

## TRANSMISSION

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## SERVICE INFORMATION

### GENERAL

- The crankcase must be separated to service the transmission.
- The gear shift cam plate can be serviced with the engine installed in the frame (Section 8).

### SPECIFICATIONS

unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Gear I.D.	M4	28.020–28.041 (1.1031–1.1040)	28.10 (1.106)
	M5	28.000–28.021 (1.1024–1.1032)	28.08 (1.106)
	C1	25.020–25.041 (0.9850–0.9859)	25.10 (0.988)
	C3	28.020–28.041 (1.1031–1.1040)	28.10 (1.106)
	C2	28.020–28.041 (1.1031–1.1040)	28.10 (1.106)
Gear bushing	M5 O.D.	27.949–27.980 (1.1004–1.1016)	27.90 (1.098)
	C1 O.D.	24.984–25.005 (0.9836–0.9844)	24.93 (0.981)
	C1 I.D.	20.020–20.041 (0.7880–0.7890)	20.01 (0.791)
	M4, C2 O.D.	27.979–28.000 (1.1015–1.1024)	27.93 (1.100)
	M4, C2 I.D.	25.020–25.041 (0.9850–0.9859)	25.10 (0.988)
Gear-to-bushing clearance	M5	0.020–0.072 (0.0008–0.0028)	0.10 (0.004)
	C1	0.015–0.057 (0.0006–0.0022)	0.10 (0.004)
	M4, C2	0.020–0.062 (0.0008–0.0024)	0.110 (0.004)
Mainshaft O.D.	M4	24.972–24.993 (0.9831–0.9840)	24.92 (0.981)
Countershaft O.D.	C1	19.980–19.993 (0.7866–0.7871)	19.94 (0.785)
	C2	24.972–24.993 (0.9831–0.9840)	24.92 (0.981)
	C3	24.959–24.980 (0.9826–0.9835)	24.92 (0.981)
Shaft-to-gear clearance	M4	0.027–0.068 (0.0011–0.0027)	0.10 (0.004)
	C3	0.041–0.082 (0.0016–0.0032)	0.15 (0.006)
Shaft-to-bushing clearance	C1	0.027–0.061 (0.0011–0.0024)	0.10 (0.004)
	M4, C2	0.027–0.069 (0.0011–0.0027)	0.10 (0.004)
Shift fork I.D.		14.000–14.015 (0.5512–0.5518)	14.05 (0.553)
Shift fork claw thickness		4.93–5.00 (0.194–0.197)	4.5 (0.18)
Shift fork shaft O.D.		13.966–13.984 (0.5498–0.5506)	13.90 (0.547)