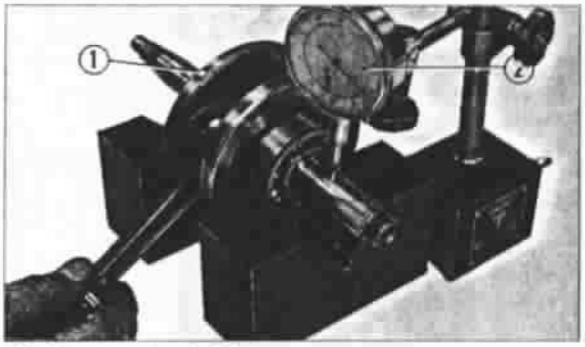
B. Disassembly

1. Remove the cylinder head and cylinder in accordance with the procedure described on page 9~10.
2. Remove the clutch assembly in accordance with the procedure described on page 16.
3. Remove the primary driven gear and the kick starter spring.
4. Remove the oil pump.
5. Remove the gear shift stopper and plate.
6. Loosen the left crankcase cover screws and then remove the cover, flywheel, stator and the cam chain.
7. Pull off the rubber plug and remove the gear shift drum stopper bolt.
8. Remove the final drive sprocket.
9. Remove the right crankcase.
10. Lift out the crankshaft assembly from the case.

C. Inspection

1. Measuring the crankshaft balance
   Support the crankshaft on V-blocks at the bearings. Rotate the crankshaft and measure the amount of runout at both ends of the crankshaft using a dial gauge **(Fig. 40)**.

Item	Standard Value	Serviceable Limit
Left end, at 1.2 (30 mm) from the weight Right end, at 1.0 (25 mm) from the weight	0.0006 (0.015 mm)	Repair if over 0.002 (0.05mm)



① Crankshaft ② Dial gauge
Fig. 40

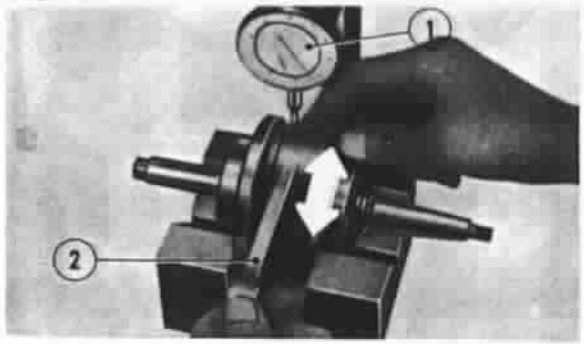
2. Measuring the connecting rod side play.
   Measure the amount of connecting rod side play using a thickness gauge **(Fig. 41)**.

Standard Value	Serviceable Limit
0.004~0.014 (0.1~0.35 mm)	Replace if over 0.0315 (0.80 mm)

① Crankshaft ② Connecting rod
③ Thickness gauge
Fig. 41

3. Measuring the radial clearance of the connecting rod large end bearing.
   Measure the amount of clearance at the connecting rod large end by using a dial gauge **(Fig. 42)**.

Standard Value	Serviceable Limit
0.0005 max. (0.012 mm max.)	Replace if over 0.002 (0.05 mm)



① Dial gauge ② Connecting rod
Fig. 42

D. Reassembly

Perform the reassembly in the reverse order of disassembly.