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# **TC23DA, TC26DA REPAIR MANUAL COMPLETE CONTENTS**

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**The following pages are the collation of the contents pages from each section and chapter of the TC23DA, TC26DA Repair manual. Complete Repair part # 87367140.**

**The sections used through out all New Holland product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.**

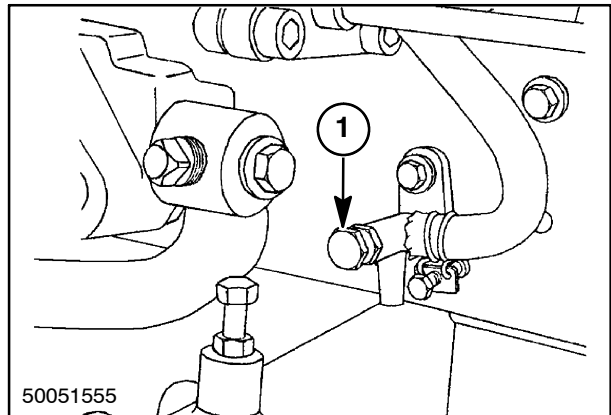
**The sections listed above are the sections utilized for the TC23DA, TC26DA Tractors.**

## OVERHAUL - ENGINE

### ENGINE PREPARATION

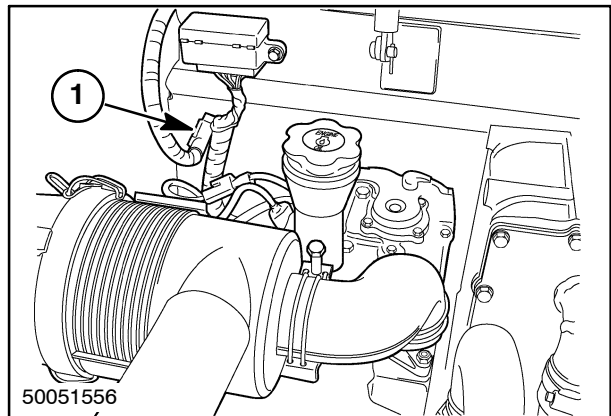
#### Disassembly

1. Open the radiator drain, 1, and drain and remove the radiator assembly. See "Radiator Removal" discussed later in this section.



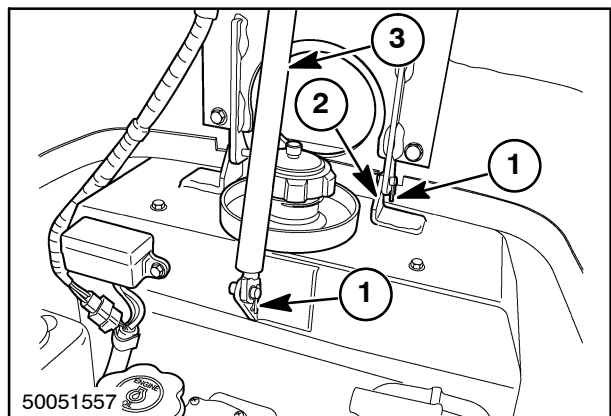
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2. Disconnect the electrical connector, 1, for the head lamps.



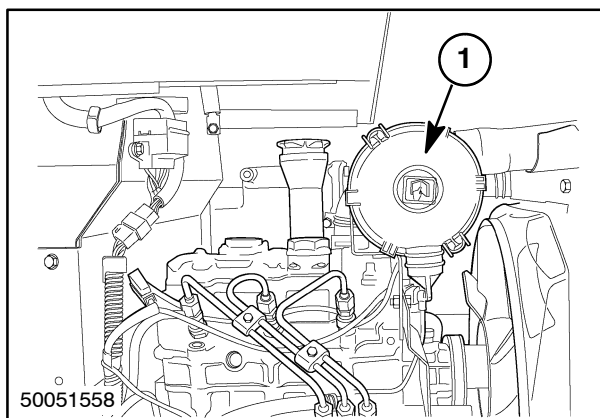
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3. Remove the clip pin, 1, from the hood support, 2, and damper, 3, and gradually slide to the left and remove the hood.



