

A. Disassembly

- 1) Remove the cylinder head and cylinder in accordance with section 3.A.
- 2) Remove the right crankcase cover, oil filter and the oil pump in accordance with section 5.A.
- 3) Remove the clutch in accordance with section 6.A.
- 4) Remove the gear shift in accordance with section 7.A.
- 5) Remove the A.C. generator in accordance with section 8.A.
- 6) Remove the drive sprocket and unscrew eleven 6 mm crankcase mounting bolts (one screw on the inside is mounted on the right crankcase), tap the crankcase with a wooden hammer and separate the crankcase. (Fig. 82)
- 7) Support the right crankcase lightly and then gently tap the crankshaft on the right side to loosen and then separate it from the case. (Fig. 83)

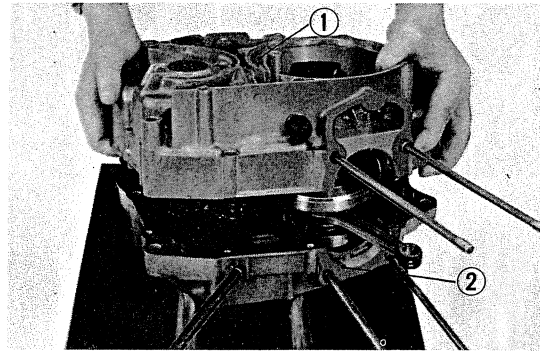


Fig. 82 Crankcase disassembly
① L. crankcase ② R. crankcase

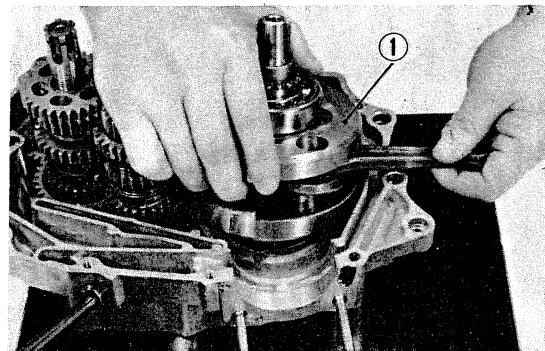


Fig. 83 Crankshaft disassembly
① Crankshaft

B. Inspection

- 1) Measure the runout of the crankshaft. Support the crankshaft at bearing with V block, and check the amount of runout using a dial gauge. (Fig. 84)

Item	Standard value	Serviceable limit
Crankshaft Right & left side	0.03mm (0.001 in.)	0.1mm (0.004 in.)

Replace if beyond the serviceable limit.

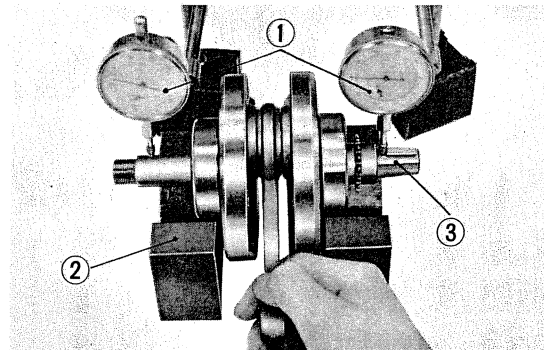


Fig. 84 Crankshaft runout measurement
① Dial gauge ② V block

- 2) Check the clearance of the connecting rod large end. (Fig. 85)

Item	Standard value	Serviceable limit
Side clearance	0~0.01mm (0~0.0004 in.)	0.05mm (0.0020 in.)
Vertical clearance	0.10~0.35mm (0.004~0.014 in.)	0.8mm (0.032 in.)

Replace if beyond the serviceable limit.

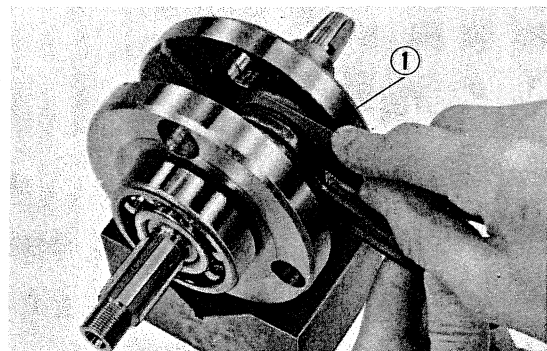


Fig. 85 Connecting rod large end clearance measurement
① Thickness gauge