

BRAKE SYSTEM

Specifications

Brake pedal	Pedal height (from to rib of floor panel) M/T A/T Stop light switch to pedal clearance Pedal freeplay Pedal reserve distance at 490 N (50 kgf, 110.2 lbf) w/o ABS w/ ABS		168.6 – 178.6 mm 168.0 – 178.0 mm 0.5–2.4 mm 1 – 6 mm	6.638 – 7.031 in. 6.614 – 7.008 in. 0.02–0.09 in. 0.04 – 0.24 in.
			More than 85 mm (3.35 in.) More than 90 mm (3.54 in.)	
Brake booster	Booster push rod to piston clearance w/SST		0 mm	0 in.
Front brake	Disc thickness Limit Disc runout STD Pad thickness Limit	STD Limit Limit STD Limit	25.0 mm 23.0 mm 0.07 mm 10.0 mm 1.0 mm	0.984 in. 0.906 in. 0.0028 in. 0.394 in. 0.039 in.
Rear brake (Drum)	Drum inside diameter Limit Lining thickness Limit	STD Limit STD Limit	200.0 mm 201.0 mm 4.0 mm 1.0 mm	7.874 in. 7.913 in. 0.157 in. 0.039 in.
Rear brake (Disc)	Disc thickness Limit Limit Disc runout STD Pad thickness Limit	STD Limit Limit STD Limit	10.0 mm 9.0 mm 0.15 mm 10.0 mm 1.0 mm	0.394 in. 0.354 in. 0.0059 in. 0.394 in. 0.039 in.
Parking brake (Drum)	Level travel at 196 N (20 kgf, 44.1 lbf) Shoe to parking brake shoe lever clearance Parking brake shoe lever shim thickness		4 – 7 clicks 0 – 0.35 mm 0.2 mm 0.3 mm 0.4 mm 0.5 m m 0.6 m m 0.9 m m	0 – 0.0138 in. 0.008 in. 0.012 in. 0.016 in. 0.020 in. 0.024 in. 0.035 in.
Parking brake (Disc)	Rear disc inner diameter Limit Lining thickness STD Limit Lever travel at 196 N (20 kgf, 44.1 lbf) Clearance between rear shoe and lever Parking brake shoe lever shim thickness	STD Limit STD Limit	170 mm 171 mm 2.0 mm 1.0 mm 4 – 7 clicks 0 – 0.35 mm 0.3 mm 0.6 mm 0.9 mm	6.69 in. 6.73 in. 0.079 in. 0.039 in. 0–0.0138 in. 0.012 in. 0.024 in. 0.035 in.

Torque Specifications

Part tightened	N·m	kgf-cm	ft-lbf
Master cylinder x Piston stopper bolt	10	100	7
Master cylinder x Reservoir	1.7	17.5	15.2 in.-lbf
Master cylinder x Brake booster	13	130	9
Brake tube union nut	15	155	11
Suspension upper brace (Bolt)	21	210	15
(Nut)	37	375	27
Brake booster clevis lock nut	25	260	19
Brake booster x Pedal bracket	13	130	9
Front disc brake cylinder installation bolt	39	400	29
Front disc brake torque plate x Steering knuckle	107	1,090	79
Front disc brake cylinder x Flexible hose	30	310	22
Rear drum brake wheel cylinder x Backing plate	10	100	7
Parking brake cable bracket x Backing plate	7.8	80	69 in.-lbf
Rear disc brake cylinder installation bolt	20	200	14
Rear disc brake torque plate x Rear axle carrier	47	475	34
Rear disc brake cylinder x Flexible hose	30	310	22
Bleeder plug	8.3	85	74 in.-lbf
ABS actuator x Proportioning valve bracket	8.8	90	78 in.-lbf
ABS actuator x 3-way union	16	160	12
Proportioning valve installation bolt	8.8	90	78 in.-lbf
ABS actuator x Actuator bracket	5.4	55	48 in.-lbf
ABS actuator bracket x Body (Nut)	25	260	19
(Bolt)	19	195	14
Front speed sensor installation bolt (2WD)	7.8	80	69 in.-lbf
Rear speed sensor installation bolt (4WD)	7.8	80	69 in.-lbf
	19	195	14
Rear axle hub installation bolt	80	820	59