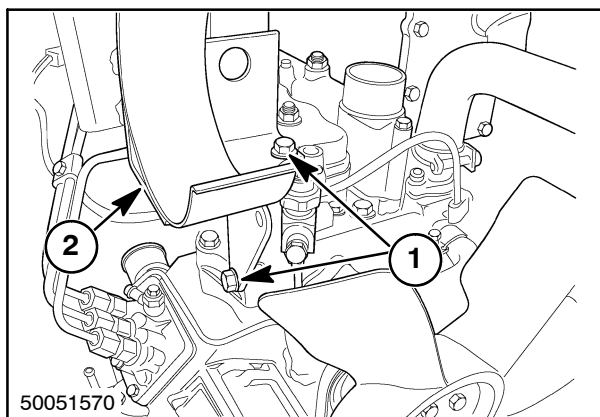
6

4. Remove the air cleaner assembly, 1, along with the air cleaner hoses.



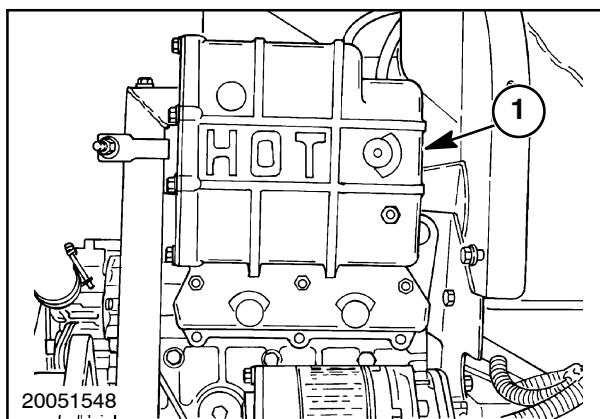
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5. Remove the two capscrews, 1, and remove the air cleaner mounting bracket, 2.

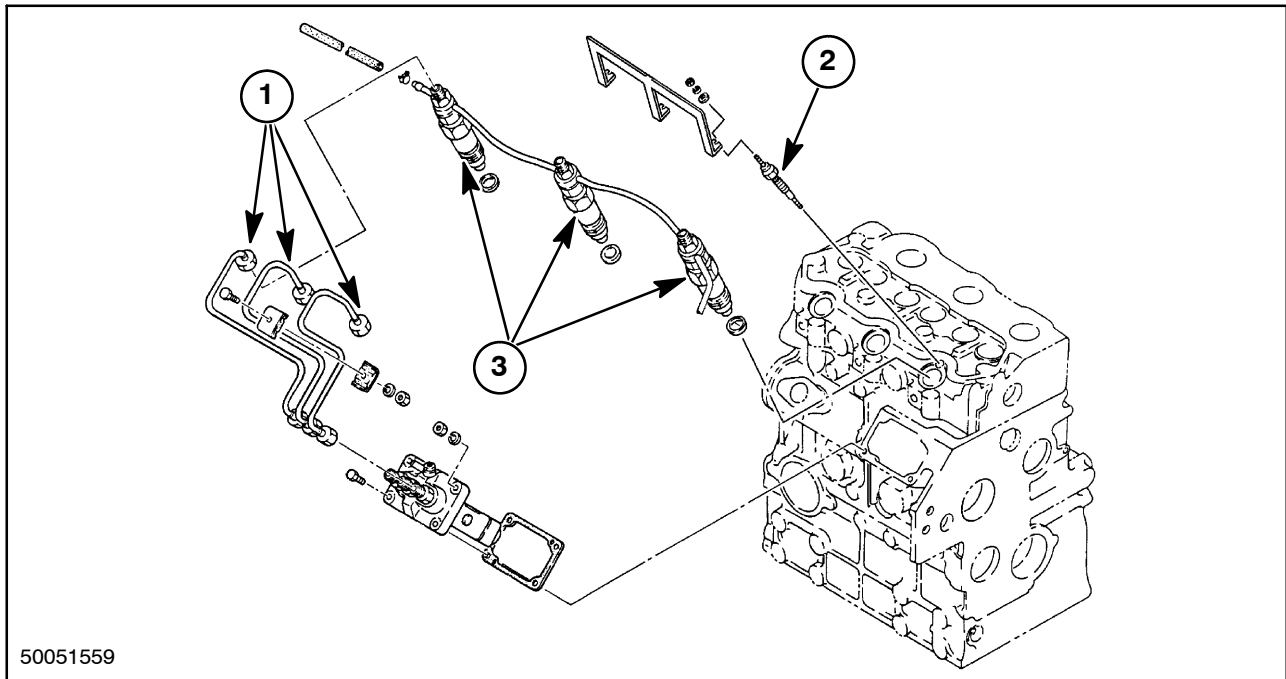


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6. Remove the exhaust muffler and manifold assembly, 1.



