

Fig. 4.86 Disassembling brake shoes
① Brake shoe spring ② Brake shoe

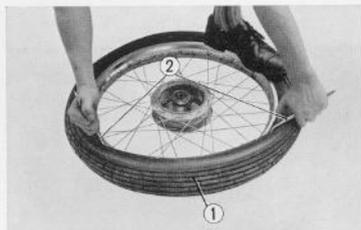


Fig. 4.87 Removing tire ① Tire ② Tire lever

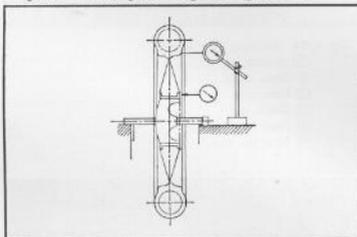


Fig. 4.88 Measuring wheel runout

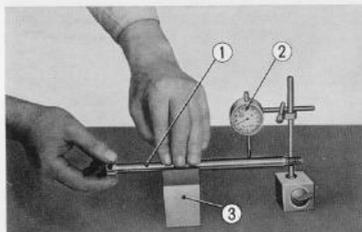


Fig. 4.89 Measuring bend of axle
① Front axle ② Dial gauge
③ V block measuring bend at axle

C. Inspection

1. Check the rim for both vertical and side runout.

Item	Standard value	Serviceable limit
Side runout	0.7~1.0 (0.028~0.040 in)	Repair if over 1.0 (0.040 in)
Vertical runout	0.5 max (0.020 in)	Repair if over 1.0 (0.040 in)

2. Check the front axle for wear and bend. (Fig. 4.89)

Item	Standard value	Serviceable limit
Diameter	9.995~10.050 (0.394~0.396 in)	---
Bend	0.2 (0.008 in)	Repair or replace if over 0.5 (0.020 in)

3. Check brake shoe spring.

Item	Standard value	Serviceable limit
Free length	28.7 (1.131 in)	Replace if over 33.0 (1.3 in)

4. Check the brake shoes. (Fig. 4.90)

Item	Standard value	Serviceable limit
Outside diameter	109.2~109.5 (4.2992~ 4.3110 in)	Replace if under 107.5 (4.2323 in)
Lining thickness	4 (0.1575 in)	Replace if under 3 (0.1181 in)

5. Check the thickness of the front brake cam.
Standard value : 6 mm (0.236 in)
Serviceable limits : Replace if excessively worn, deformed or damaged.
6. Check the spokes for tightness.
Retorque any spokes found loose, 4~21 kg·cm (0.3~1.5 ft. lbs.)
7. Inspect the tube for leaks by inflating, submerge in water, and check for bubbles.
8. Inspect the tire both on the inside as well as the outside for damages and imbedded nails.