

Fig. 3.77 Removing the primary driven gear  
 ① Primary driven gear  
 ② 20 mm circlip

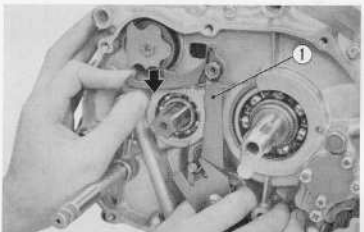


Fig. 3.78 Removing the gear shift spindle  
 ① Gear shift arm

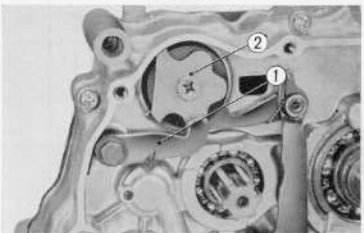


Fig. 3.79 Assembling shift drum stopper  
 ① Shift drum stopper  
 ② Shift drum stopper plate

rear of the pedal is depressed. The shift forks are fitted over the shift drum and guided in its linear movement by the cam groove on the surface of the shift drum into which the fork guide pins are inserted. Rotation of the drum shifts the forks to the right or left which in turn performs the gear shifting. A gear shift return spring returns the gear change pedal to its normal position after each gear change stroke. (Fig. 3.76)

#### B. Disassembly

1. Remove the clutch assembly in accordance with section 8.13 B.
2. Remove the primary driven gear ① by removing the 20 mm circlip. (Fig. 3.77)
3. Remove the shift drum stopper.

Pull out the gear shift spindle with the end of the shift arm engaging the shift drum held in the direction of arrow. (Fig. 3.78)

#### C. Inspection

1. Inspect the gear shift spindle, gear shift arm and gear shift forks for twist or bend.
2. Inspect the gear shift drum and guide pin for excessive wear.
3. Check the spring for breakage and proper tension.

#### D. Reassembly

1. Assemble the gear shift spindle in the reverse order of the sequence described in the disassembly section B above. After assembly, make sure that the operation is proper and also assure that the shift return spring pin is not bent.
2. Install the shift drum stopper ① and then assemble the driven gear. (Fig. 3.79)
3. Install the clutch unit and the right crankcase cover in accordance with section 3.8 D.