

## CHAPTER 12: STANDARD ADJUSTMENT TABLE

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CHAPTER 12: STANDARD ADJUSTMENT TABLE

12-1: MAINTENANCE STANDARDS

(A) SUSPENSION					
ITEM	ASSEMBLING STANDARDS	ADJUSTMENT LIMIT	USABLE LIMIT	MILEAGE FOR INSPECTION	REMARKS
1) Front :- Center Spring free length compressed length effective layers  Torsion Bar effective length diameter inner serration outer serration  Oil Damper damping force	113 mm (4.30in) 97.7mm (3.83in) 4.2  435 mm (17.1in) 18.0mm (0.71in) 0.75/0.375x27 0.75/0.375x30	extension side 0.3m/s 146kg compression side 0.3m/s 55kg			maximum load (764kg)
2) Rear :- Torsion Bar effective length diameter; SEDAN CUSTOM inner serration outer serration	427 mm 17.6mm 20.5mm 0.75/0.375x34 0.75/0.375x37				

<p>Oil Damper damping force; SEDAN CUSTOM</p>	<p>extension side 0.3m/s 60kg compression side 0 extension side 0.3m/s 60+8kg compression side 0</p>		
<p>3) Tire:- Rim Size Tire Size:- SEDAN CUSTOM</p>	<p>3.00D x 10 4.80-10-2ply 4.50-10-4ply TR244</p>		
<p>Valve Tire Pressure front; SEDAN CUSTOM rear; SEDAN CUSTOM spare; SEDAN CUSTOM</p>	<p>0.85-0.99kg/cm<sup>2</sup> 0.90-1.00kg/cm<sup>2</sup> 1.70-1.85kg/cm<sup>2</sup> 1.90-2.00kg/cm<sup>2</sup> 1.85 kg/cm<sup>2</sup> 2.00 kg/cm<sup>2</sup></p>		
<p>Tire Width; SEDAN CUSTOM</p>	<p>121mm (at 1.7kg/cm<sup>2</sup> internal pressure) 122mm (24 2.4kg/cm<sup>2</sup> internal pressure)</p>		

(B) AXLE					
ITEM	ASSEMBLING STANDARDS	ADJUSTMENT LIMIT	USABLE LIMIT	MILEAGE FOR INSPECTION	REMARKS
1) Front Axle Alignment toe-in camber angle	12-16 mm 1°30'-2°		Check and adjust every 12,000km.		When checking these items, adjust the tire pressure to the standard value and keep the ground height of the center of the torsion bar as follows: FRONT: 320 $\pm$ 5 mm REAR: 245 $\pm$ 5 mm
Knuckle Kingpin & Related Parts kingpin outside diameter clearance between kingpin and bushing play of kingpin in the direction of shaft	14 mm Assemble so that kingpin turns freely without play	0.1-0.15mm			Adjustment shims are furnished in five thickness: 0.1, 0.2, 0.25, 0.35 & 0.4mm
Brake System drum bearing; inside (#30204) outside(#30203)					Lubricate every 12,000km. Always sufficient amount of grease 18-20gr. Be especially careful not to supply grease excessively to the left side. When inspecting at first 1,000km, check for wear of bearing. Excessive wear of bearing creates play in direction of shaft.

<p>tightening of drum bearing</p> <p>2) Rear Axle Tightening amount of spline of drum and rear axle Hub Bearing inside (#6206) outside(#6205)</p>	<p>Loosen nut by 1/6-1/8 turn from position where it is fully tightend, and bend edge of washer. The starting torque after tightening in this case is 7-10 cm-kg most appropriately.</p> <p>-0.003-0.020mm</p>	<p>Disassemble and lubricate every 12,000km.</p>	<p>Always keep sufficient amount of grease 35-40gr</p>
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(C) BRAKE SYSTEM	ITEM	ASSEMBLING STANDARDS	ADJUSTMENT LIMIT	USABLE LIMIT	MILEAGE FOR INSPECTION	REMARKS
1) Master Cylinder	Inside diameter Clearance between master cylinder and piston	19.05mm 0.019-0.086mm				
2) Wheel Cylinder	Inside diameter front rear	20.64mm 17.46mm				
3) Brake Drum	Inside diameter Eccentricity	170 mm Less than 0.05mm		170.5mm		

<p>4) Brake Lining Thickness Width Length front rear</p>	<p>5.0mm 30.0mm 156.0mm 180.0mm</p>				
<p>5) Brake Fluid Quantity</p>	<p>0.45 (L)</p>				<p>Supply brake fluid until level reaches indication line on tank.</p>
<p>6) Brake Pedal Play of Brake Pedal Clearance between Bushing and Shaft</p>	<p>20-25mm 0.020-0.083mm</p>	<p>40-50mm</p>			
<p>7) Tightening Torque of Union Bolt (Brake Rubber Hose)</p>	<p>1.2-1.8 kg-m</p>				
<p>8) Hand Brake Pulling range Cable diameter Cable length right left</p>	<p>3-4 notches 2.5 <math>\phi</math> 971mm 925mm</p>				

(D) STEERING SYSTEM

ITEM	ASSEMBLING STANDARDS	ADJUSTMENT LIMIT	USABLE LIMIT	MILEAGE FOR INSPECTION	REMARKS
1) Play of Steering Wheel	Less than 20mm On the periphery				
2) Steering Angle Inner	36°				
Outer	27°				
3) Turning Radius (Minimum)	4m				
4) Turning Torque of Steering Shaft	Less than 11 kg-cm				
5) Gap in Horn Contact Point	1.1m				
6) Clearance between Rack and Bushing	0.061-0.073mm	0.20mm	0.35mm		Adjust the backlash to 0mm.
7) Clearance between Pinion and Bushing	0.055-0.097mm		0.35mm		
8) Clearance between Rack Socket and Bushing	0.1-0.252mm		0.35mm		
9) Gap of Pinion Shaft in direction of shaft	0.1-0.2mm		0.4mm		