SERVICE SPECIFICATIONS

SERVICE DATA

BR0M6—01

Brake pedal height from asphalt sheet	EX Grade	169.2 — 179.2 mm (6.66 — 7.06 in.)
Brake pedal height from asphalt sheet	Ex. EX Grade	172.2 — 182.2 mm (6.78 — 7.17 in.)
Brake pedal freeplay		1 — 6 mm (0.04 — 0.24 in.)
Brake pedal reserve distance at 490 N (50 kgf, 110.2 lbf)		More than 90 mm (3.54 in.)
Brake booster push rod to piston clearance (w/ SST)		0.2 mm (0.008 in.)
Vacuum pump blade height	Minimum	16.5 mm (0.6496 in.)
Vacuum pump blade width	Minimum	4.95 mm (0.1949 in.)
Vacuum pump blade length	Minimum	16.5 mm (1.7701 in.)
Front brake lining thickness	STD	10.2 mm (0.402 in.)
Front brake lining thickness	Limit	4.2 mm (0.165 in.)
Front brake drum inside diameter	STD	320.0 mm (12.60 in.)
Front brake drum inside diameter	Limit	322.0 mm (12.68 in.)
Front brake pad thickness	STD	14.0 mm (0.551 in.)
Front brake pad thickness	Limit	1.0 mm (0.04 in.)
Front brake disc thickness	STD	35.0 mm (1.378 in.)
Front brake disc thickness	Limit	32.0 mm (1.299 in.)
Front brake disc runout	Limit	0.12 mm (0.0047 in.)
Rear brake lining thickness	STD	10.2 mm (0.402 in.)
Rear brake lining thickness	Limit	4.2 mm (0.165 in.)
Rear brake drum inside diameter	STD	320.0 mm (12.60 in.)
Rear brake drum inside diameter	Limit	322.0 mm (12.68 in.)
Parking brake lining thickness (6.3 in. Type)	STD	4.0 mm (0.157 in.)
Parking brake lining thickness (6.3 in. Type)	Limit	1.5 mm (0.059 in.)
Parking brake lining thickness (7.9 in. Type)	STD	3.8 mm (0.150 in.)
Parking brake lining thickness (7.9 in. Type)	Limit	1.5 mm (0.059 in.)
Parking brake inside thickness (6.3 in. Type)	STD	160 mm (6.299 in.)
Parking brake inside thickness (6.3 in. Type)	Limit	161 mm (6.339 in.)
Parking brake inside thickness (7.9 in. Type)	STD	200 mm (7.87 in.)
Parking brake inside thickness (7.9 in. Type)	Limit	201 mm (7.91 in.)
Parking brake lever travel at 245 N (25 kgf, 55 lbf)		6 — 8 clicks
Exhaust retarder valve body clearance	3B and 14B	0.1 — 0.4 mm (0.004 — 0.016 in.)
Exhaust retarder valve body clearance	1HZ	0.2 — 0.3 mm (0.008 — 0.012 in.)
Exhaust retarder opening angle		90 °

TORQUE SPECIFICATIONS

BR0MP-01

Part tightened		N·m	kgf·cm	ft·lbf
Master cylinder x Piston stopper bolt		10	100	7
Master cylinder x Outlet plug		67	685	50
Master cylinder x Brake booster		13	130	9
Brake line union nut	M10	15	155	11
Brake line union nut	M12	24	245	18
Brake booster clevis lock nut		25	260	19
Brake booster x Pedal bracket		13	130	9
Vacuum pump x Engine		39	400	29
Vacuum pump x Check valve		74	750	54
Vacuum pump x Vacuum union		14	140	10
Vacuum pump x Oil tube union		20	200	14
Vacuum pump casing x End cover		7.8	80	69 in.·lbf
Vacuum pump x Gear		110	1,125	81
Bleeder plug		11	110	8
Front brake backing plate x Steering knuckle		185	1,900	136
Front brake backing plate x wheel cylinder		61	620	45
Front brake drum x Axle hub		167	1,700	123
Brake line x Wheel cylinder		15	155	11
Brake hose union x Wheel cylinder		30	310	22
Front brake caliper x Torque plate	Outer side	16	160	12
Front brake caliper x Torque plate	Inner side	78	800	58
Front disc brake torque plate x Steering knuckle	Upper side	245	2,500	181
Front disc brake torque plate x Steering knuckle	Lower side	265	2,700	195
Front brake disc x Axle hub		167	1,700	123
Front brake caliper x Brake hose union		30	310	22
Rear brake backing plate x Axle housing		185	1,900	136
Rear brake backing plate x Wheel cylinder		61	620	45
Rear brake drum x Axle hub		160	1,630	118
Parking brake backing plate x Transmission		47	475	34
Parking brake drum lock nut		127	1,300	94
Parking brake drum x Propeller shaft		88	900	65
LSP & BV bracket x Frame		25	260	18
LSP & BV bracket x LSP & BV body		13	130	9
LSP & BV bracket x LSP & BV spring		18	185	13
LSP & BV spring x Shackle No.1		18	185	13
Shackle lock nut		25	250	18
Shackle No.2 x Shackle bracket		13	130	9
Shackle bracket x Axle housing		19	195	14
Exhaust retarder solenoid x Frame		13	130	9
Exhaust retarder solenoid x Union		14	140	10
Power chamber x Bracket		13	130	9
Exhaust retarder body x Bracket		13	130	9
Exhaust retarder clevis lock nut		13	130	9