hydraulic brake booster in which the brake actuator, brake booster, master cylinder are integrated is used.
- A double-link type variable lever ratio brake pedal is used on all models.
- Ventilated disc brake for rear brake is standard equipment on all models.
- Brake control system (ABS with EBD, Brake Assist, TRAC, VSC, and HAC) is standard equipment on 2WD models.
- Brake control system (ABS with EBD, Brake Assist, A-TRAC, VSC, DAC, and HAC) is standard equipment on 4WD models.
- In accordance with the adoption of DAC and HAC of the brake control system, a speed sensor has been changed from a passive type to an active type. For details, see outline of the brake control system (DAC or HAC) on page CH-102 or CH-103.
- The '03 4Runner has a brake system with the following equipment:

Model		'03 Model		'02 Model	
Grade		SR5	Limited	SR5	Limited
Master Cylinder		Single	←	←	←
Brake Booster		Hydraulic	←	←	←
Front Brake	Type	Ventilated Disc	←	←	←
	Wheel Size	STD	for 16 in.	←	for 15 in.
		OPT	for 17 in.	—	for 16 in.
Rear Brake	Type	Ventilated Disc	←	LT Drum	←
	Wheel Size	for 15 in.	←	←	←
Brake Pedal		Double-Link	←	Normal	←
Parking Brake	Lever Type	Pedal	←	Lever	←
	Brake Type	Drum in Disc	←	Drum	←
Brake Control System	ABS with EBD	STD	←	STD	←
	Brake Assist				
	TRAC*1/A-TRAC*2				
	VSC			—	—
	DAC*2			—	—
HAC	—	—			

*1: 2WD model *2: 4WD model

- The '03 4Runner has a brake system with the following specifications:

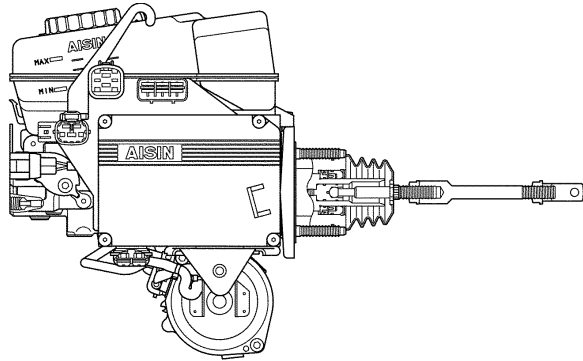
Model		'03 Model		'02 Model		
Grade		SR5	Limited	SR5	Limited	
Master Cylinder	Diameter mm (in.)	22.22 (0.87)	←	←	←	
Front Brake	Caliper Type	STD	16" S13WG	←	15" S12WE 16" S13WM	
		OPT	17" S13WH	—	16" S13WM —	
	Pad Area cm ² (in. ²)	54.0 (8.37)	←	50.0 (1.97)	←	
	Wheel Cylinder Dia. mm (in.)	STD	45.4 (1.79) × 2	←	←	←
		OPT		—	←	—
	Rotor Size (D × T) mm (in.)	STD	319 × 28 (12.56 × 1.10)	←	297 × 22 (11.7 × 0.87)	319 × 22 (12.56 × 0.87)
		OPT	338 × 28 (13.30 × 1.10)	—	319 × 22 (12.56 × 0.87)	—
Pad Material		PS558H	←	PA533	←	
Rear Brake	Caliper or Cylinder Type		15" FS13	←	295 Drum	←
	Pad or Lining Area cm ² (in. ²)		37.0 (5.73)	←	148.0 (22.94)	←
	Wheel Cylinder Dia. mm (in.)		45.4 (1.79)	←	23.8 (0.94)* ¹ 20.64 (0.81)* ²	25.4 (1.00)* ¹ 22.22 (0.87)* ²
	Rotor or Drum Size (D × T) mm (in.)		312 × 18 (12.28 × 0.71)	←	295 × 83 (11.6 × 3.27)	←
	Pad or Lining Material		PS549	←	LN508	←
Brake Control Valve		EBD	←	←	←	
Parking Brake	Drum Inner Dia. mm (in.)	210 (8.27)	←	295 (11.6)	←	

*1: without VSC

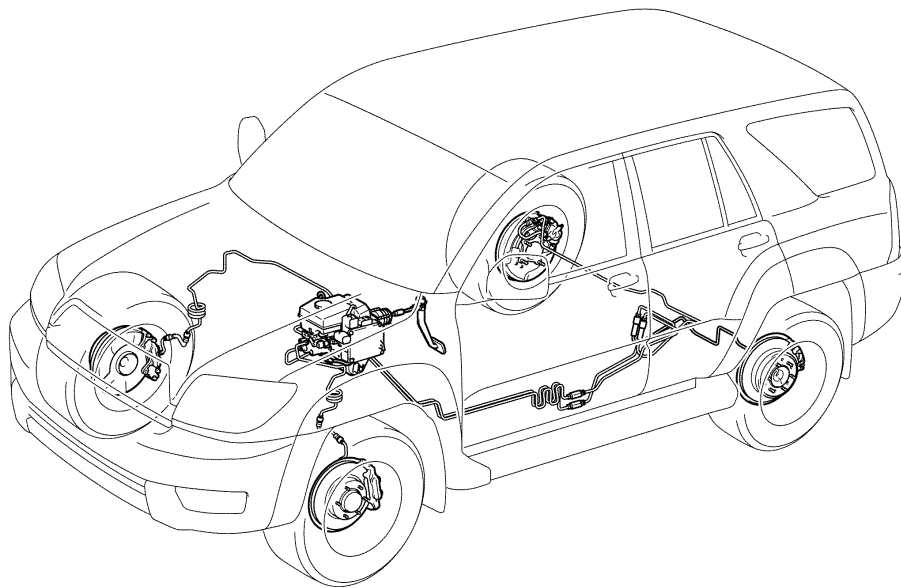
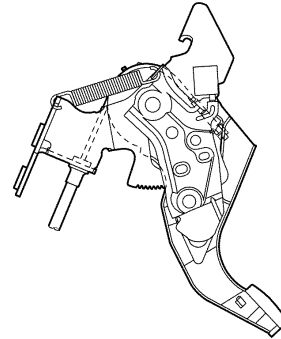
*2: with VSC

2. Component of Brake System

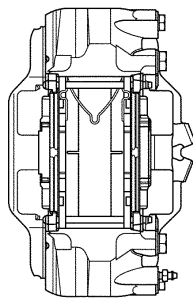
Hydraulic Brake Booster



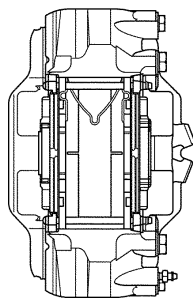
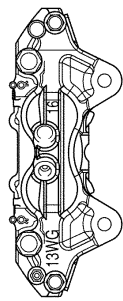
Parking Brake (Pedal Type)



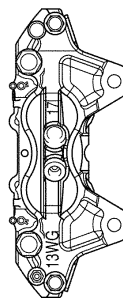
Front Brake



for 16 in.



for 17 in.



Rear Brake

