

SERVICE SPECIFICATIONS

SERVICE DATA

Brake pedal height	2WD	148 mm (5.83 in.)
	4WD	145 mm (5.71 in.)
Brake pedal freeplay		3–6 mm (0.12–0.24 in.)
Brake pedal reserve distance at 490 N (50 kgf, 110.2 lbf)		
2WD	22R–E Engine	More than 70 mm (2.76 in.)
	3VZ–E Engine	More than 65mm (2.56 in.)
4WD		More than 65 mm (2.56 in.)
Brake booster push rod to piston clearance (w/SST)		0 mm (0 in.)
Front brake pad thickness		
2WD USA STD model	STD	9.5 mm (0.374 in.)
	Limit	1.0 mm (0.039 in.)
2WD EX. USA STD model	STD	10.0 mm (0.394 in.)
	Limit	1.0 mm (0.039 in.)
4WD	STD	9.5 mm (0.374 in.)
	Limit	1.0 mm (0.039 in.)
Front brake disc thickness		
2WD	STD	22.0 mm (0.866 in.)
	Limit	20.0 mm (0.787 in.)
4WD	STD	20.0 mm (0.787 in.)
	Limit	18.0 mm (0.709 in.)
Front brake disc runout		
2WD	Limit	0.09 mm (0.0035 in.)
4WD	Limit	0.09 mm (0.0035 in.)
Rear brake drum inside diameter		
2WD	STD	254.0 mm (10.000 in.)
	Limit	256.0 mm (10.079 in.)
4WD	STD	295.0 mm (11.614 in.)
	Limit	297.0 mm (11.693 in.)
Rear brake lining thickness		
2WD	STD	5.0 mm (0.197 in.)
	Limit	1.0 mm (0.039 in.)
4WD	STD	6.0 mm (0.236 in.)
	Limit	1.0 mm (0.039 in.)
Rear brake drum to shoe clearance		0.6 mm (0.024 in.)
Parking brake lever travel at 196 N (20 kgf, 44 lbf)		
2WD		12–18 clicks
4WD		11–17 clicks

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 line union nut	15	155	11
Brake booster clevis lock nut	25	260	19
Brake booster X Pedal bracket	13	130	9
Front disc brake caliper sliding pin 2WD	88	900	65
Torque plate X Steering knuckle 2WD	108	1,100	80
Front brake caliper X Steering knuckle 4WD	123	1,250	90
Rear brake wheel cylinder X Backing plate	10	100	7
Duo-servo type	14	145	10
Bleeder plug	11	110	8
LSP & BV (LSPV) bracket X Frame	19	195	14
LSP & BV (LSPV) X LSP & BV (LSPV) bracket	13	130	9
LSP & BV (LSPV) spring X LSP & BV (LSPV) bracket	18	185	13
LSP & BV (LSPV) spring X Shackle	18	185	13
LSP & BV (LSPV) shackle lock nut	25	250	18
LSP & BV (LSPV) shackle X Shackle bracket	13	130	9
LSP & BV (LSPV) shackle bracket X Rear axle housing	19	195	14
ABS actuator X PS pressure line	47	475	34
ABS actuator X ABS actuator bracket	13	130	9
ABS actuator bracket X Frame	28	290	21
Speed sensor installation bolt	19	195	14
Speed sensor wire harness X Clamp bracket	19	195	14
Clamp bracket X Rear differential	19	195	14
Deceleration sensor X Body	5.4	55	48 in.·lbf