

## 1. Brakes

## A: SPECIFICATIONS

Engine (cc)		2500	
Driving system		AWD	
		L	S
Front disc brake	Type	Disc (Floating type, ventilated)	
	Effective disc diameter	mm (in)	228 (8.98)
	Disc thickness × Outer diameter	mm (in)	24 × 277 (0.94 × 10.91)
	Effective cylinder diameter	mm (in)	42.8 (1.685) × 2
	Pad dimensions (length × width × thickness)	mm (in)	112.3 × 50.0 × 11.0 (4.42 × 1.969 × 0.433)
	Clearance adjustment	Automatic adjustment	
Rear disc brake	Type	—	Disc (Floating type)
	Effective disc diameter	mm (in)	230 (9.06)
	Disc thickness × Outer diameter	mm (in)	10 × 266 (0.39 × 10.47)
	Effective cylinder diameter	mm (in)	38.1 (1.500)
	Pad dimensions (length × width × thickness)	mm (in)	82.4 × 33.7 × 9.0 (3.244 × 1.327 × 0.354)
	Clearance adjustment	—	Automatic adjustment
Rear drum brake	Type	Drum (Leading-Trailing type)	—
	Effective drum diameter	mm (in)	228.6 (9)
	Effective cylinder diameter	mm (in)	19.0 (0.748)
	Lining dimensions (length × width × thickness)	mm (in)	218.8 × 35.0 × 4.1 (8.61 × 1.378 × 0.161)
	Clearance adjustment	Automatic adjustment	
Parking brake	Type	Mechanical on rear brakes, drum in disc	
	Effective drum diameter	mm (in)	228.6 (9)      170 (6.69)
	Lining dimensions (length × width × thickness)	mm (in)	218.8 × 35.0 × 4.1 (8.61 × 1.378 × 0.161)      162.6 × 30.0 × 3.2 (6.40 × 1.181 × 0.126)
	Clearance adjustment	Automatic adjustment	Manual adjustment
Master cylinder	Type	Tandem	
	Effective diameter	mm (in)	26.99 (1-1/16)
	Reservoir type	Sealed type	
	Brake fluid reservoir capacity	cm <sup>3</sup> (cu in)	205 (12.51)
Brake booster	Type	Vacuum suspended	
	Effective diameter	mm (in)	205 + 230 (8.07 + 9.06)
Proportioning valve	Split point	kPa (kg/cm <sup>2</sup> , psi)	
	Reducing ratio	3,678 (37.5, 533)	
Brake line	0.3		
Brake line	Dual circuit system		
ABS	STD		

**B: SERVICE DATA**

ITEM		STANDARD	SERVICE LIMIT
Front brake	Pad thickness (including back metal)	17 mm (0.67 in)	7.5 mm (0.295 in)
	Disc thickness	24 mm (0.94 in)	22 mm (0.87 in)
	Disc runout	—	0.075 mm (0.0030 in)
Rear brake (Disc type)	Pad thickness (including back metal)	14 mm (0.55 in)	6.5 mm (0.256 in)
	Disc thickness	10 mm (0.39 in)	8.5 mm (0.335 in)
	Disc runout	—	0.07 mm (0.0028 in)
Rear brake (Drum type)	Inside diameter	228.6 mm (9 in)	230.6 mm (9.08 in)
	Lining thickness	4.1 mm (0.161 in)	1.5 mm (0.059 in)
Rear brake (Disc type parking)	Inside diameter	170 mm (6.69 in)	171 mm (6.73 in)
	Lining thickness	3.2 mm (0.126 in)	1.5 mm (0.059 in)
Parking brake	Lever stroke	7 to 8 notches/196 N (20 kg, 44 lb)	

Brake booster	Brake fluid pressure without engine running	Brake pedal force	Fluid pressure
		147 N (15 kg, 33 lb)	588 kPa (6 kg/cm <sup>2</sup> , 85 psi)
	294 N (30 kg, 66 lb)	1,765 kPa (18 kg/cm <sup>2</sup> , 256 psi)	
	Brake fluid pressure with engine running and vacuum at 66.7 kPa (500 mmHg, 19.69 inHg)	Brake pedal force	Fluid pressure
147 N (15 kg, 33 lb)	5,590 kPa (57 kg/cm <sup>2</sup> , 811 psi)		
294 N (30 kg, 66 lb)	9,807 kPa (100 kg/cm <sup>2</sup> , 1,422 psi)		

**C: RECOMMENDED BRAKE FLUID**

FMVSS No. 116, fresh DOT3 or 4 brake fluid

**CAUTION:**

- Avoid mixing brake fluid of different brands to prevent the fluid performance from degrading.
- When brake fluid is supplemented, be careful not to allow any dust into the reservoir.
- Use fresh DOT3 or 4 brake fluid when replacing or refilling the fluid.

**D: BRAKE FLUID LEVEL INDICATOR**

*Reserve tank with level indicator:  
Residual fluid quantity at light ON  
Approx. 80 cm<sup>3</sup> (4.88 cu in)  
Tank capacity  
205 cm<sup>3</sup> (12.51 cu in)*