

- 9) Remove the oil seal, ball bearings (see below), and the distance collar from the rear wheel hub.

Ball bearings

CB100, CD100 #6202R and 6302R one

CB125S, CD125S each

SL100, SL125 #6302R two each

B. Inspection

- 1) Check for bend in the rear axle.
- 2) Check bearing for wear.
- 3) Check rim runout using a dial gauge.

Item	Standard value	Serviceable limit
Side runout	0.5mm max. (0.0197 in.) max.	3.0mm (0.1181 in.)

True the wheel rim by tightening the spokes if beyond the serviceable limit. If damaged or excessively bent, replace with new one.

- 4) Check wear of brake drum using a caliper. (Fig. 112)

Item	Standard value	Serviceable limit	
Drum inside diameter	CB100 CL100 CB125S CD125S	109.8~110.2mm (4.3229~4.3385in)	112mm (4.4094in.)
	SL100 SL125	110.0~110.3mm (4.3307~4.3425)	

Replace if beyond the serviceable limit.

- 5) Check wear of brake lining. (Fig. 113)

Item	Standard value	Serviceable limit
Lining thickness	3.9~4.1mm (0.1535~0.1614 in.)	2mm (0.0787 in.)

Replace if beyond the serviceable limit.

- 6) Check the spokes for damage, bent and loosening. Tighten the loose spokes, straighten the bent spokes and replace the broken spokes with new one. (Fig. 114)
- 7) Check the brake panel for buckling and other damages. If damaged, replace with new one.
- 8) Check the oil seal for damage, buckling and wear. If worn or damaged, replace with new one.
- 9) Check the tire for damage, and imbedding of wire and nails on both the exterior and interior. If worn or damaged, replace with new one. The tire pressure should be **2.0 kg/cm² (28 psi)**.
- 10) Check for air leaks around the valve stem and tube. If leaking, repair or replace with new one.

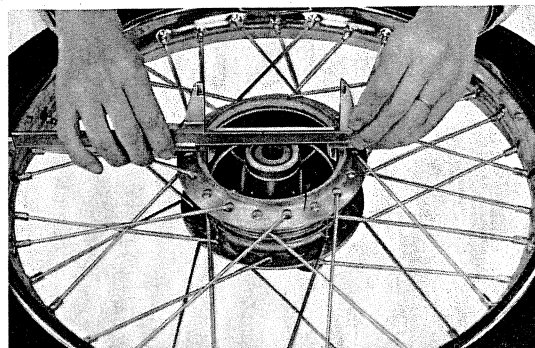


Fig. 112 Rear brake drum measurement

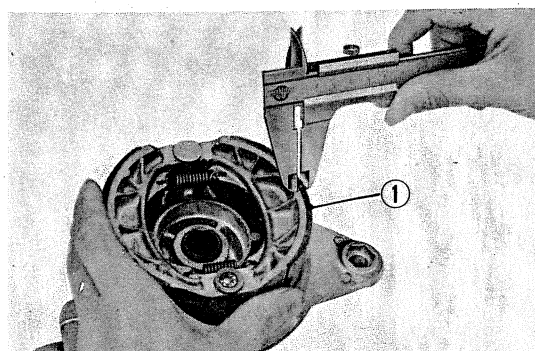


Fig. 113 Brake lining measurement
① Brake lining

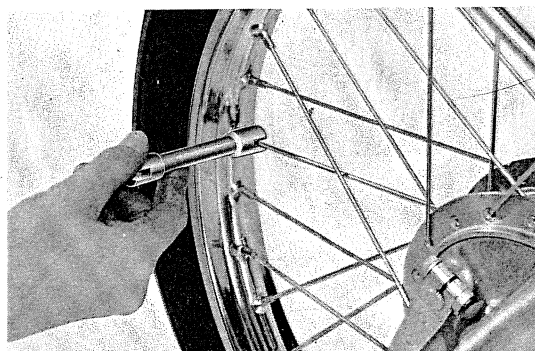


Fig. 114 Spoke retightening

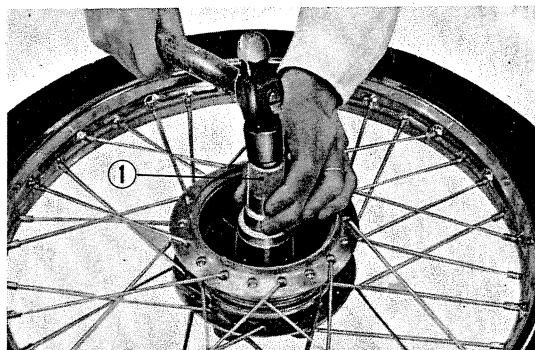


Fig. 115 Ball bearings installation
① Ball bearing driver