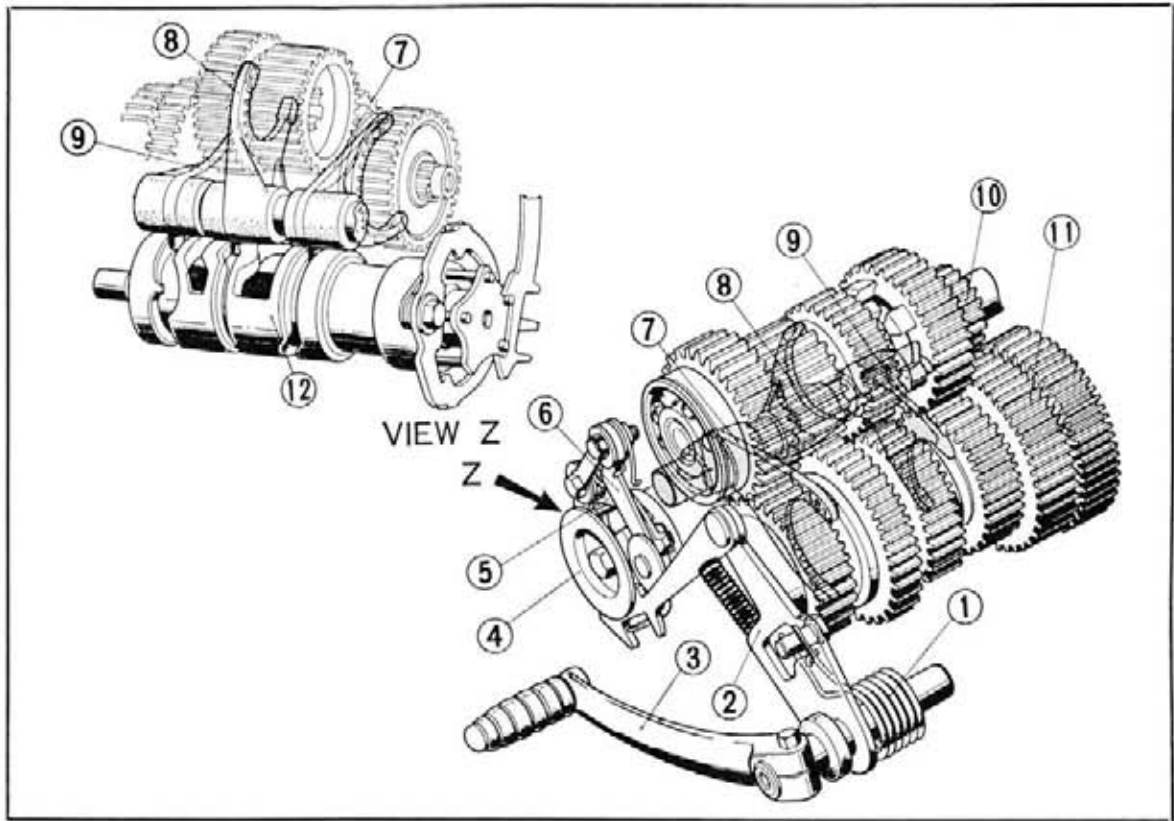


The gear shift mechanism consists of three gear shift forks, a gear shift drum, a gear shift arm, a shift drum stopper and a gear shift positive stopper.

When the gear change pedal is depressed the gear shift spindle rotates, causing the gear shift arm to rotate the shift drum. When the shift drum rotates, the shift forks move sideways by the cam action of groove cut on the shift drum body. (Fig. 5-2)



- |                            |                               |                             |
|----------------------------|-------------------------------|-----------------------------|
| ① Gear shift return spring | ⑤ Gear shift positive stopper | ⑨ Right gear shift fork     |
| ② Gear shift spindle       | ⑥ Shift drum stopper          | ⑩ Transmission mainshaft    |
| ③ Gear change pedal        | ⑦ Left gear shift fork        | ⑪ Transmission countershaft |
| ④ Gear shift side plate    | ⑧ Center gear shift fork      | ⑫ Gear shift drum           |

Fig. 5-2

## SPECIFICATIONS

Gear ratio	
1st (low)	2.500
2nd	1.708
3rd	1.333
4th	1.097
5th (top)	0.939
Primary reduction ratio	1.708
Secondary reduction ratio	1.167
Final reduction ratio	2.812