

3. CLUTCH LIFTER THREAD

A. Description

The clutch lifter thread is located between the clutch lever and the clutch lifter rod. It transmits the action of the clutch lever to the clutch rod during starting and changing of the gears. In other words, the clutch lifter thread regulates the function of the clutch mechanism, and therefore, it indirectly affects the performance of the motorcycle. (Fig. 3-162)

B. Disassembly

1. Remove the left crankcase cover.
2. Remove the bolt from the adjuster fixing piece and the clutch lever spring. The clutch lifter thread can then be disassembled. (Fig. 3-163)

C. Reassembly

1. Apply grease to the clutch lifter thread before assembling.
Use HD type multi-purpose NLGI, No. 2.

4. CAM CHAIN TENSIONER

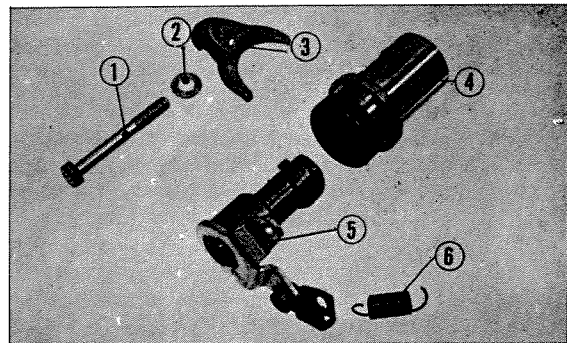
A. Construction

An automatic cam chain tensioner has been employed to simplify the maintenance and eliminate the adjustment of the cam chain. This is done by automatically applying pressure against the tensioner push rod by means of the cam chain tensioner spring. The force is applied by the push rod to one side of the "seesaw" type, tensioner to maintain proper tension to the cam chain at high speed; further, the location of the guide roller has been engineered to minimize the chain noise.

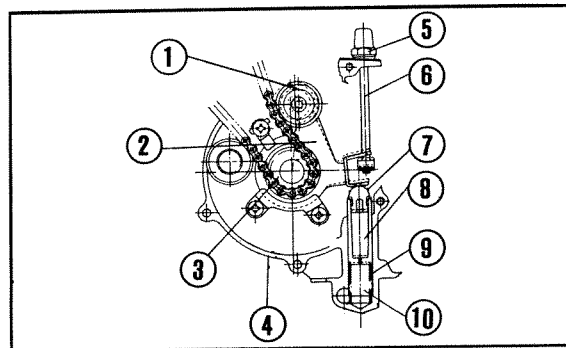
In addition, a manual adjusting feature is also provided to correct any stretch in the chain as the result of the centrifugal force from extended riding. (Fig. 3-164)

B. Disassembly

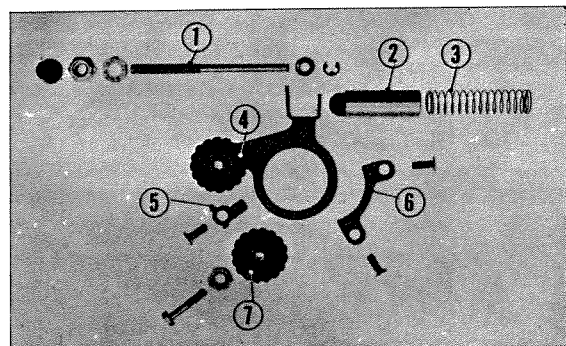
1. Remove the breaker point cover, point terminal left cover, AC Generator rotor, and then disassemble the AC Generator stator base.
2. Remove the cylinder head and disassemble the cylinder.



① Clutch adjuster locking bolt ② 6mm washer
③ Adjuster fixing piece ④ Clutch adjuster
⑤ Clutch lifter thread ⑥ Clutch lever spring
Fig. 3-163. Component parts of clutch adjuster



① Tensioner roller ② Tensioner arm ③ Timing sprocket
④ Crankcase ⑤ Adjust screw lock nut
⑥ Tensioner adjust bolt ⑦ Tensioner pushrod head
⑧ Tensioner pushrod ⑨ Tensioner spring
⑩ Oil damper chamber
Fig. 3-164. Construction of the cam chain tensioner



① Tensioner adjust bolt ② Tensioner pushrod
③ Cam chain tensioner spring ④ Cam chain tensioner
⑤ Tensioner set plate B ⑥ Tensioner set plate A
⑦ Cam chain tensioner roller
Fig. 3-165. Component parts of the cam chain tensioner