

9. CLUTCH/GEARSHIFT LINKAGE

SERVICE INFORMATION	9-1	CLUTCH	9-4
TROUBLESHOOTING	9-2	GEARSHIFT LINKAGE	9-11
RIGHT CRANKCASE COVER REMOVAL	9-3	RIGHT CRANKCASE COVER INSTALLATION	9-14

SERVICE INFORMATION

GENERAL

- This section covers service of the clutch and gearshift linkage. All service can be done with the engine installed in the frame.
- Transmission oil viscosity and level have an effect on clutch disengagement. When the clutch does not disengage or the motorcycle creeps with clutch disengaged, inspect the transmission oil level before servicing the clutch system.
- See section 12 for shift forks, shift fork shaft, shift drum and transmission service.

SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Clutch lever free play		10–20 (3/8–13/16)	—
Clutch spring free length		49.7 (1.96)	48.3 (1.90)
Clutch disc thickness		2.92–3.08 (0.115–0.121)	2.60 (0.102)
Clutch plate warpage		—	0.30 (0.012)
Clutch outer guide	I.D.	21.994–22.007 (0.8659–0.8664)	22.017 (0.8668)
	O.D.	34.975–34.991 (1.3770–1.3776)	34.965 (1.3766)
Mainshaft O.D. at clutch outer guide		21.980–21.993 (0.8654–0.8659)	21.95 (0.864)

TORQUE VALUES

Clutch center lock nut	108 N·m (11.0 kgf·m , 80 lbf·ft)	Apply oil to the threads and flange surface Stake the nut
Clutch spring bolt	12 N·m (1.2 kgf·m , 9 lbf·ft)	
Shift drum center socket bolt	23 N·m (2.3 kgf·m , 17 lbf·ft)	
Shift drum stopper pivot bolt	12 N·m (1.2 kgf·m , 9 lbf·ft)	
Gearshift return spring pin	23 N·m (2.3 kgf·m , 17 lbf·ft)	
Gearshift pedal link bolt (gearshift spindle side)	20 N·m (2.0 kgf·m , 14 lbf·ft)	

TOOLS

Clutch center holder	07JMB-MN50301
Driver	07749-0010000
Attachment, 37 × 40 mm	07746-0010200
Attachment, 42 × 47 mm	07746-0010300
Pilot, 35 mm	07746-0040800