

Chapter 18 Disassembly and Assembly

1. Disassembly and Assembly

4000 Series

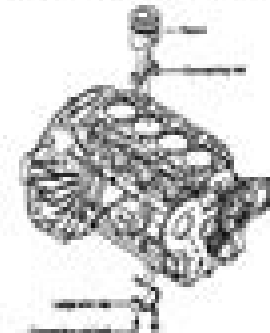
1-1-01 Removing the fuel injection pump

- Remove the bleed plug mounted in the top of the governor solenoid valve.
- Remove the top nut and pull out the top of pump drive gear/distributor assembly (refer assembly with oil separator valve).
- Remove the fuel injection pump and bring from the gear case flange.



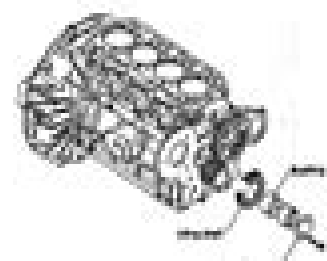
1-1-02 Removing the piston and connecting rods

- Remove the connecting rod nut from the top and top.
- Push the connecting rod from the bottom and pull out the piston connecting rod assembly.



1-1-03 Removing the oil pump

- Remove the two hex bolts holding the oil pump shaft, and pull out the oil pump and oil pump shaft.



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2. Disassembly and Assembly

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2-1-01 Setting the engine case

Place a wood block of suitable size in the rear and set the engine case with the cylinder head mounting surface facing down.

NOTE: Make sure that the cylinder head mounting surface on the cylinder head do not come in contact with the wood block.

2-1-02 Removing the crankshaft housing

Remove the crankshaft housing from the cylinder block.



2-1-03 Removing the main bearing

- Remove the main bearing bolts.
- Remove the main bearing cap and lower main bearing cap.

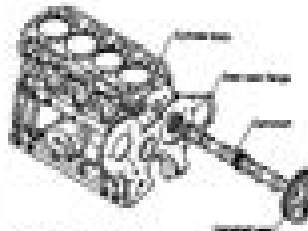
NOTE: The crankshaft support is mounted in the crankshaft main bearing cap. Be sure to differentiate between mounting surfaces.



2-1-04 Removing the crankshaft

- Remove the crankshaft support from the crankshaft.
- Remove the crankshaft support from the crankshaft.
- Remove the main bearing cap and crankshaft assembly from the cylinder block.

NOTE: The crankshaft gear and crankshaft are shown in this view. Be sure to remove in 180°-280° to remove the cap.

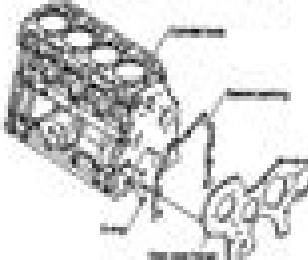


2-1-05 Removing the support

Remove the support from the support holes in the crankshaft.

2-1-06 Removing the gear case flange

- Remove the gear case flange from the cylinder block.
- Remove the two bolts from the side of flange.



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N N

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