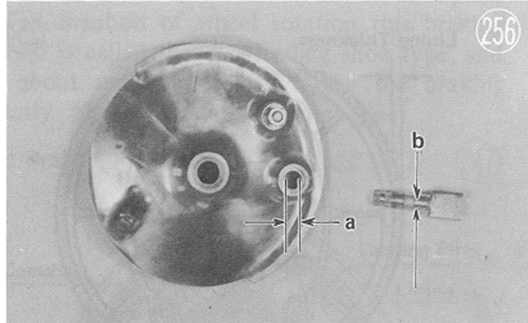


d. Brake Cam Shaft Play

As the cam shaft and cam shaft hole wear, play develops, the brake shoes are not expanded effectively, and positive braking action is not ensured. Measure the diameter of the cam shaft and the inside diameter of the cam shaft hole in the brake panel. If clearance is excessive, replace the cam shaft and brake panel as a set.



e. Ventilator (H1 only)

Dust and dirt entering through the ventilator opening, in addition to dust produced from brake shoe/drum friction, reduces braking efficiency and scratches the braking surface if it gets between the shoes and drum. Remove any foreign matter that has collected.

f. Bearings

Excessive bearing clearance or damage will cause wheel vibration and bearing noise. Clean the bearing with gasoline and check that there is no rust on the race or balls; ascertain that clearance is not excessive; oil the bearing and spin it to check that it turns smoothly.

g. Oil Seals

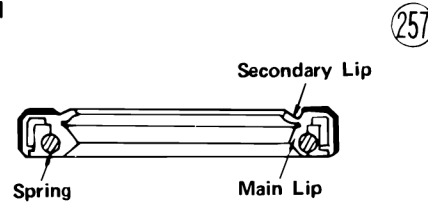
As Fig. 277 shows, the oil seal is constructed from a metal ring, spring and packing. The main lip of the seal prevents the lubrication grease from leaking out from inside the hub, and the auxilliary lip keeps dirt and water from contaminating the grease and damaging the bearing.

(1) Replace the oil seal if the lips are misshapen or otherwise damaged.

(2) If the seal lips have hardened and developed clearance, dust will be allowed to reach the bearing. If the lips have hardened, or deteriorated and changed in color, replace the seal.

(3) If the metal ring is misshapen or cut, replace the seal.

Oil Seal



h. Shock Dampers

Inspect the shock damper rubber and replace it if it is shrunken or cracked. If the rubber is shrunken, a gap is formed between the damper and brake drum; when power is transmitted to the rear wheel it is received with a jolt due to the gap, and thus buffering action is lost.

i. Rear Sprocket

Worn sprocket teeth will cause the chain to slip off under power, or break. Measure the sprocket diameter at the base of the teeth and if it is worn out of tolerance, replace the sprocket together with the chain. Also replace the sprocket and chain if the teeth are badly worn on one side.

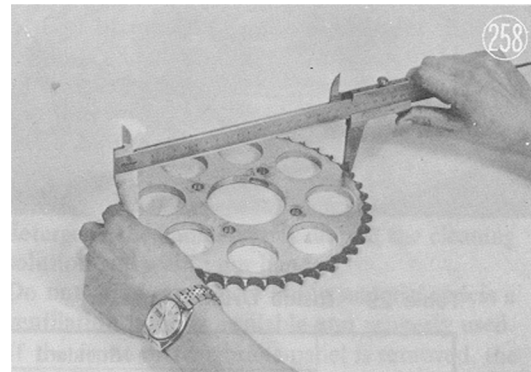


Table 32 Brake Cam Shaft Clearance*

*Same values apply to front and rear.

Measurement	Standard	H1	Maximum	Standard	H2	Maximum
	Shaft hole dia.	.5906" – .5916" (15.000 – 15.027 mm)	.6004" (15.25 mm)		.6693" – .6704" (17.000 – 17.027 mm)	.6791" (17.25 mm)
Cam shaft dia.	.5899" – .5889" (14.984 – 14.957 mm)	.5807" (14.75 mm)		.6687" – .6676" (16.984 – 16.957 mm)	.6594" (16.75 mm)	
Clearance	.0008" – .0028" (0.02 – 0.07 mm)	.0197" (0.50 mm)		Same as H1		

Table 33 Rear Sprocket Diameter

Model	No. of Teeth	Dia. at base of teeth	
		Standard	Limit
H1	45	8.56 in. (217.4 mm)	8.48 in. (215.5 mm)
H2	47	8.96 in. (227.5 mm)	8.88 in. (225.5 mm)