

Fig. 3, 89 Second gear

- ① Transmission mainshaft
- Mainshaft second gear
- (3) Mainshaft third gear
- Transmission countershaft
- (5) Countershaft second gear

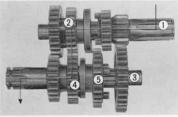


Fig. 3.90 Third gear

- ① Transmission mainshaft
- (2) Mainshaft third gear
- 3 Transmission countershaft
- (4) Countershaft third gear
- (5) Countershaft second goar

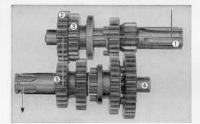


Fig. 3.91 Top gear

- (i) Transmission mainshaft
- (2) Mainshaft top gear
- (3) Mainshaft third gear
- (4) Transmisson countershaft
- (5) Top gear

Second: (Fig. 3.89)

The main shaft third gear ③ which is spline slide fitted to the main shaft ① is moved by the shift fork to lock with the second gear ② by means of a dog, thus permitting the transmission of power from the main shaft to the counter shaft ④ by meshing the main shaft second gear with the splined counter shaft second gear ⑤ hence to drive the sprocket.

Third: (Fig. 3. 90)

Top: (Fig. 3.91)

The main shaft third gear ③ is moved by the shift fock to lock with the free rotating top gear ② by means of a dog, thus permitting the transmission of power from the main shaft ① to the counter shaft by meshing the main shaft top gear ⑤ with the fixed counter shaft to drive the sprocket.