

10. Remove the two cotter pin, washer and then the rear brake shoes can be removed from the rear brake panel. (Fig. 13-20)

### c. Inspection

1. Rear brake lining  
Refer to section 14-3 c on page 148.
2. Rear brake shoes  
Refer to section 14-3 c on page 148.
3. Wheel ball bearing (Fig. 13-8)  
Measure the axial and diametrical runout of the ball bearing with a dial gauge. If the value is over serviceable limit listed below the ball bearing should be replaced.

Item	Serviceable limit
Axial runout	0.004 in. (0.1 mm)
Diametrical runout	0.002 in. (0.05 mm)

### d. Reassembly

1. Install the rear brake shoes on the rear brake panel and install the washer, two cotter pins and bend the pins.
2. Clean the inside of the drum so that it is free of oil, dust and other foreign objects, and then install the brake panel.
3. Mount the bearing retainer on the wheel hub, install the driven sprocket with the mounting nuts and bend up the tab on the locking washer to prevent loosening.
4. Install the rear wheel on the frame.
5. Assemble the torque link bolt, washers, nut and lock pin on the rear brake panel. Install the brake lever rod on the brake arm and install the brake adjusting nut.
6. Adjust the drive chain tension with the adjuster bolt so that there is a slack of **0.40 to 0.80 in. (10~20 mm)**, at the center of the chain. After completing the adjustment tighten the axle nut and lock with a cotter pin. (Fig. 13-21)
7. Adjust rear brake pedal free play. (refer to page 48).

**Note:** At any time the front or rear wheel is removed, take the opportunity to thoroughly inspect the suspension components, brake friction linings and wheel assemblies. Pay particular attention to the condition of the wheel bearings, wheel rim, tire bead seating and spoke tension.

8. Balance the wheel  
Perform the balancing in the following procedures. (Fig. 13-22)
  - a. Raise the wheel off the ground and lightly rotate.
  - b. Lightly attach an appropriate weight on the spoke adjacent to the nipple which stop at the highest position. Weights are available in four types, 5 gr, 10 gr, 15 gr and 20 gr.
  - c. The wheel is in proper balance if the

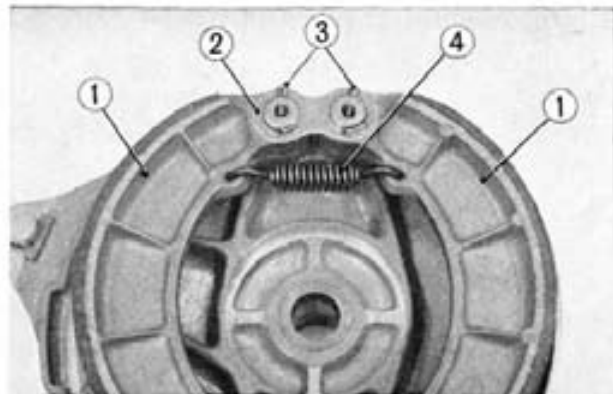


Fig. 13-20  
 ① Rear brake shoes      ③ 25×20 cotter pin  
 ② Anchor pin washer    ④ Brake shoe spring



Fig. 13-21

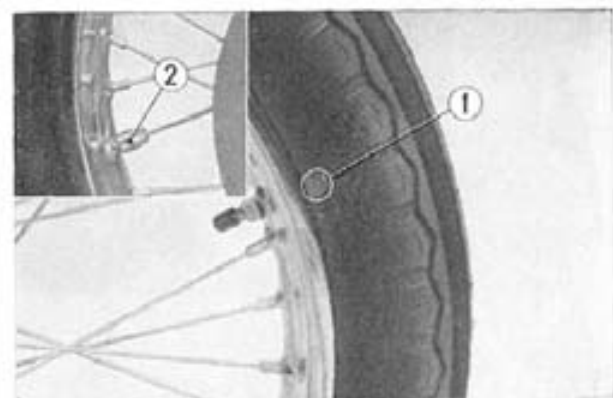


Fig. 13-22  
 ① Balance mark  
 ② Balance weight