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## FUEL INJECTOR AND GLOW PLUG

### Removal

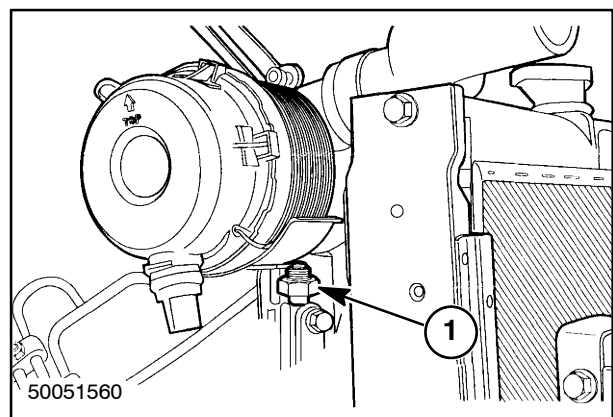
1. Clean all dirt and oil from the injectors and surrounding areas.
2. Disconnect the fuel lines, 1, from the injectors and cap all openings.
3. Remove the three glow plugs, 2.
4. Disconnect the return line to the fuel tank from the number three injector.
5. Remove the injector assemblies, 3.

**NOTE:** Be sure to remove the injector sealing washer from the injector bore, if not removed with the injector.

## OIL PRESSURE SWITCH

### Removal

1. Disconnect and remove the oil pressure switch, 1.

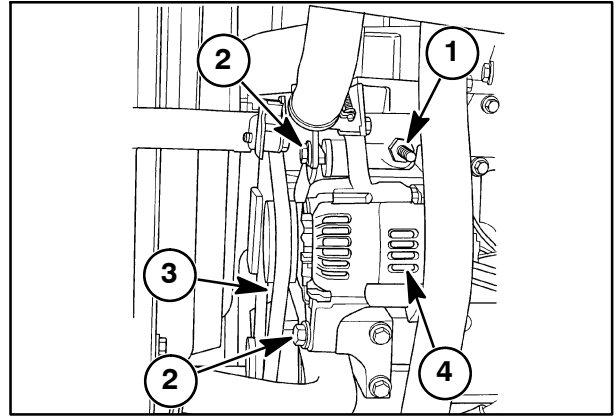


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## TEMPERATURE SENDING SWITCH AND ALTERNATOR

### Removal

1. Remove the temperature sending switch, 1, from the front of the cylinder head.
2. Loosen the alternator mounting bolts, 2, and remove the V-belt, 3, from the drive pulley.
3. Disconnect the wires from the back of the alternator.
4. Remove the alternator mounting bolts and remove the alternator, 4.

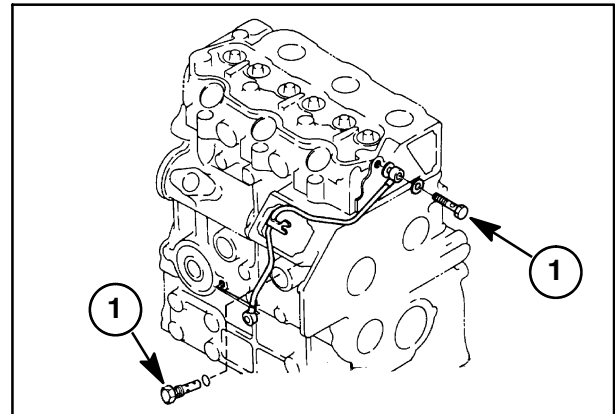


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## FAN, WATER PUMP, AND EXTERNAL OIL TUBE

### Removal

1. Remove the fan and water pump assembly. See "Water Pump and Thermostat Removal" discussed later in this section.
2. Remove the external oil transfer tube banjo bolts, 1, from the front of the cylinder head and the side of the cylinder block and remove the external oil transfer tube.

