

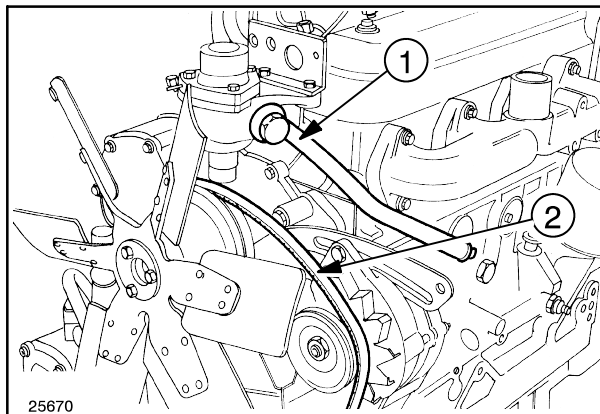
Op. 10 001 54

Disassembly

**WARNING**

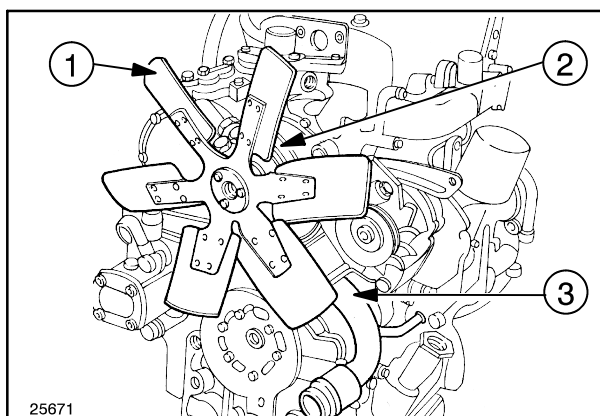
Handle all parts carefully. Do not put your hands or fingers between parts. Wear suitable safety clothing - safety goggles, gloves and shoes.

1. Remove the pipe (1) from the thermostatic valve seat, loosen the alternator retaining bolts and remove the fan drive belt (2).



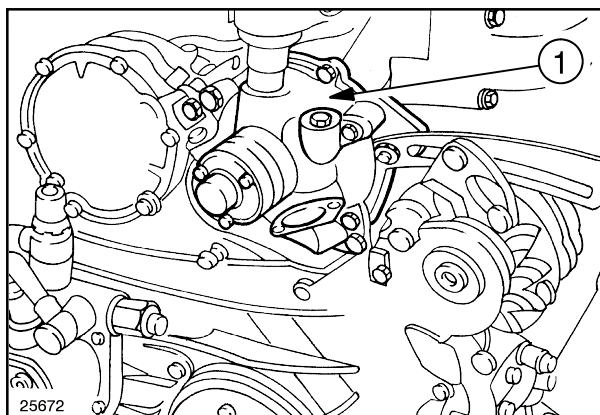
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2. Remove the retaining bolts, fan (1), spacer and drive pulley (2), detach the return pipe (3) from the coolant pump.



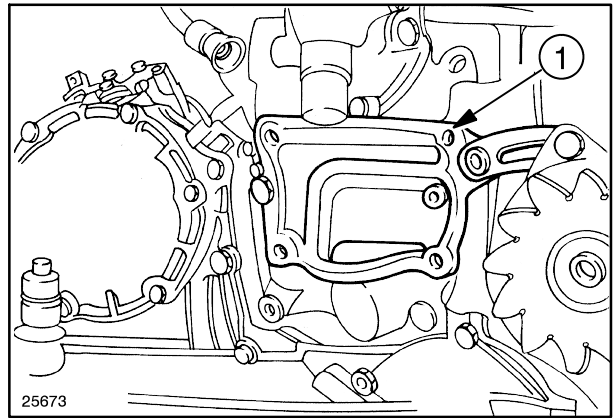
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3. Remove the retaining bolts and detach the coolant pump (1).



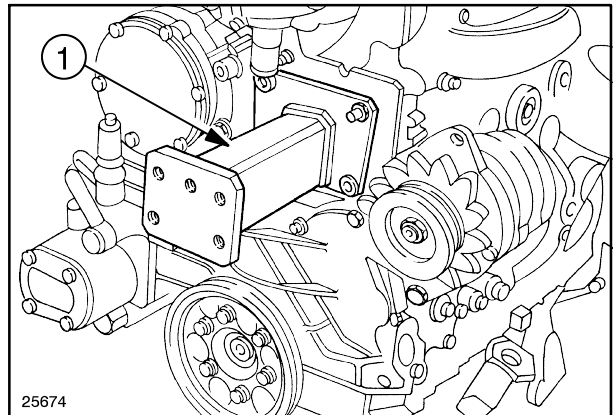
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4. Remove the retaining bolts and detach the coolant pump support (1).



