

# **BSA SERVICE SHEET No. 309**

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## **B and M Group Models**

### **RIGID FRAME MODELS FITTED WITH TELESCOPIC FORKS**

### **ADJUSTMENT, DISMANTLING and RE-ASSEMBLY OF**

### **THE REAR HUB AND BRAKE**

#### **Rear Wheel Removal.**

The rear wheel is not of the quickly detachable type, and has a riveted up brake drum. To remove the wheel it is necessary to disconnect the rear chain and the rear brake-rod and release the spindle nuts. Next disconnect the tail lamp wire, and remove the detachable portion of the rear mudguard by unscrewing the two bolts adjacent to the rear lifting handle. The wheel can now be pulled out. If a rear wheel drive speedometer is fitted the cable must be disconnected before the wheel can be removed.

#### **Rear Hub.**

Taper roller bearings are fitted to the rear hub, and these can be adjusted by loosening the locknut A (Fig. B.21) and tightening or loosening the nut B as required. Both nuts are on the opposite side to the brake drum. Do not overtighten the adjusting nut for it is most important that a very slight amount of side play is permitted in the wheel rim, or very

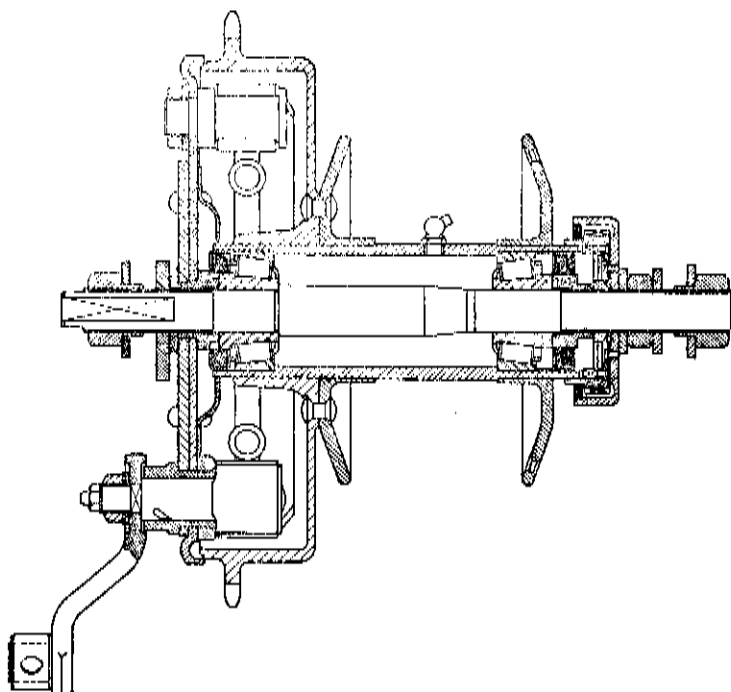


Fig. B20. Section of Rear Hub

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rapid wear will take place. Adjustment should be made so that  $\frac{1}{16}$  in. side play is apparent at the rim after the locknut has been finally tightened. It will be noted that, when fitted, the speedometer drive must be removed in order to gain access to the adjusting nut. Some M Group machines have a dust cover fitted in place of the speedometer drive gearbox.

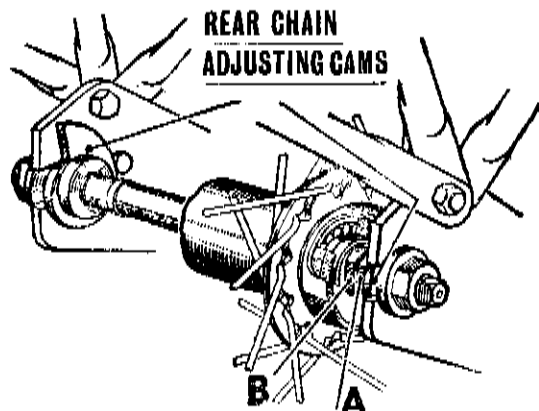


Fig. B21. Hub adjustment.

### Hub Dismantling.

Remove the bearing adjusting nut and locknut. Tap the spindle out of the hub, towards the brake drum side, with a hide or copper mallet. The outer bearings may then be removed with the aid of a suitable soft drift.

Hub assembly is carried out in the reverse order to the dismantling. Care should be taken, when replacing the outer bearings to ensure that they are tapped quite home so that they are square in the hub.

Full details of brake adjustment and dismantling are given in Service Sheet 212A.