

11. CRANKCASE, CRANKSHAFT

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MAINTENANCE INFORMATION

Warnings:

When adjusting crankshaft it is not necessary to remove engine. If the following parts are removed, maintenance can be performed.

- Cylinder head, cylinder, piston (section 7) - Primary drive gear (section 8)
- AC Generator, Pulse generator (section 10) - Front engine hanger bolt (section 6)
- Upper crankcase
- Crankshaft adjustment is explained as if the engine has been removed from the frame
- Remove the following parts before adjusting crankcase
 - Cylinder head, cylinder, piston (section 7) - Clutch kickstarter, gearshift linkage (section 8)
 - Transmission (section 9)
 - AC generator, pulse generator (section 10)
- Remove engine as in section 6
- Before proceeding clean engine of all foreign particles
- When separating crankshaft take sufficient care not to damage oil seal. This could cause a decrease in engine performance
- When installing crankshaft the main journal bearing set pin must be set in the case groove

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Item		Standard	Service Limit
Conrod	Big end axial clearance	0.55-0.75	0.85
	Big end axial perpendicular gap		0.05
Crankshaft Journal runour	A	0.05	0.10
	B	0.03	0.08

Torque:

Crankcase bolt 2.1-2.5kg-m Neutral Switch 1.4-1.8kg-m

TROUBLE SHOOTING

Engine Noise

- Main journal bearing faulty
- Crank pin bearing faulty