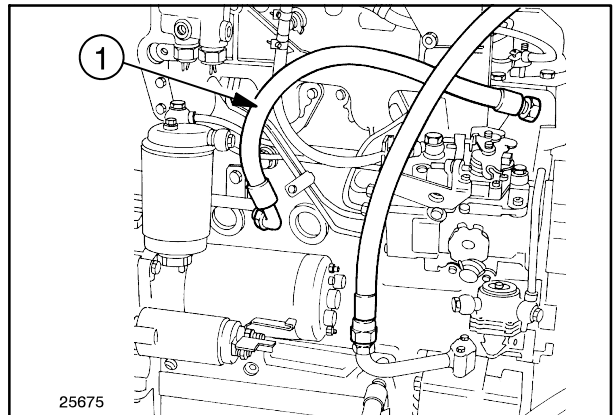
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5. Install the mounting bracket (1), of the set **380000313**, to the engine and secure to the rotary stand **380000301**.



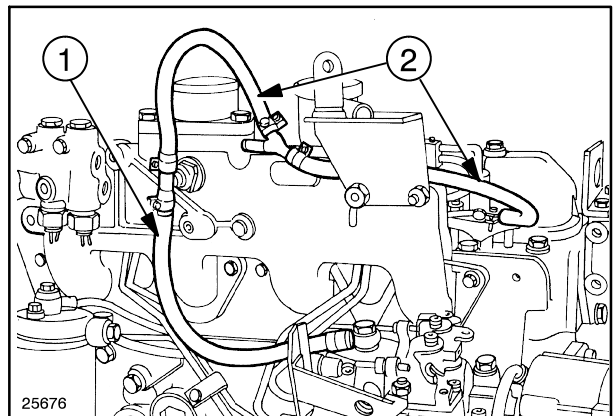
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6. Detach the pipes (1 and 2) from the crankcase and the services hydraulic pump.



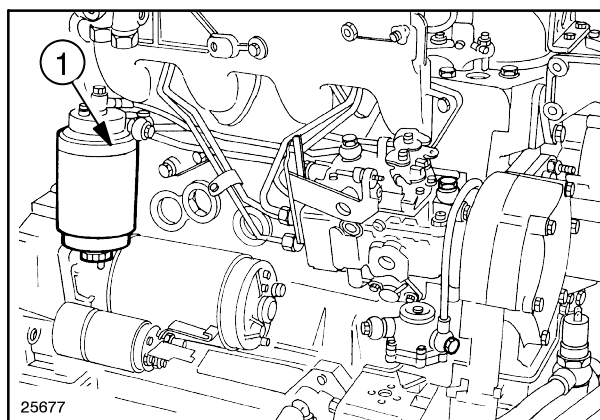
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7. Detach the thermostarter supply and return lines (2) and the injector pipes (1).



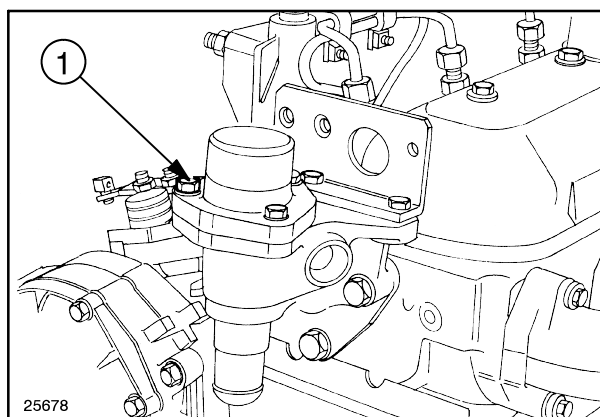
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8. Unscrew the unions (2 and 3) on the injection pump and fuel pump, remove the retaining bolts and extract the fuel filter (1), complete with support and lines.



