

## CRANKSHAFT/BALANCER

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## SERVICE INFORMATION

### GENERAL

- The crankcase must be separated to repair the crankshaft, connecting rod, transmission and balancer.
- Remove the following parts before separating the crankcase.
  - Oil pump ..... Section 2
  - Engine removal ..... Section 5
  - Cylinder head ..... Section 6
  - Cylinder/piston ..... Section 7
  - Clutch/kick starter ..... Section 8
  - Alternator ..... Section 9

### SPECIFICATIONS

unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Crankshaft	Connecting rod big end side clearance	0.050–0.650 (0.0020–0.0256)	0.80 (0.031)
	Connecting rod big end radial clearance	0.006–0.018 (0.0002–0.0007)	0.05 (0.002)
	Connecting rod small end I.D.	24.020–24.041 (0.9457–0.9465)	24.07 (0.948)
	Crankshaft runout	—	0.1 (0.004)

### TORQUE VALUE

Crankcase bolts 12 N·m (1.2 kg-m, 9 ft-lb)

### TOOLS

#### Special

Crankcase assembly tool	07931–KF00000
– Collar	07931–KF00100
– Thread adapter	07931–KF00200
– Shaft puller	07931–ME40000
Crankshaft puller	07935–KF00001
Remover handle	07936–MK50100
Bearing remover, 15 mm	07936–KC10100
Remover weight	07741–0010201
Bearing remover set	07936–3710001
– Spindle assembly	07936–3710600
– Remover handle	07936–3710100
– Remover weight	07931–ME4000A
Bearing driver attachment	07GAD–SD40101
Bearing puller catch	07931–MK20100