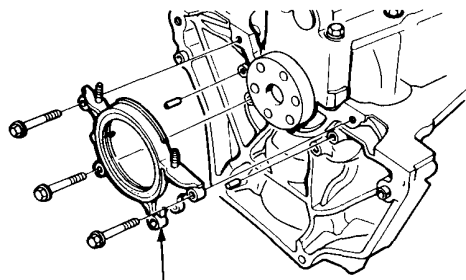


Crankshaft/Piston



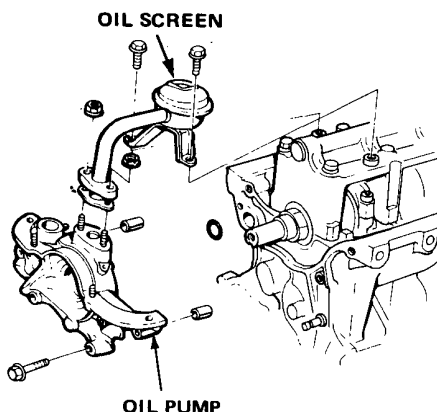
Removal

1. Remove the right side cover.



RIGHT SIDE COVER

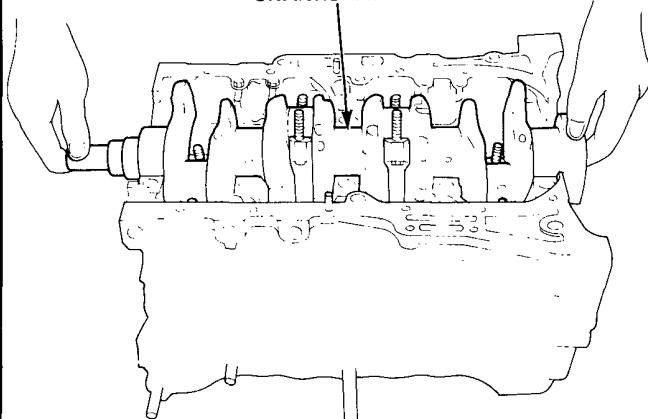
2. Remove the oil screen.



OIL PUMP

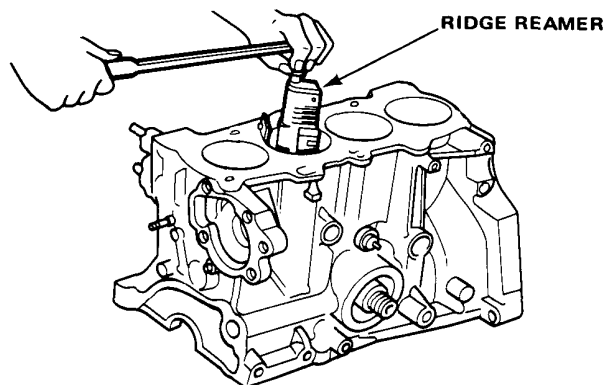
3. Remove the oil pump.
4. Turn the crankshaft so No. 2 and 3 crankpins are at the bottom.
5. Remove the rod caps/bearings and main caps/bearings. Keep all caps/bearings in order.
6. Lift the crankshaft out of engine, being careful not to damage journals.

CRANKSHAFT



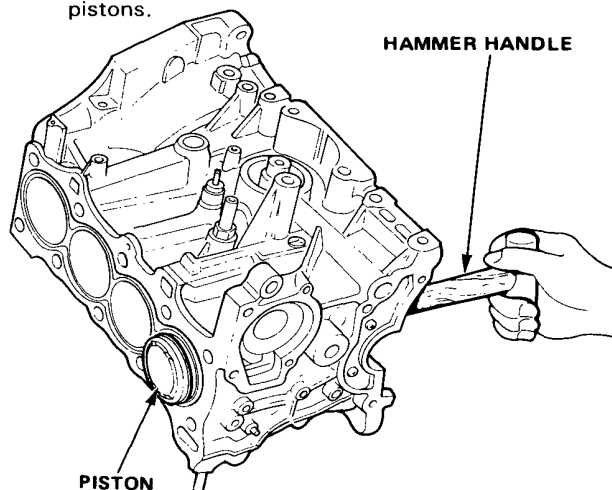
7. Remove upper bearing halves from connecting rods and set aside with their respective caps.
8. Reinstall main cap and bearings on engine in proper order.
9. If you can feel a ridge of metal or hard carbon around the top of each cylinder, remove it with a ridge reamer. Follow reamer manufacturer's instructions.

CAUTION: If the ridge is not removed, it may damage the pistons as they are pushed out.



RIDGE REAMER

10. Use the wooden handle of a hammer to drive out pistons.



HAMMER HANDLE

PISTON

11. Reinstall the rod bearings and caps after removing each piston/connecting rod assembly.
12. Mark piston/connecting rod assemblies with cylinder numbers to avoid mixup on reassembly.

NOTE: The existing number on the connecting rod does not indicate its position in the engine, it indicates the rod bore size.