

10. Remove the two cam chain tensioner mounting rubbers from the crankcase and then remove the cam chain tensioner roller assembly. (Fig. 5-28)
11. Cam chain guide roller can be removed from the cam chain tensioner by pushing the cam chain roller pin.
12. Remove the cam chain guide pin from the bottom of the cylinder and remove the cam chain guide from the cylinder. (Fig. 3-29)

c. Inspection

1. Measuring the camshaft clearance
(Perform the measurement with a micrometer and inside dial gauge)
 - a. Assemble the camshaft holder on the cylinder head and assemble the cap on the camshaft holder making sure that the cap and holder are stamped with the identical markings.
Torque to 6.0~8.0 ft. lbs (80~110 kg-cm)
 - b. Measure the bearing inside diameter in both the vertical and horizontal direction using the inside dial gauge and calculate the average value. Next, measure the camshaft bearing with a micrometer and then compute the shaft clearance. If the clearance is greater than **0.0083 in. (0.21 mm)**, the camshaft holder and the cap should be replaced in set. Further, the clearance may be measured using a press gauge. (Fig. 5-30, 31)
2. Measuring the cam lift

The camshaft lift is checked by measuring the height of the camshaft from the bottom of base circle. If the total height for the inlet cam is less than **1.411 in. (35.86 mm)**, and for the exhaust, **1.392 in. (35.36 mm)** the camshaft should be replaced. Further, if the base circle is less than **1.099 in. (27.93 mm)**, the camshaft should also be replaced. (Fig. 3-32)

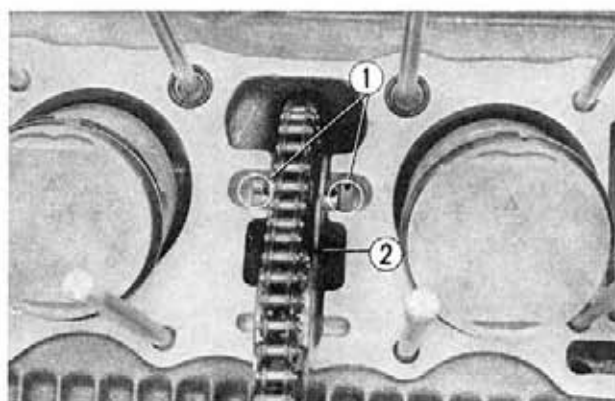


Fig. 3-28 ① Tensioner roller mounting rubbers
② Cam chain tensioner

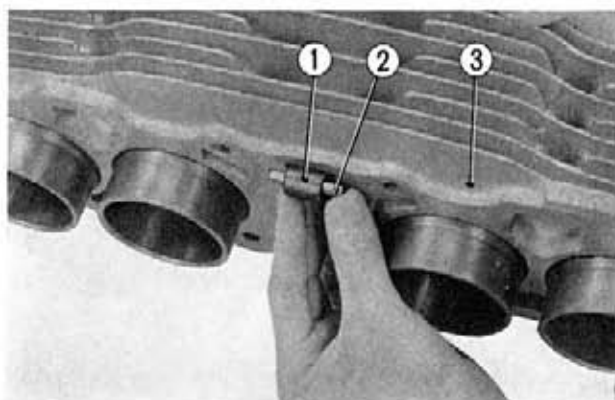


Fig. 3-29 ① Cam chain guide ② Cam chain guide pin ③ Cylinder

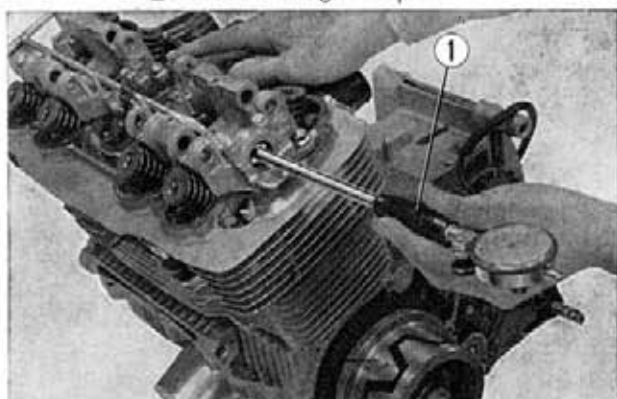


Fig. 3-30 ① Inside dial gauge

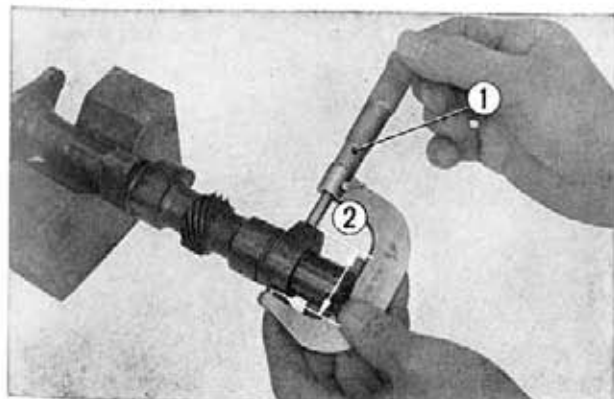


Fig. 3-32 ① Micrometer
② Cam height

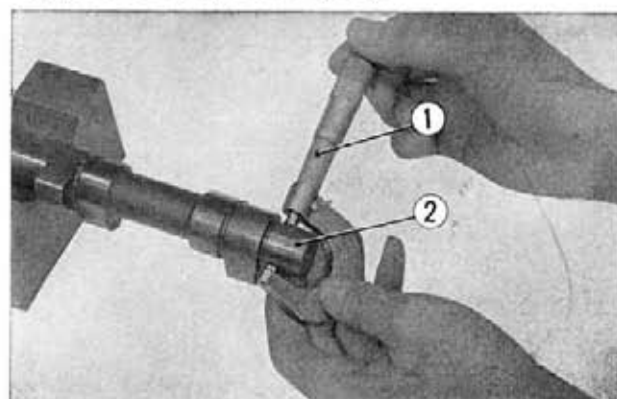


Fig. 3-31 ① Micrometer
② Camshaft bearing