

# BRAKE

## SERVICE DATA

Brake pedal height (from dash panel)		158.1 to 168.1 mm (6.224 to 6.618 in.)
Rod operating adapter length	w/ VSC w/o VSC	214 to 224 mm (8.425 to 8.818 in.) 212 to 222 mm (8.346 to 8.740 in.)
Stop light switch clearance		1.5 to 2.5 mm (0.059 to 0.098 in.)
Brake pedal free play		1 to 6 mm (0.04 to 0.24 in.)
Brake pedal reserve distance (from asphalt sheet) at 490 N (50 kgf, 110.2 lbf)		More than 55 mm (2.17 in.)
Brake booster push rod to piston clearance		0 mm (0 in.)
Front disc thickness (2WD)	Standard Minimum	25.0 mm (0.984 in.) 23.0 mm (0.906 in.)
Front disc brake pad lining thickness (2WD)	Standard Minimum	12.0 mm (0.472 in.) 1.0 mm (0.039 in.)
Front disc runout	Maximum	0.05 mm (0.0020 in.)
Front disc thickness (4WD and Pre-Runner)	Standard Minimum	28.0 mm (1.102 in.) 26.0 mm (1.024 in.)
Front disc brake pad lining thickness (4WD and Pre-Runner)	Standard Minimum	11.5 mm (0.453 in.) 1.0 mm (0.039 in.)
Rear brake drum inside diameter	Standard Maximum	254 mm (10.00 in.) 256 mm (10.08 in.)
Rear drum brake shoe lining thickness	Standard Minimum	5.0 mm (0.197 in.) 1.0 mm (0.039 in.)
Rear brake shoe clearance		0.5 mm (0.020 in.)

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## TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Bleeder plug	11	112	8
Brake booster clevis lock nut	25.5	260	19
Brake pedal x Brake pedal support sub-assembly	34.3	350	25
Brake pedal support sub-assembly x Brake booster	14.2	145	10
Brake pedal support sub-assembly x Hydraulic brake booster	14.2	145	10
Brake pedal support reinforcement x Reinforcement	34.3	350	25
Driver side junction block x Reinforcement	8.0	82	71 in.*lbf
Battery negative terminal x Battery	3.9	40	35 in.*lbf
Brake master cylinder x Brake booster	12.5	127	9
Brake tube x Brake master cylinder	15	153	11
Brake booster accumulator assembly x Brake booster pump assembly	57.4	585	42
Master cylinder solenoid x Master cylinder body	31.9	325	24
Brake booster pump bracket x Master cylinder solenoid	7.8	80	69 in.*lbf
Brake actuator bracket x Master cylinder body	7.8	80	69 in.*lbf
Pin x Brake booster pump assembly	7.8	80	69 in.*lbf
Brake booster pump wire harness x Master cylinder solenoid	2.9	30	26 in.*lbf
Brake actuator tube No. 1 x Brake booster pump assembly	14 (15.2)	143 (155)	10 (11)
Brake actuator tube No. 1 x Master cylinder body	14 (15.2)	143 (155)	10 (11)
Brake master cylinder reservoir sub-assembly x Master cylinder body	1.7	17	15 in.*lbf
Brake actuator bracket No. 1 x Master cylinder solenoid	7.8	80	69 in.*lbf
Brake tube x Hydraulic brake booster	15.2	155	11
Front Wheel	113	1,152	83
Front disc brake cylinder mounting x Steering knuckle (2WD)	108	1,101	80
Disc brake cylinder assembly x Front disc brake cylinder mounting (2WD)	36.3	370	27
Front flexible hose x Disc brake cylinder assembly (2WD)	30	306	22
Disc brake cylinder assembly x Steering knuckle (4WD and Pre-Runner)	123	1,254	91
Brake tube x Disc brake cylinder assembly (4WD and Pre-Runner)	15.2	155	11
Rear wheel brake cylinder x Backing plate	9.5	97	84 in.*lbf
Brake tube x Rear wheel brake cylinder	15.2	155	11
Rear Wheel	113	1,152	83

( ): For use without SST

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