

SERVICE MANUAL

T1560 / T1570
Compact Tractors

Print No. 84205613A

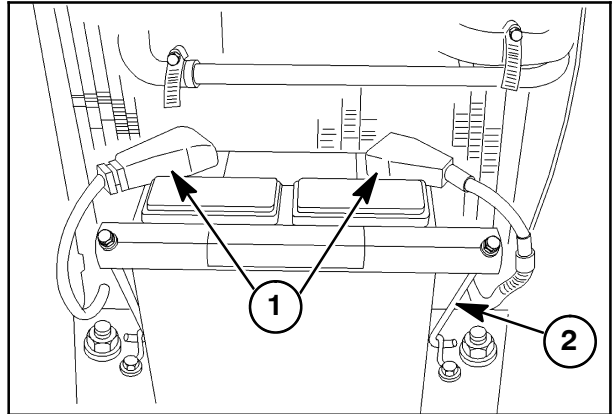


OVERHAUL - ENGINE

ENGINE

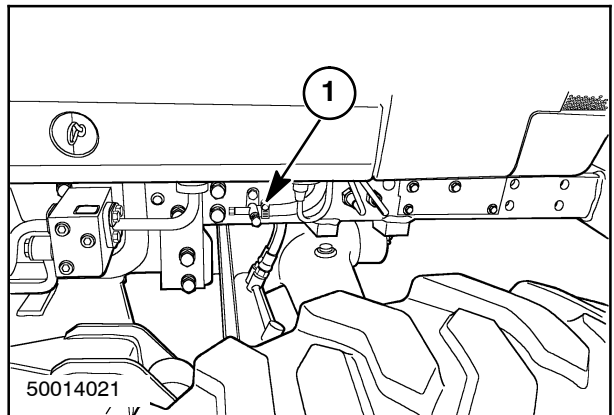
Preparation

1. Disconnect the battery leads (1) and battery hold down bracket (2) to remove the battery.
2. Remove tractor hood and side panels.



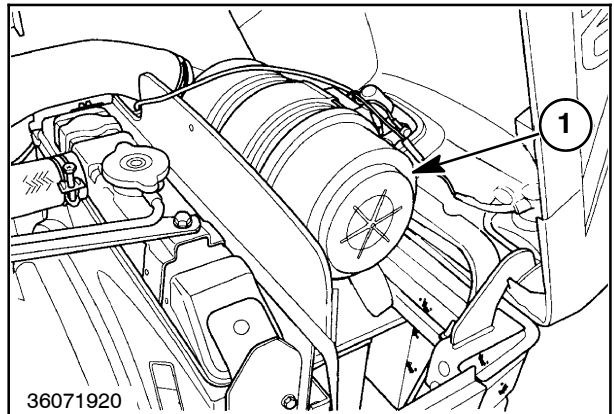
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3. Turn coolant tap bolt (1) counterclockwise to drain fluid. Remove the radiator assembly. See "Radiator Removal", discussed later in this section.



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4. Remove the air cleaner assembly (1) along with the air cleaner hoses.

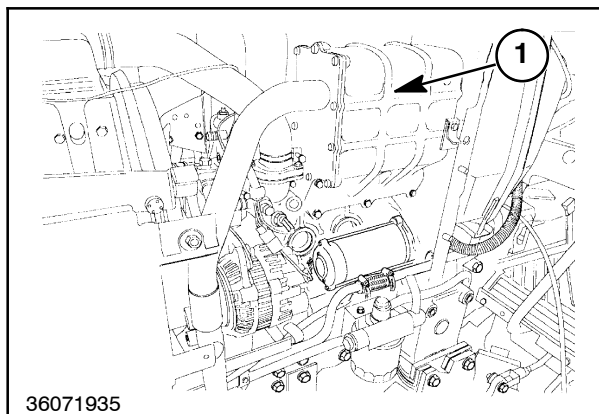


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**WARNING**

Exhaust components may be extremely hot. Let components cool before removing.