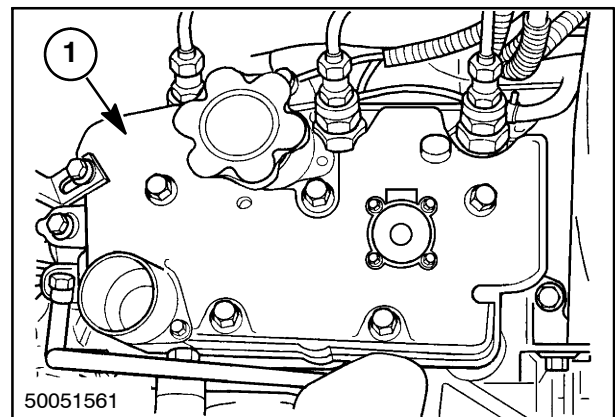


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## VALVE COVER

### Removal

1. Remove the valve cover, 1, and gasket.



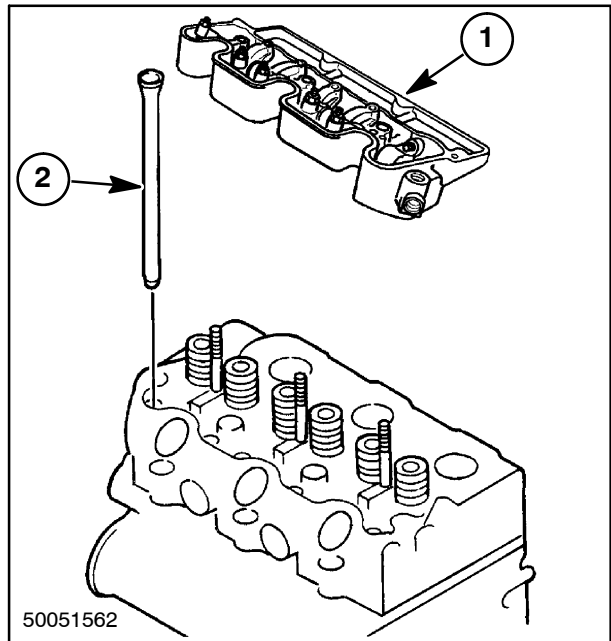
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## ROCKER SHAFT AND PUSH ROD

### Removal

1. Remove the valve rocker arms, shaft, rocker arm supports and springs, as an assembly, 1.
2. Remove the push rods, 2.

**NOTE:** Be sure to keep the valve components in separately marked containers for re-assembly in their original position.

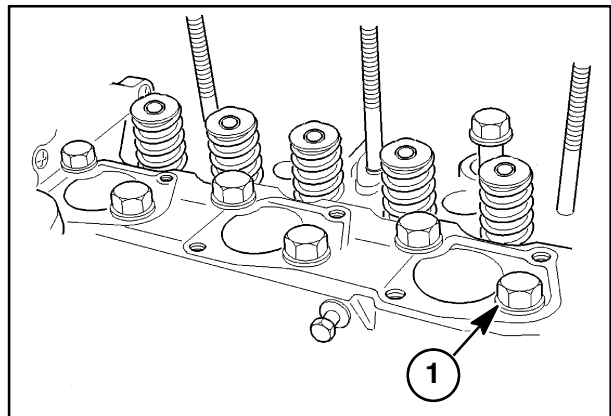


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## CYLINDER HEAD

### Removal

1. To remove the cylinder head, remove the cylinder head bolts, 1, by alternately loosening a half turn at a time to prevent warping the head.



