

CHAPTER 5: BRAKE SYSTEM

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5-1: BRAKE SYSTEM SPECIFICATIONS AND STANDARDS

| | | SEDAN | CUSTOM |
|--|-------------------------------|--|-----------------|
| Brake Type | Front | Two-leading | (same as sedan) |
| | Rear | Leading and trailing shoes | " |
| | Pedal | Hydraulic on 4 wheels | " |
| | Hand (parking) | Mechanical on rear wheels | " |
| Master Cylinder | Body Material | Cast Aluminum Alloy | " |
| | Piston Material | Zinc Die-cast | " |
| | Inside Diameter | 19.05 mm (0.75 in) | " |
| Clearance between and Piston | Master Cylinder | 0.019-0.086 mm (0.0007-0.0034 in) | " |
| Front Wheel Cyl. | Material | Cast Aluminum Alloy | " |
| | Inner Diameter | 20.64 mm (13/16") | " |
| Rear Wheel Cyl. | Material | Cast Aluminum Alloy | " |
| | Inner Diameter | 17.46 mm (11/16") | " |
| Brake Drum | (front & rear) | 170 mm (6.69 in) | " |
| | Inner Diameter (Usable limit) | 170.5 mm (6.71 in) | " |
| Brake Drum | (front & rear) | | " |
| | Eccentricity | Under 0.05mm (0.0020in) | |
| Thickness at Brake Steel Pipe Opening | | Over 1.3mm - 1.5mm (0.05in - 0.059in) | " |
| Tightening Torque at Tapered Union | | 1.5-2.0 kg-m (10.9-14.4 lb-ft) | " |
| Tightening Torque of Union Bolt through flat Packing | | 1.2-2.2 kg-m (9.8-15.9 lb-ft) | " |
| Brake Lining Thickness | After bonding and finishing | 4.8 mm (0.19 in) | " |
| | (all brakes) For servicing | 5.0 mm (0.20 in) | " |

| | | | |
|---|--------------|---------------------------------------|-----------------|
| Brake Lining | Usable Limit | 1.0 mm (0.04 in) | (same as sedan) |
| | Width | 30 mm (1.18 in) | " |
| | Length-Front | 156 mm (6.14 in) | " |
| | Rear | 180 mm (7.09 in) | " |
| | Installation | Bonding | " |
| Clearance between Brake Lining and Drum | | 0.1-0.15 mm (0.004-0.006 in) | " |
| Brake Oil Volume (To oil tank level mark) | | 0.45 (0.95 US pt) (0.79 Imp pt) | " |
| Brake Pedal Play | | 20-25 mm (0.79-0.98 in) | " |
| Brake Pedal Play Adjustment Limit | | 40-50 mm (1.57-1.97 in) | " |
| Clearance between Pedal Bushing and Shaft | | 0.020-0.083 mm (0.0008-0.0083 in) | " |
| Adjustment Standard for Pulling Range of Hand Brake | | 3 to 4 steps | " |
| Hand Brake Cable Diameter | | 2.5 mm (0.1 in) | " |
| Hand Brake Cable Length | Right Side | 971 mm | " |
| | Left Side | 925 mm | " |