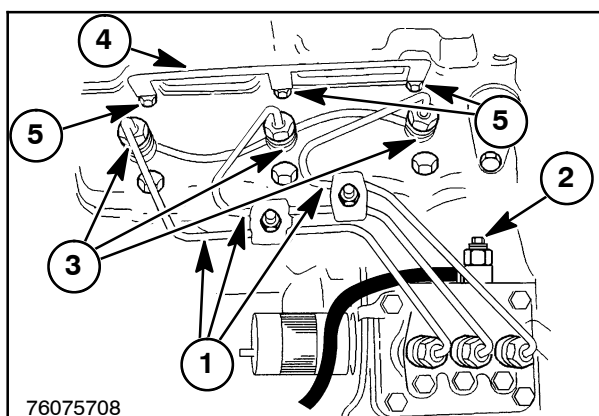
- Remove the exhaust muffler (1) and tailpipe assembly.



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FUEL INJECTOR AND GLOW PLUG**Removal**

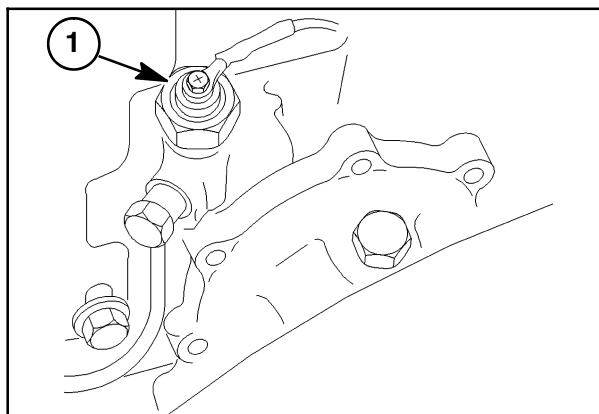
- Clean all dirt and oil from the injectors and surrounding areas.
- Disconnect the fuel lines (1) from the injectors and cap all openings.
- Remove the injector fuel leak-off line (2).
- Remove the injector assemblies (3).
- Remove the glow plug bus connector (4) and remove the glow plugs (5).



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OIL PRESSURE SWITCH**Removal**

- Remove the oil pressure switch (1).

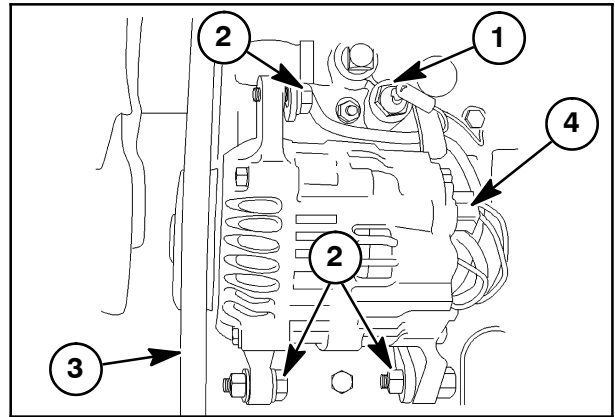


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TEMPERATURE SENDING SWITCH AND ALTERNATOR

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 alternator wires from the back of alternator (4).
4. Remove the alternator mounting bolts (2) and remove the alternator.

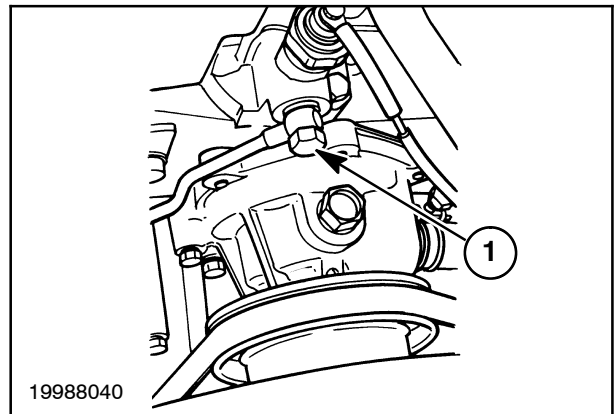


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FAN, WATER PUMP, AND EXTERNAL OIL TUBE

Removal

1. Remove the fan and water pump assembly. See "Fan Removal" and "Water Pump Removal" discussed later in this section.
2. Remove the external oil transfer tube banjo bolt (1) from the front of the cylinder head.