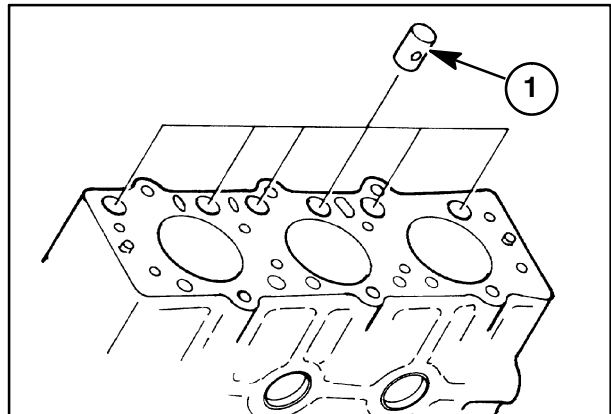
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## VALVE TAPPET

### Removal

1. Remove the valve tappets, 1, from the machined bore in the cylinder block.

**NOTE:** Be sure to keep the valve components in separately marked containers for re-assembly in their original position.

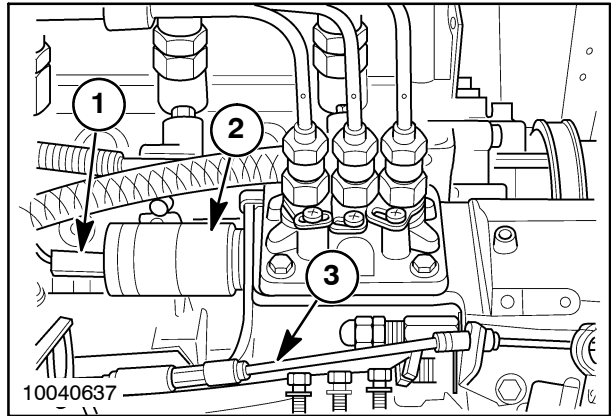


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## FUEL SHUT-OFF SOLENOID

### Removal

1. Remove the wire connector, 1, and unscrew the fuel shut-off solenoid, 2.

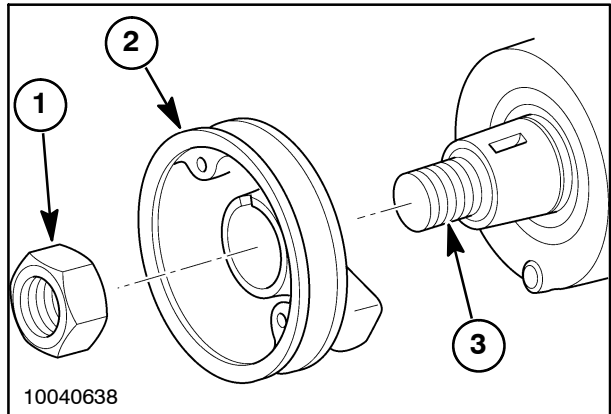


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## ENGINE TIMING GEAR COVER

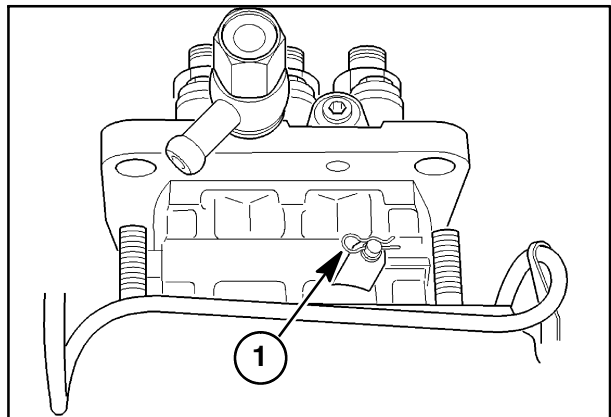
### Removal

1. Drain the engine crankcase oil into a suitable container.
2. Remove the nut, 1, and remove the pulley, 2, from the crankshaft, 3.
3. Disconnect the throttle control cable, 3, from the governor lever, Figure 18.



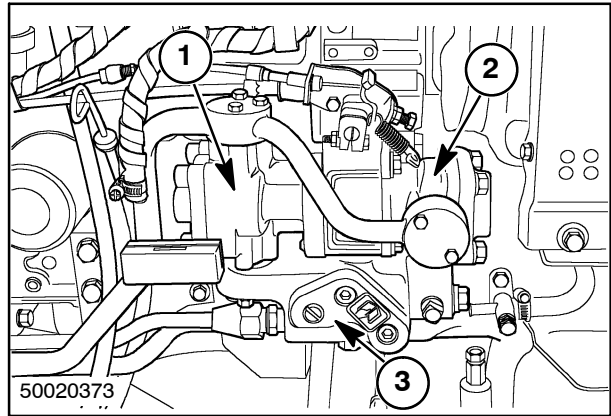
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4. Remove the injection pump mounting bolts and raise the injection pump enough to remove the spring pin, 1, and separate the governor link from the control rack.



