1. Brakes

A: SPECIFICATIONS

1. 2200 cc MODEL

	Engine (cc)		2200	
	Driving system		AWD	
			Without ABS	With ABS
Front brake	Type		Disc (Floating type, ventilated)	
	Effective disc diameter	mm (in)	210 (8.27)	
	Disc thickness × outer diameter	mm (in)	24 × 260 (0.94 × 10.24)	
	Effective cylinder diameter	mm (in)	57.15 (2.2500)	
	Pad dimensions (length × width × thickness)	mm (in)	112.4 × 44.3 × 11.0 (4.43 × 1.744 × 0.433)	
	Clearance adjustment		Automatic adjustment	
Rear brake	Type		Drum (Leading-trailing type)	
	Effective drum diameter	mm (in)	228.6 (9)	
	Effective cylinder diameter	mm (in)	19.05 (0.7500)	
	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 brake drums	
	Effective drum diameter	mm (in)	228.6 (9)	
	Lining dimensions (length × width × thickness)	mm (in)	218.8 × 35.0 × 4.1 (8.61 × 1.378 × 0.161)	
	Clearance adjustment		Automatic adjustment	
Master cylinder	Type		Tandem	
	Effective diameter	mm (in)	23.81 (0.9374)	25.40 (1)
	Reservoir type		Sealed type	
	Brake fluid reservoir capacity	cm^3 (cu in)	205 (12.51)	
Brake booster	Type		Vacuum suspended	
	Effective diameter	mm (in)	230 (9.06)	180 + 205 (7.09 + 8.07)
Proportioning valve	Split point	kPa (kg/cm^2, psi)	2,942 (30.0, 427)	
	Reducing ratio		0.4	
Brake line			Dual circuit system	
ABS			—	STD

2. 2500 cc MODEL

	Engine (cc)		2500
	Driving system		AWD
			With ABS
Front 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 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)	92.4 × 33.7 × 10.0 (3.638 × 1.327 × 0.394)
	Clearance adjustment		Automatic adjustment
Parking brake	Type		Mechanical on rear brakes, drum in disc
	Effective drum diameter	mm (in)	170 (6.69)
	Lining dimensions (length × width × thickness)	mm (in)	162.6 × 30.0 × 3.2 (6.40 × 1.181 × 0.126)
	Clearance adjustment		Manual adjustment
Master cylinder	Type		Tandem
	Effective diameter	mm (in)	25.40 (1)
	Reservoir type		Sealed type
	Brake fluid reservoir capacity	cm^3 (cu in)	205 (12.51)
Brake booster	Type		Vacuum suspended
	Effective diameter	mm (in)	180 + 205 (7.09 + 8.07)
Proportioning valve	Split point	kPa (kg/cm^2, psi)	2,942 (30.0, 427)
	Reducing ratio		0.4
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)	15 mm (0.59 in)	6.5 mm (0.256 in)
	Disc thickness	10 mm (0.39 in)	8.5 mm (0.335 in)
	Disc runout	—	0.10 mm (0.0039 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)	

			Without ABS	With ABS
Brake booster		Brake pedal force	Fluid pressure	
	Brake fluid pressure without engine running	147 N (15 kg, 33 lb)	785 kPa (8 kg/cm^2, 114 psi)	588 kPa (6 kg/cm^2, 85 psi)
		294 N (30 kg, 66 lb)	2,158 kPa (22 kg/cm^2, 313 psi)	1,863 kPa (19 kg/cm^2, 270 psi)
	Brake fluid pressure with engine running and vacuum at 66.7 kPa (500 mmHg, 19.69 inHg)	147 N (15 kg, 33 lb)	5,492 kPa (56 kg/cm^2, 796 psi)	5,394 kPa (55 kg/cm^2, 782 psi)
		294 N (30 kg, 66 lb)	8,434 kPa (86 kg/cm^2, 1,223 psi)	9,219 kPa (94 kg/cm^2, 1,337 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^3 (80 cc, 4.88 cu in)
Tank capacity
205 cm^3 (205 cc, 12.51 cu in)