

11. CRANKCASE/TRANSMISSION

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SERVICE INFORMATION

GENERAL

- The crankcase must be separated to service the following:
 - transmission
 - crankshaft (section 12)
 - piston/connecting rod (section 12)
- Be careful not to damage the crankcase mating surfaces when servicing.
- Prior to assembling the crankcase halves, apply sealant to their mating surfaces. Wipe off excess sealant thoroughly.

SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Shift fork	I. D.	12.000 – 12.021 (0.4724 – 0.4733)	12.03 (0.474)
	Claw thickness	5.93 – 6.00 (0.233 – 0.236)	5.9 (0.23)
Shift fork shaft	O. D.	11.957 – 11.968 (0.4707 – 0.4712)	11.95 (0.470)
Transmission	Gear I. D.	M5, M6	31.000 – 31.016 (1.2205 – 1.2211)
		C2, C3, C4	33.000 – 33.025 (1.2992 – 1.3002)
	Gear bushing O. D.	M5, M6	30.955 – 30.980 (1.2187 – 1.2197)
		C2, C3, C4	32.955 – 32.980 (1.2974 – 1.2984)
	Gear-to-bushing clearance	M5, M6	0.020 – 0.061 (0.0008 – 0.0024)
		C2, C3, C4	0.020 – 0.070 (0.0008 – 0.0028)
	Gear bushing I. D.	M5	27.985 – 28.006 (1.1018 – 1.1026)
		C2	29.985 – 30.006 (1.1805 – 1.1813)
	Mainshaft O. D.	at M5	27.967 – 27.980 (1.1011 – 1.1016)
	Countershaft O. D.	at C2	29.950 – 29.975 (1.1791 – 1.1801)
	Bushing-to-shaft clearance	M5	0.005 – 0.039 (0.0002 – 0.0015)
		C2	0.010 – 0.056 (0.0004 – 0.0022)

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TORQUE VALUES

Cam chain tensioner bolt	23 N·m (2.3 kgf·m , 17 lbf·ft)	Apply locking agent to the threads.
Cam chain guide bolt	23 N·m (2.3 kgf·m , 17 lbf·ft)	Apply locking agent to the threads.
Crankcase 10 mm flange bolt	39 N·m (4.0 kgf·m , 29 lbf·ft)	
Crankcase 10 mm special bolt	42 N·m (4.3 kgf·m , 31 lbf·ft)	Apply oil to the threads and seating surface.

TOOLS

Inner driver C	07746-0030100
Attachment, 35 mm I. D.	07746-0030400