

7. CLUTCH/GEARSHIFT LINKAGE/KICK STARTER

SERVICE INFORMATION	7-1
TROUBLESHOOTING	7-2
CLUTCH	7-3
CLUTCH LIFTER	7-10
SHIFT LINKAGE	7-12
KICK STARTER	7-16

SERVICE INFORMATION

GENERAL

- The clutch, kick starter and shift linkage can be serviced with the engine installed.
- Remove any gasket material from the crankcase mating surfaces.
- Do not allow dirt in the engine.
- Be careful not to damage the case mating surfaces during disassembly.
- Clean all parts before inspecting. Coat all contact surfaces with clean transmission oil before assembly.
- It is not necessary to disconnect the water hoses to remove the right crankcase cover from the crankcase when servicing the clutch, kick starter and gearshift linkage.

7

SPECIFICATIONS

ITEM		STANDARD mm (in)	SERVICE LIMIT mm (in)
Clutch lever free play		10-20 (3/8-3/4)	—
Clutch	Clutch spring free length	47 (1.85)	45 (1.8)
	Clutch disc thickness	2.92-3.08 (0.117-0.121)	2.85 (0.112)
	Clutch plate warpage	—	0.15 (0.006)
	Clutch outer guide O.D.	27.987-28.000 (1.1018-1.1024)	27.97 (1.101)
Kick starter	Kick starter spindle O.D.	21.959-21.980 (0.8645-0.8654)	21.94 (0.864)
	Kick starter pinion gear I.D.	22.020-22.041 (0.8669-0.8677)	22.06 (0.869)

TORQUE VALUES

Clutch center lock nut	55-65 N·m (5.5-6.5 kg-m, 40-47 ft-lb)
Kick starter pedal bolt	20-35 N·m (2.0-3.5 kg-m, 14-25 ft-lb)
Footpeg mounting bolt	50-60 N·m (5.0-6.0 kg-m, 36-43 ft-lb)
Gearshift pedal bolt	10-14 N·m (1.0-1.4 kg-m, 7-10 ft-lb)

TOOLS

Common

Lock nut wrench, 17 x 27 mm	07716-0020300 or equivalent in U.S.A.
Extension bar	07716-0020500 or equivalent in U.S.A.
Clutch center holder	07724-0050000 or equivalent available in U.S.A.