

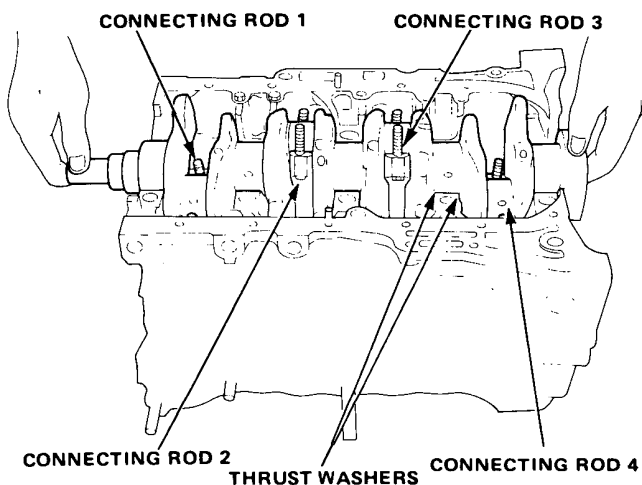
Crankshaft



Installation

10 Before installing the crankshaft, apply a coat of engine oil to the main bearings and rod bearings.

1. Insert bearing halves in the engine block and connecting rods.
2. Hold the crankshaft so rod journals for cylinder No. 2 and No. 3 are straight down.
3. Lower the crankshaft into the block, seating the rod journals into connecting rods No. 2 and No. 3 and install rod caps and nuts finger tight.



4. Rotate the crankshaft clockwise, seat journals into connecting rods No. 1 and No. 4, and install the rod caps and nuts finger tight.

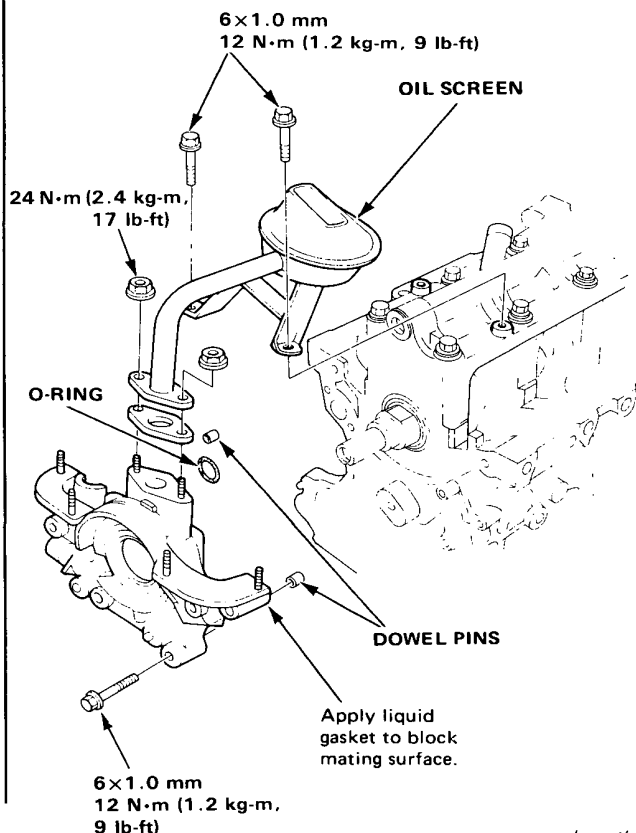
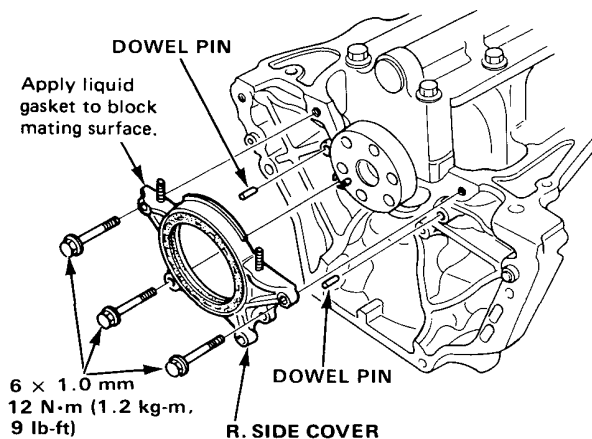
NOTE: Install caps so the bearing recess is on the same side as the recess in the rod.

5. Install the thrust washers, main bearing halves and cap, check clearance with plastigage (page 7-5), then torque the nuts to 55 N·m (5.5kg-m, 40 lb-ft). Oil thrust washer surfaces.
6. Check the rod bearing clearance with plastigage (page 7-5), then torque nuts to 32 N·m (3.2 kg-m, 23 lb-ft).

NOTE: Reference numbers on connecting rod are for big-end bore tolerance and do NOT indicate the position of piston in engine.

CAUTION: Whenever any crankshaft or connecting rod bearing is replaced, after reassembly run the engine at idling speed until it reaches normal operating temperature, then continue to run for approximately 15 minutes.

7. Apply non-hardening liquid gasket to the block mating surface of the right side cover and oil pump case, and install them on the engine block.



(cont'd)

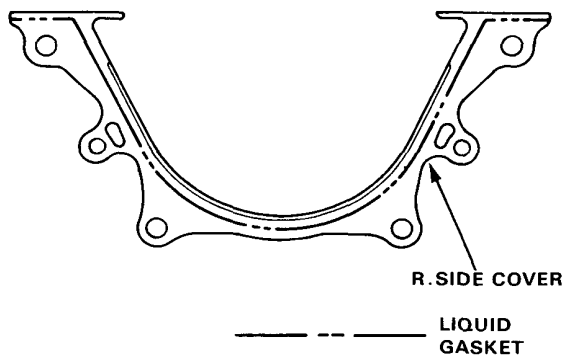
Craukshaft

Installation (cont'd)

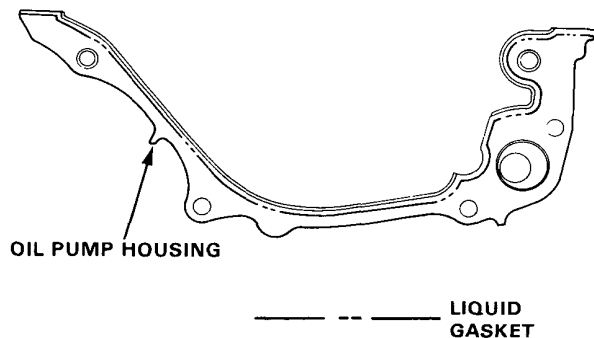
NOTE:

- Use HONDA PART NO 08740-99986 for the liquid gasket.
- Check that the mating surfaces are clean and dry before applying liquid gasket.
- Apply liquid gasket by starting with an even bend, centered between edges of the mating surface.
- To prevent leakage of oil, apply liquid gasket to the inner threads of the bolt holes.
- Do not allow the sealant to dry before assembly.
- Wait at least 30 minutes after assembly before filling the engine with oil.

R. side cover side:



Oil pump side



8. Install the oil strainer.

9. Install the oil pan.