BRAKE SYSTEM

Specifications

Brake pedal	Pedal height (from asphalt sheet)		161 – 171 mm	6.34 – 6.73 in.
	Pedal freeplay		3 – 6 mm	0.12 – 0.24 in.
	Pedal reserve distance at 50 kg (110.2 lb, 490 N)			
	Front disc type		More than 68 mm (2.68 in.)	
	Front drum type			
	• Heavy-duty			
	70, 73 series		More than 100 mm (3.94 in.)	
	75 series		More than 90 mm (3.54 in.)	
	• Light-duty		More than 105 mm (4.13 in.)	
Brake booster	Booster push rod to piston clearance			
	at Idling vacuum		0.1 – 0.5 mm	0.004 – 0.020 in.
	w/ SST		0 mm	0 in.
Vacuum pump	Blade	Height	16.50 mm	0.6496 in.
		Width	4.95 mm	0.1949 in.
		Lengh	44.96 mm	1.7701 in.
	Rotation play		1.0 mm	0.039 in.
Front brake (Drum)	Drum inside diameter			
	• Heavy-duty	STD	295.0 mm	11.614 in.
		Limit	297.0 mm	11.693 in.
	• Light-duty	STD	279.4 mm	11.000 in.
		Limit	281.4 mm	11.079 in.
Front brake (Dsic)	Pad thickness STD		9.5 mm	0.374 in.
	Limit	(Australia)	4.0 mm	0.157 in.
		(Ex. Australia)	1.0 mm	0.039 in.
	Disc thickness			
	• Light-duty rear drum	STD	12.5 mm	0.492 in.
		Limit	11.5 mm	0.453 in.
	• Ex. above model	STD	20.0 mm	0.787 in.
		Limit	18.0 mm	0.709 in.
	Disc runout	Limit	0.15 mm	0.0059 in.
Rear brake (Drum)	Drum inside diameter			
	• Heavy-duty	STD	295.0 mm	11.614 in.
		Limit	297.0 mm	11.693 in.
	• Light-duty	STD	254.0 mm	10.000 in.
		Limit	256.0 mm	10.079 in.
	Lining thickness			
	• Heavy-duty	STD	6.5 mm	0.256 in.
		Limit	1.5 mm	0.059 in.
	• Light-duty	STD	5.0 mm	0.197 in.
		Limit	1.0 mm	0.039 in.
Rear brake (Disc)	Pad thickness	STD	10.0 mm	0.394 in.
		Limit	1.0 mm	0.039 in.
	Disc thickness	STD	18.0 mm	0.710 in.
		Limit	16.0 mm	0.630 in.
	Disc runout	Limit	0.15 mm	0.0059 in.
Parking brake	Rear disc inner diameter	STD	210 mm	8.27 in.
		Limit	211 mm	8.31 in.
	Lining thickness	STD	4.0 mm	0.157 in.
		Limit	1.0 mm	0.039 in.
	Lever travel at 20 kg (44.1 lb, 196 N)		7 – 9 clicks	
	Clearance between rear shoe and lever		Less than 0.35 mm (0.0138 in.)	
	Adjusting shim thickness		0.3 mm	0.012 in.
			0.6 mm	0.024 in.
			0.9 mm	0.035 in.

Torque Specifications

Part tightened	kg-cm	ft-lb	N·m
Bleeder plug	110	8	11
Piston stopper bolt × Master cylinder	100	7	10
Outlet plug × Master cylinder	450	33	44
Reservoir set bolt × Master cylinder	250	18	25
Master cylinder × Brake booster	130	9	13
Brake tube union nut	155	11	15
Brake booster × Pedal bracket	130	9	13
Brake booster clevis lock nut	375	27	37
Vacuum pump × Check valve	750	54	74
Vacuum pump × Engine	400	29	39
Vacuum pump end cover × Casing	80	69 in.-lb	7.8
Vacuum pump gear × Rotor shaft	1,125	81	110
Vacuum pump union bolt	140	10	14
Backing plate × Steering knuckle	1,100	80	108
Wheel cylinder × Backing plate	185	13	18
Wheel cylinder × Brake tube	155	11	15
Brake drum × Axle hub	70	61 in.-lb	6.9
Front brake wheel cylinder × Backing plate	185	13	18
Front brake tube clamp	80	69 in.-lb	7.8
Front disc × Front axle hub	475	34	47
Front disc brake cylinder × Steering knuckle	1,250	90	123
Drum brake backing plate × Rear axle housing	1,250	90	123
Parking brake bellcrank bracket × Backing plate	130	9	13
Rear brake wheel cylinder × Backing plate	100	7	10
Rear disc brake torque plate × Axle carrier	475	34	47
Rear disc brake cylinder installation bolt	255	18	25
LSP & BV bracket × Frame	195	14	19
LSP & BV × LSP & BV bracket	130	9	13
LSP & BV spring × LSP & BV bracket	185	13	18
LSP & BV spring × Shackle No.1	185	13	18
LSP & BV shackle lock nut	250	18	25
LSP & BV shackle × Shackle bracket	130	9	13
LSP & BV shackle bracket × Rear axle housing	195	14	19