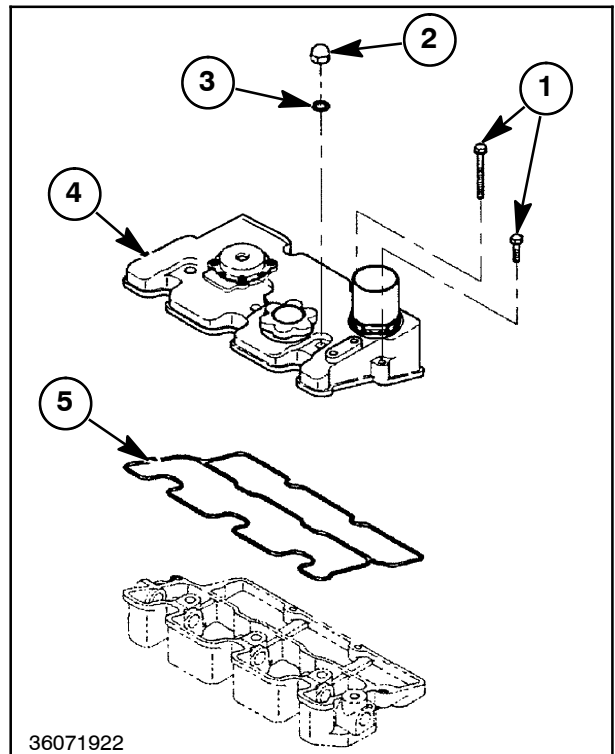
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HEAD COVER

Removal

Remove the retaining bolts (1) cap nuts (2) and seal washers (3) and remove the head cover (4) with gasket (5).



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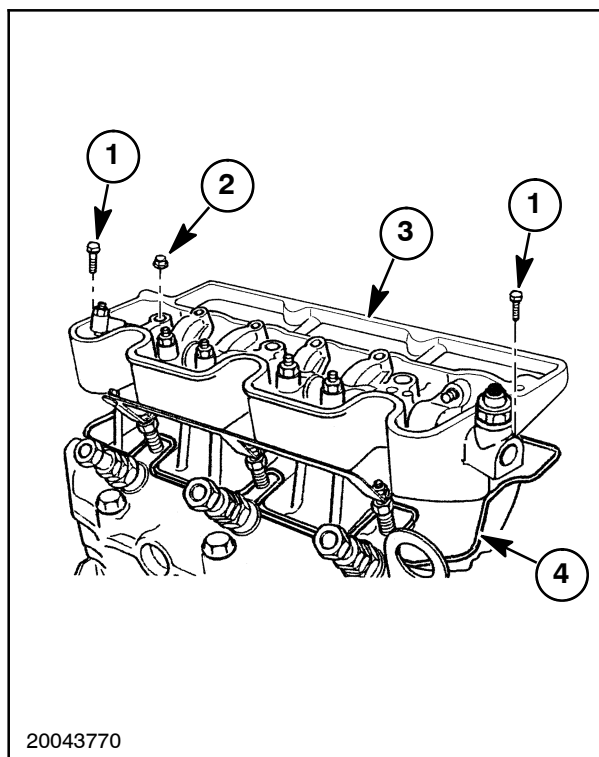
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ROCKER ARM SHAFT AND SUPPORT BRACKET

Removal

Remove the bolts (1) and nuts (2) remove the rocker arm shaft and support bracket as an assembly (3) and gasket (4).

NOTE: Alternately loosen the rocker support bolts a turn at a time to prevent distorting the rocker shaft.