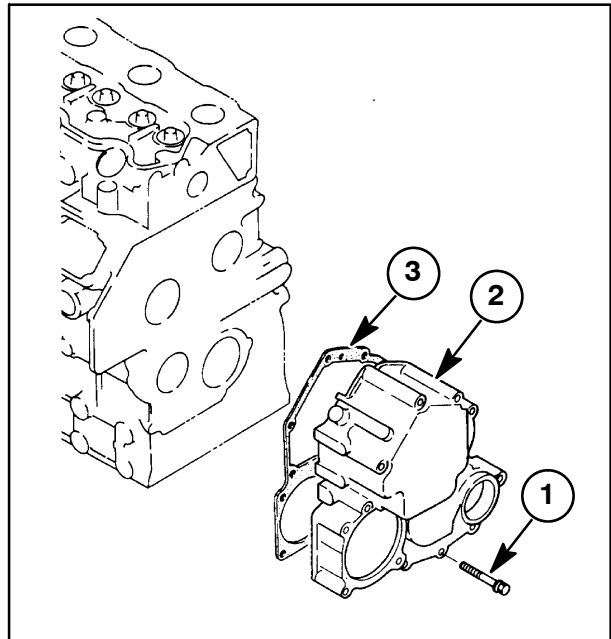
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5. Drain the hydraulic oil from the transmission into a suitable container.
6. Disconnect oil lines from the hydraulic pump and the power steering pump.
7. Remove the hydraulic pump, 1, the power steering pump, 2, and the diverter valve, 3, from the engine.
8. Cap or plug any openings.



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9. Remove the retaining bolts, 1, and lift the front cover, 2, and gasket, 3, off the locating dowels.

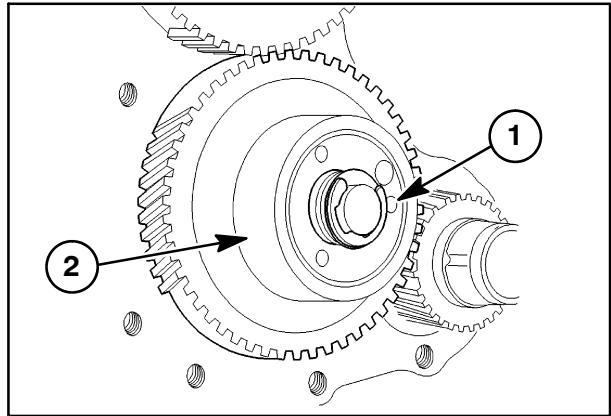


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## TIMING GEARS AND CAMSHAFT

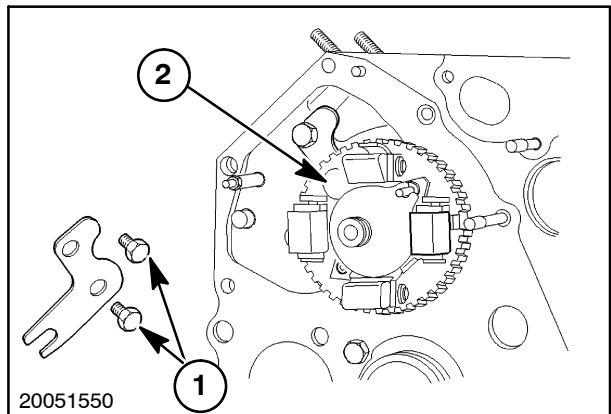
### Removal

1. Remove the retaining ring, 1, and remove the idler gear and oil pump assembly, 2.



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2. Remove the two bolts securing the keeper plate, 1. One bolt must be accessed using the access hole, 2, in the cam gear.
3. Slide the camshaft and gear out of the camshaft bore.

