

BRAKE SYSTEM

Specifications

Brake pedal	Pedal height (from asphalt sheet)				
		2WD	148 - 153 mm	5.83 - 6.02 in.	
		4WD	145 - 150 mm	5.71 - 5.91 in.	
	Stop light switch to pedal clearance		0.5 - 2.4 mm	0.02 - 0.09 in.	
	Pedal freeplay		3 - 6 mm	0.12 - 0.24 in.	
	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			
		1 ton	More than 75 mm (2.95 in.)		
		1/2 ton	More than 65 mm (2.56 in.)		
		C & C			
		SRW	More than 75 mm (2.95 in.)		
		DRW	More than 55 mm (2.17 in.)		
	4WD		More than 65 mm (2.56 in.)		
Brake booster	Booster push rod piston clearance				
	w/ SST		0 mm	0 in.	
Front disc brake	PD 60, 66 type				
	Disc thickness				
		PD 60 type	STD	25.0 mm	0.984 in.
			Limit	23.0 mm	0.906 in.
		PD 66 type	STD	30.0 mm	1.181 in.
			Limit	28.0 mm	1.102 in.
	Disc runout				
		PD 60 type	Limit	0.09 mm	0.0035 in.
		PD 66 type	Limit	0.12 mm	0.0047 in.
	Pad thickness				
		PD 60 type	STD	9.5 mm	0.374 in.
			Limit	1.0 mm	0.039 in.
		PD 66 type	STD	9.7 mm	0.382 in.
			Limit	1.0 mm	0.039 in.
	FS 17, 18 type				
	Disc thickness		STD	22.0 mm	0.866 in.
			Limit	20.0 mm	0.787 in.
	Disc runout		Limit	0.09 mm	0.0035 in.
	Pad thickness				
		FS 17 type	STD	9.5 mm	0.374 in.
			Limit	1.0 mm	0.039 in.
		FS 18 type	STD	10.0 mm	0.394 in.
			Limit	1.0 mm	0.039 in.
S12 + 12 type					
Disc thickness		STD	20.0 mm	0.787 in.	
		Limit	18.0 mm	0.709 in.	
Disc runout		Limit	0.09 mm	0.0035 in.	
Pad thickness		STD	9.5 mm	0.374 in.	
		Limit	1.5 mm	0.059 in.	

Specifications (Cont'd)

Rear brake	2WD Drum inner diameter	STD	254.0 mm	10.000 in.
		Limit	256.0 mm	10.079 in.
	Lining thickness	STD	5.0 mm	0.197 in.
		Limit	1.0 mm	0.039 in.
	4WD Drum inner diameter	STD	295.0 mm	11.614 in.
		Limit	297.0 mm	11.693 in.
		STD	6.0 mm	0.236 in.
		Limit	1.0 mm	0.039 in.
Parking brake	2W D	1/2 ton	12 - 18 clicks	
		1 ton	11 - 17 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 tube union nut	15	155	11
Brake booster clevis lock nut	25	260	19
Brake booster x Pedal bracket	13	130	9
Front brake wheel cylinder x Backing plate	18	185	13
Front brake cylinder installation bolt (PD 60, 66 type disc)	39	400	29
Front brake cylinder sliding pin (FS 17, 18 type disc)	88	900	65
Torque plate x Steering knuckle	108	1,100	80
2WD		1,250	90
4WD			
Rear brake wheel cylinder x Backing plate	10	100	7
Leading-trailing type			
Duo-servo type			
Bleeder plug	14	145	10
LSP & BV (LSPV) bracket x Frame	11	110	8
LSP & BV (LSPV) bracket x LSP & BV (LSPV) bracket	19	195	14
LSP & BV (LSPV) spring x LSP & BV (LSPV) bracket	13	130	9
LSP & BV (LSPV) spring x Shackle	18	185	13
LSP & BV (LSPV) shackle lock nut	18	185	13
LSP & BV (LSPV) shackle x Shackle bracket	25	250	18
LSP & BV (LSPV) shackle bracket x Rear axle housing	13	130	9
Brake actuator x PS pressure line	19	195	14
Brake actuator x Actuator bracket	47	475	34
Actuator bracket x Frame	13	130	9
Speed sensor x Rear differential	28	290	21
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