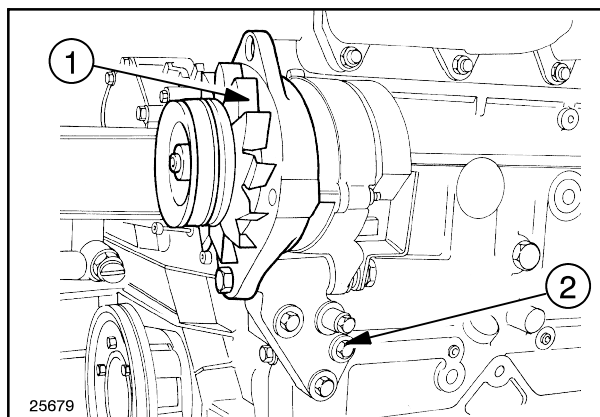
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9. Remove the retaining bolts and disconnect the complete thermostatic valve unit (1).



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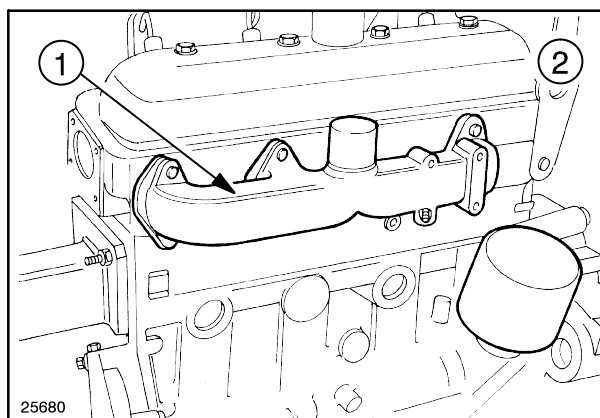
10. Remove the retaining bolts and remove the alternator (1), complete with support (2).



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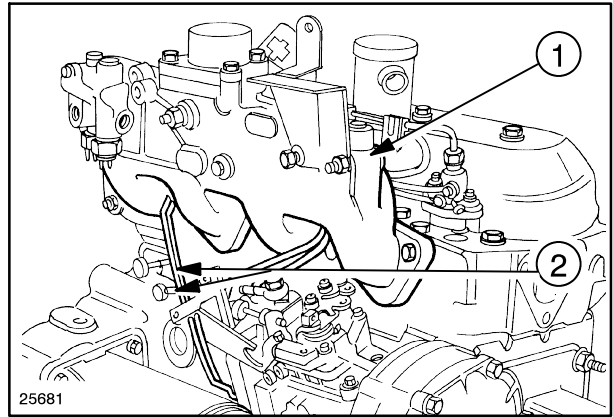
11. Unscrew the retaining bolts and disconnect the exhaust manifold (1).

12. Remove the engine oil filter (2).



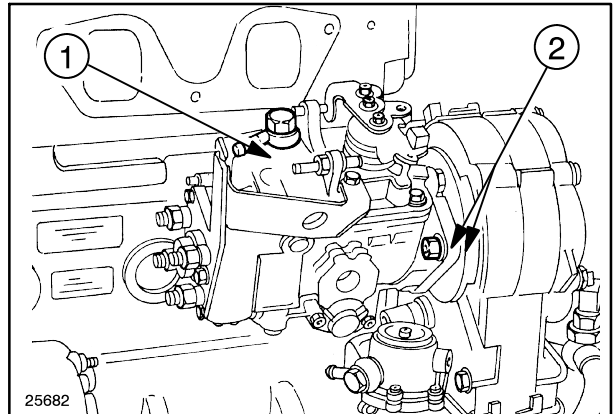
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13. Disconnect the injection pump and injectors line (2).
14. Remove the retaining bolts and remove the intake manifold (1).



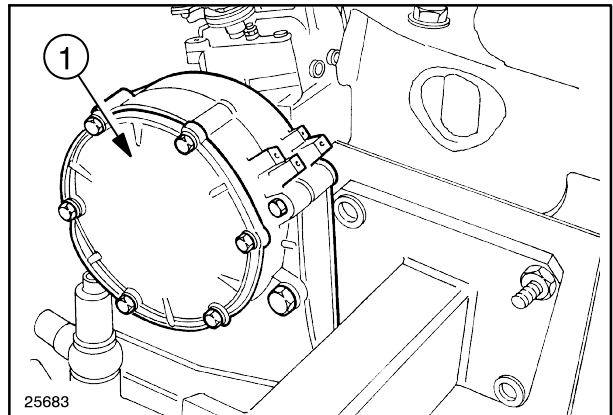
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15. Ensure that there are reference marks (2) for injection pump timing operations and remove the pump retaining bolts (1). Must lock time pump before removing. See "Injection Pump" Removal in Chapter 4.



