BRAKE

■ DESCRIPTION

1. General

The brake system is composed of the following equipment:

Item	Feature
Front Brake	• A ventilated brake disc is used. • An opposed 4-piston type brake caliper (S13WG) is used.
Rear Brake	A ventilated brake disc is used.
Brake Booster	A hydraulic brake booster in which the brake actuator, brake booster, master cylinder and Skid Control ECU are integrated is used.
Brake Pedal	A double-link type variable lever ratio brake pedal is used.
Speed Sensor	An active type speed sensor that detects extremely low speeds and the rotation direction of the wheels is used.
Parking Brake Lever	An offset type parking brake lever is used.
Brake Control System	• Brake control system (ABS with EBD, Brake Assist, TRAC, AUTO LSD and VSC) is standard equipment on the 2WD models. • Brake control system (ABS with EBD, Brake Assist, TRAC and VSC) is standard equipment on the 4WD models. • The 4WD models with rear differential lock are equipped with A-TRAC.

▶ Specification ◀

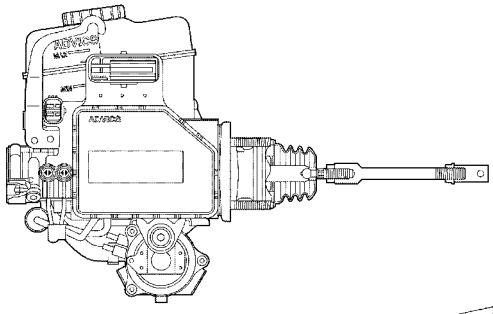
Model			2WD	4WD
Master Cylinder	Type		Dual Piston Diameter	
	Diameter	mm (in.)	Small: 19.05 (0.75)/Large: 26.99 (1.06)	
Brake Booster	Type		Hydraulic	
	Supplier		ADVICS	
Front Brake	Type		Ventilated Disc	
	Minimum Wheel Size		16 inch	
	Caliper Type		S13WG	
	Pad Area	cm^2 ($in.^2$)	54.0 (8.4)	
	Pad Material		PS558H	
	Wheel Cylinder Dia.	mm (in.)	45.4 (1.79) × 2	
	Rotor Size (D × T)	mm (in.)	319 × 28 (12.56 × 1.10)	
Rear Brake	Type		Ventilated Disc	
	Minimum Wheel Size		15 inch	
	Caliper Type		FS13A	
	Pad Area	cm^2 ($in.^2$)	37.0 (5.7)	
	Pad Material		PS549	
	Wheel Cylinder Dia.	mm (in.)	45.4 (1.79)	
	Rotor Size (D × T)	mm (in.)	312 × 18 (12.28 × 0.71)	

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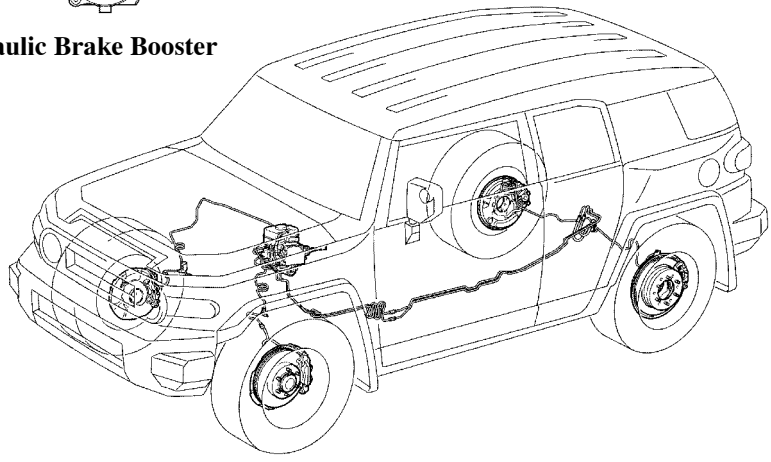
Model		2WD	4WD	
			MT	AT
Parking Brake	Type	Duo Servo Drum		
	Drum Inner Dia. mm (in.)	210 (8.27)		
Brake Control Valve		EBD		
Brake Fluid Type		SAE J1703 or FMVSS No. 116 DOT3		
Brake Control System	ABS with EBD	Standard		
	Brake Assist	Standard		
	TRAC	Standard		
	AUTO LSD	Standard	-	-
	A-TRAC	-	Optional*	Optional*
	VSC	Standard	Standard	Standard

*: Models with rear differential lock are also equipped with A-TRAC.

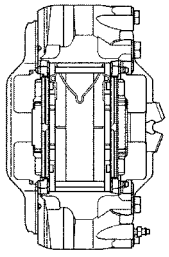
2. Components of Brake System

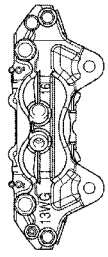


Hydraulic Brake Booster

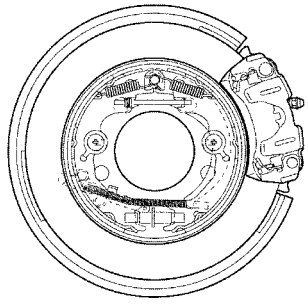


Front Brake





Rear Brake



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