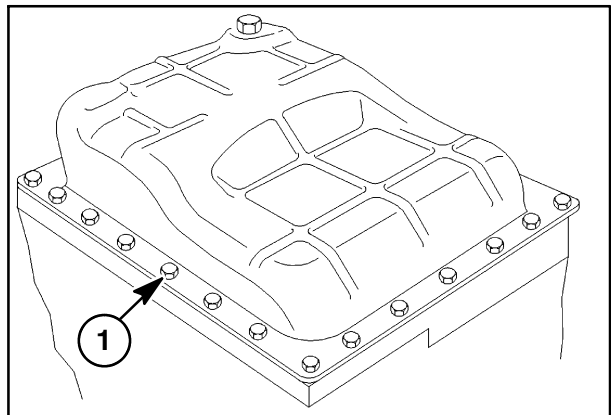


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## OIL SUMP

### Removal

1. Remove the oil sump retainer bolts, 1.
2. Remove the oil sump and discard gasket.

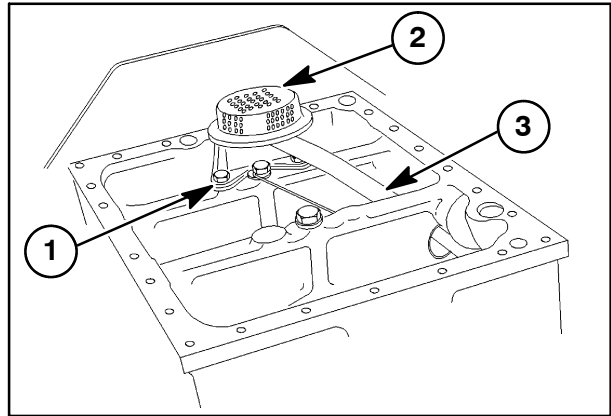


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## OIL SUCTION PIPE AND STRAINER

### Removal

1. Remove the two retaining bolts, 1.
2. Remove the oil strainer, 2, and rotate the oil suction pipe, 3, out of its bore.

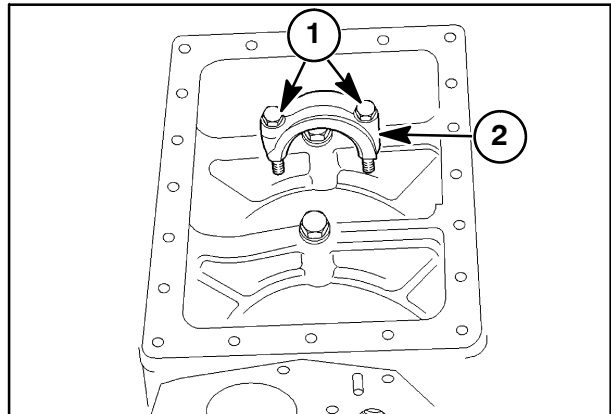


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## CONNECTING RODS, BEARINGS, AND PISTON

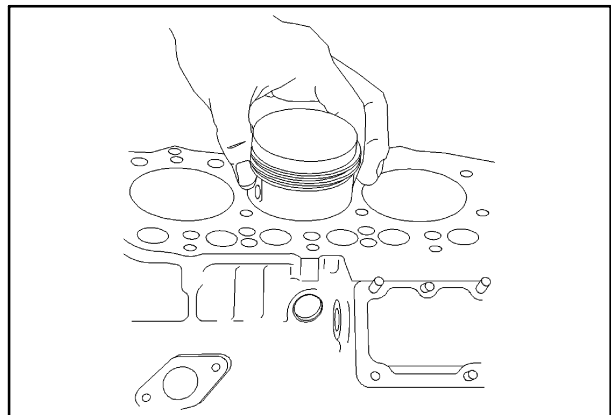
### Removal

1. Remove the bolts, 1, retaining the three connecting rod caps, 2.
2. Remove the connecting rod caps with lower half of the connecting rod bearing.



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3. If necessary, remove any ridge from the top of the cylinder bores using a suitable ridge reamer.
4. Push the piston and connecting rod out of the cylinder block.
5. Replace the connecting rod caps to the piston assembly it was removed from. Keep together in cylinder sequence.



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