

## SERVICE INFORMATION

### GENERAL

- This section covers the crankcase separation to service the crankshaft.
- The following parts must be removed before separating the crankcase.
  - Engine (page 8-4)
  - Camshaft/cylinder head (page 9-7)
  - Cam chain guide (page 9-24)
  - Cam chain tensioner slider (page 9-25)
  - Cylinder (page 10-4)
  - Piston (page 10-7)
  - Starter pinion (page 11-7)
  - Drive pulley (page 11-8)
  - Clutch/driven pulley (page 11-13)
  - Starter motor (page 20-6)
  - Water pump/stator base (page 7-15)
  - Flywheel/stator (page 13-4)
  - Centerstand (page 3-14)
- Prior to assembling the crankcase halves, apply sealant to their mating surfaces, Wipe off excess sealant thoroughly.
- In addition to the parts listed above, remove the final reduction (page 12-6) when the left crankcase half must be replaced.
- Be careful not to damage the crankcase mating surfaces when separating and assembling the crankcase halves.
- Clean all disassembled parts with clean solvent and dry them using compressed air before inspection.
- When installing the crankshaft, be sure to use the special tools; position the special tools on the bearing inner race and pull the crankshaft into the bearing until it is fully seated.

### SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Crankshaft	Connecting rod side clearance	0.10 – 0.35 (0.004 – 0.014)	0.55 (0.022)
	Connecting rod radial clearance	0.004 – 0.016 (0.0002 – 0.0006)	0.05 (0.002)
	Runout	–	0.10 (0.004)