3.14 KICK STARTER AND GEAR INTERLOCK MECHANISM

In this system, where the kick starter pinion ② is engaged to the low gear ⑥, the kick or starting is light and easy, and the use of the transmission gear reduces the posibility of trouble.

As shown in **Fig. 3.108**, when the kick starter spindle ① is rotated by a kick, the kick starter ratchet flange ③, is rotated simultaneously.

The shaft of the kick starter ratchet flange slides down from the kick starter ratchet guide ④ and is pressed to the teeth of the kick starter pinion by the shaft spring ⑤. Power is transmitted to the countershaft low gear ⑥ from the kick starter pinion. ②

When the kick starter spindle returns after kicking as shown in **Fig. 3.109** the kick starter ratchet flange is pressed back by the kickstarter spring. The shaft rides on the kick starter ratchet guide and the kick starter pinion is freed.

Fig. 3.110 shows the gear interlock from the

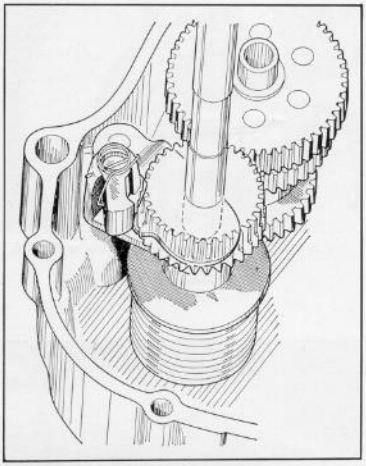

Fig. 3.109 Kick starter mechanism

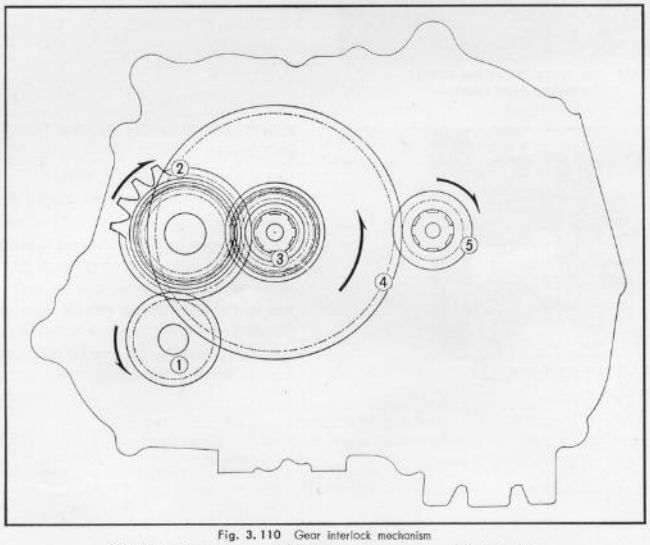

Fig. 3.110 Gear interlock mechanism

① Kick starter pinion ② Counter shaft low gear ③ Main shaft
④ Primary driven gear ⑤ Primary drive gear