

CRANKCASE/CRANKSHAFT

CRANKSHAFT INSPECTION

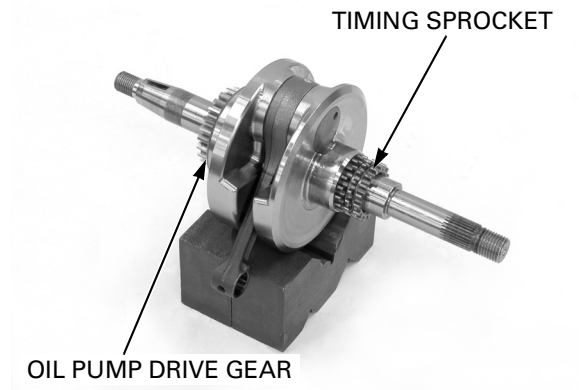
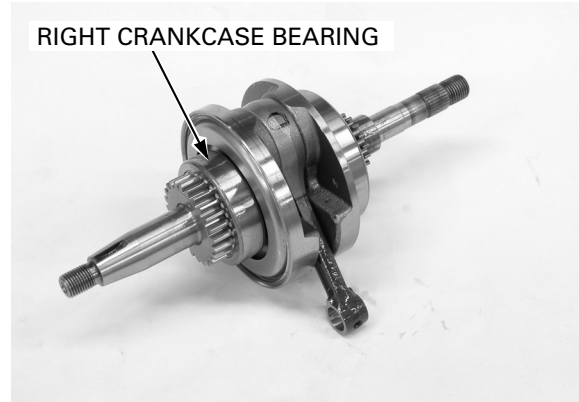
Remove the crankshaft (page 14-5).

Turn the outer race of the right crankshaft bearing with your finger. The bearing should turn smoothly and quietly. Also check that the bearing inner race fits tightly on the right crankshaft.

Replace the bearing if it does not turn smoothly, quietly, or if it fits loosely on the right crankshaft.

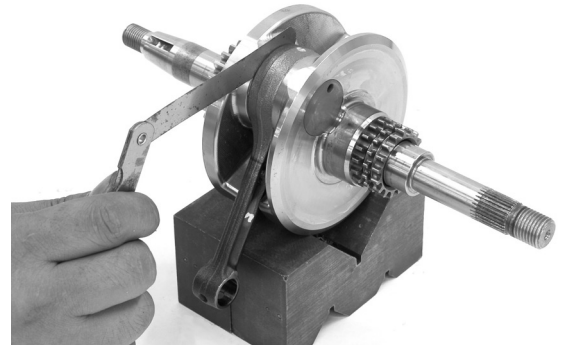
If the timing sprocket teeth are worn or damaged, check the cam chain, tensioner and cam sprocket.

Check the oil pump drive gear and timing sprocket teeth for wear or damage.



Measure the connecting rod big end side clearance with a feeler gauge.

SERVICE LIMIT: 0.55 mm (0.022 in)



Set the crankshaft on V-blocks and measure the connecting rod big end radial clearance.

SERVICE LIMIT: 0.05 mm (0.002 in)

