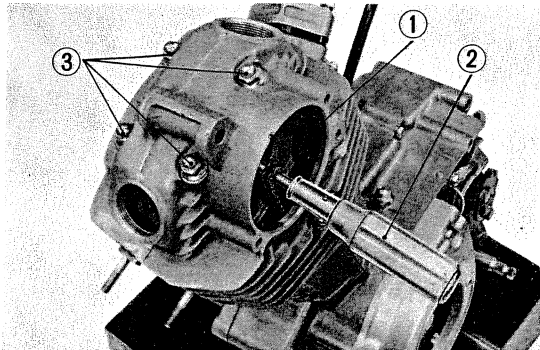
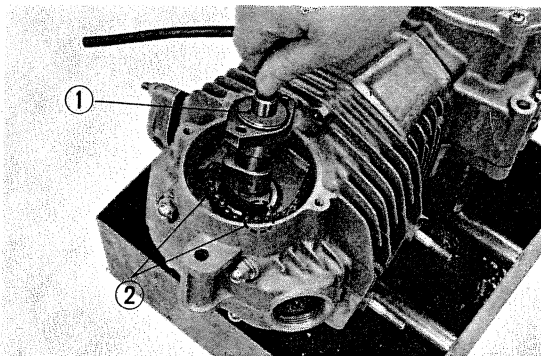


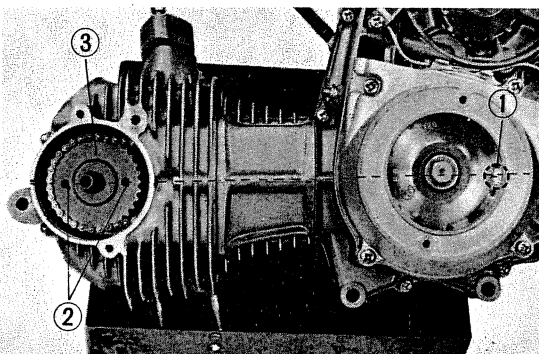
**Fig. 43** ① Dowel pins ② Cam chain tensioner  
③ Cam chain guide



**Fig. 44** ① Cam chain ② Screwdriver ③ 8mm cap nuts



**Fig. 45** Camshaft installation  
① Camshaft ② Cam lobe



**Fig. 46** Valve timing procedure  
① "T" mark ② Mounting holes ③ Cam sprocket

- 4) Reinstall the chain guide. (Fig. 43)
- 5) Reinstall the three dowel pins and O ring. (Fig. 43)

- 6) Assemble cam sprocket on the cam chain and then install the sub assembly on the cylinder head together with the cam chain tensioner.
- 7) Use a screwdriver to support the cam sprocket and then install the 8 mm cap nuts. (Fig. 44)  
Torque to **0.8–1.2 kg-m (5.8–8.7 ft. lbs)**.

- 8) Disassemble the cam chain from the cam sprocket and then reinstall the camshaft. (Fig. 45)

**Note:**

**Align cam lobe to the cutout on the cylinder head and then install the camshaft. Rotate the camshaft one revolution to bring it to the top-dead-center position. This is determined by the cam sprocket mounting holes being perpendicular to the crankshaft.**

- 9) Reinstall the cam sprocket.  
Install the cam sprocket after completing the valve timing. (Fig. 46)  
**(Valve timing procedure)**
  - a. Align the "T" mark on the crankshaft to the top-dead-center position.
  - b. Make the chain taut and install the cam sprocket with the mounting holes at the top.
  - c. Mount the sprocket with the two bolts.