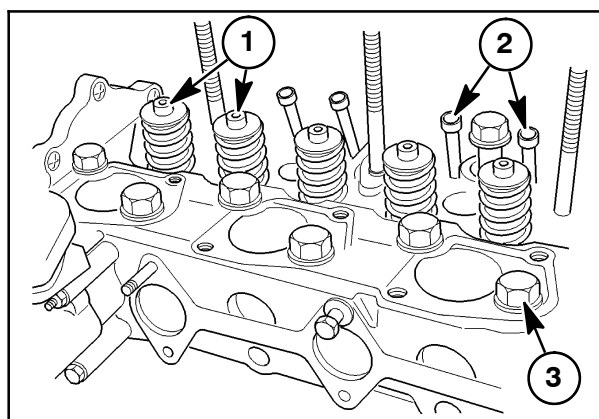
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CYLINDER HEAD

Removal

NOTE: Keep all valve components in separately marked containers for re-assembly in their original location

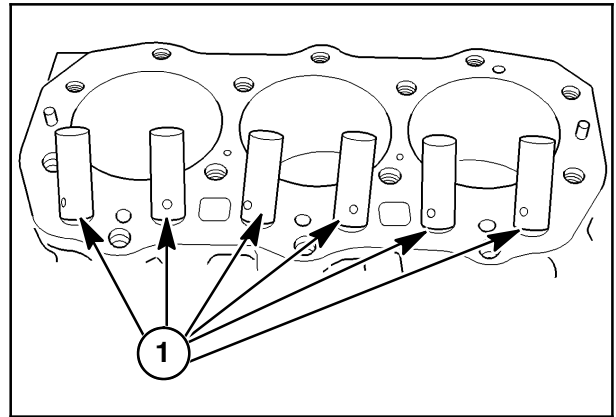
1. Remove the valve stem caps (1) and push rods (2).
2. To remove the cylinder head, remove the cylinder head bolts (3) by alternately loosening a half turn at a time to prevent warping the head.



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VALVE TAPPET**Removal**

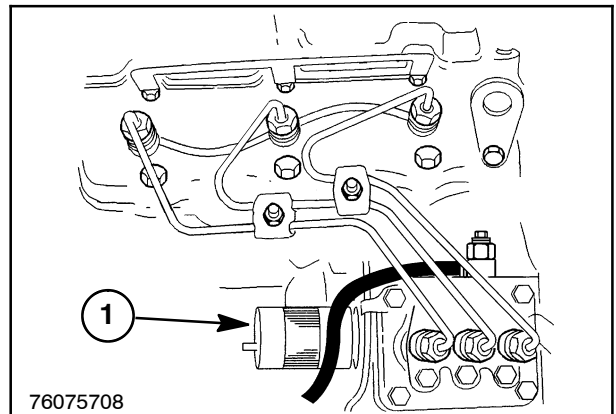
Remove the valve tappets (1) from the machined bore in the cylinder block.



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FUEL SHUTOFF SOLENOID**Removal**

Remove the wire connector and unscrew the fuel shutoff solenoid (1).

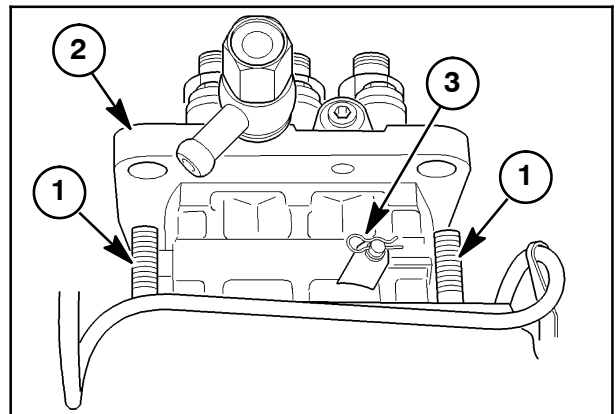


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TIMING GEAR COVER**Removal**

1. Drain the engine crankcase oil.
2. Remove the crankshaft pulley.
3. Disconnect the throttle control rod at the injection pump.
4. Loosen the four injection pump mounting bolts (1) and raise the injection pump (2) enough to remove the spring pin (3) and separate the governor link from the control rack. Remove the injection pump.



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