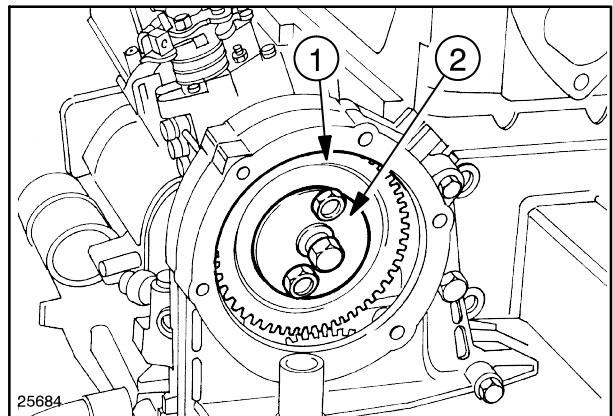
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16. Remove the access cover (1) of the injection pump drive gear box.



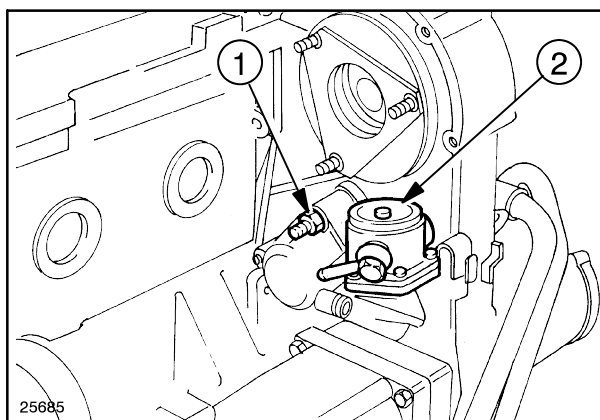
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17. Unscrew the nut securing the injection pump to the drive gear (1).
18. Extract the injection pump drive gear using tool **380000489** (2) and recover the injection pump and the woodruff key.



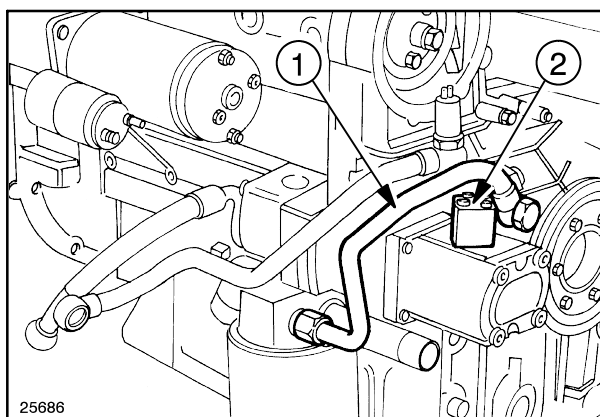
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19. Unscrew the retaining nuts (1) and recover the fuel pump support (2).



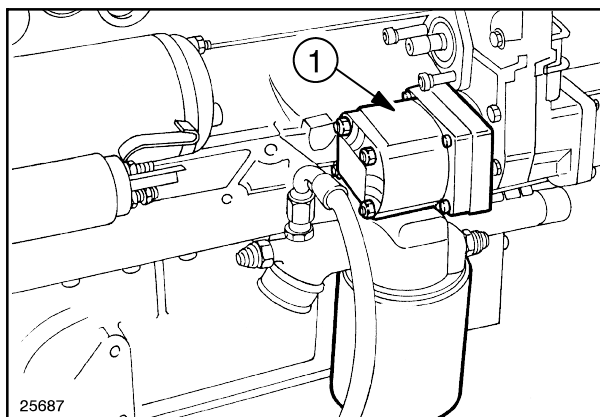
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20. Disconnect the filter pipe (1), loosen the retaining bolts on the pressure relief valve (2) and remove the valve.



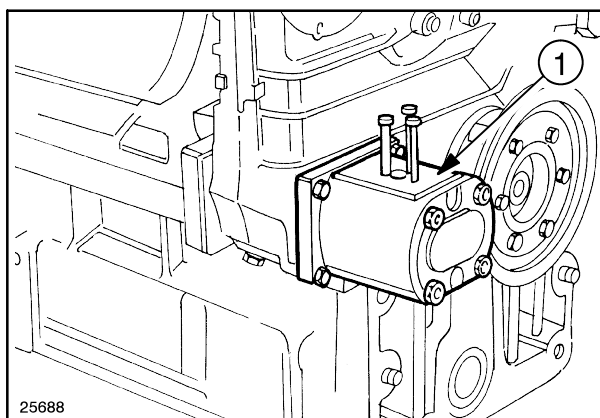
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21. Remove the retaining bolts and disconnect the hydraulic pump (1), together with the oil filter (2).



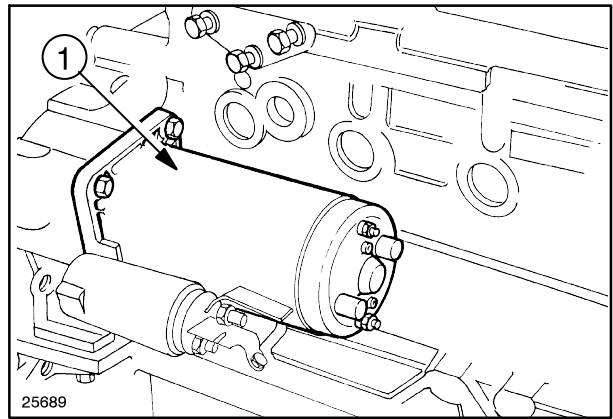
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22. Remove the retaining bolts and extract the lift drive hydraulic pump (1).



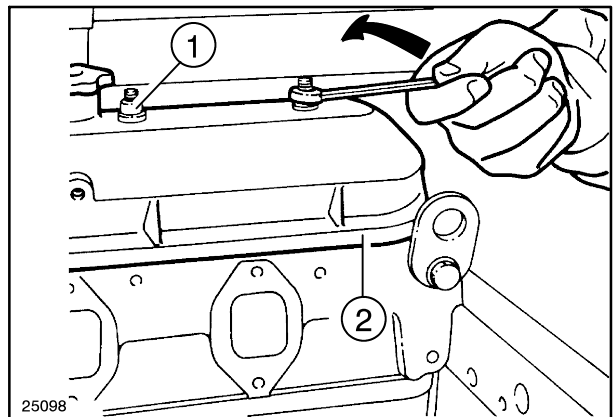
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23. Remove the retaining bolts and detach the starter motor (1).



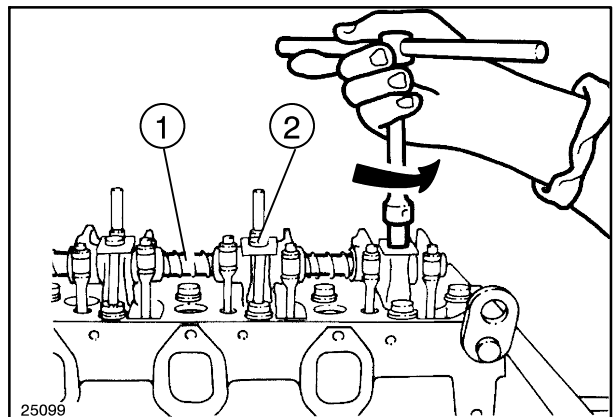
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24. Remove the injector mounting nuts, the underlying spherical washers, then the supports and the injectors themselves.
25. Remove the rocker cover bolts (1), washers and seals, and then the rocker cover (2) and its gasket.



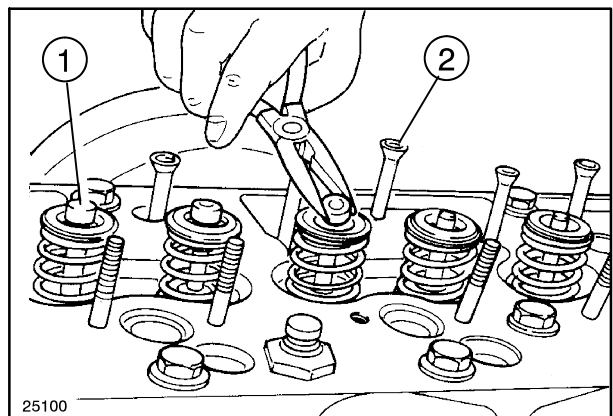
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26. Remove the rocker shaft retaining bolts (2), then remove the entire rocker shaft assembly (1).



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27. Remove the valve collets (1) and extract the pushrods (2).



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