

General

Applies to engines with cylinder block generation 2.



WARNING!

The fuel system has a very high fuel pressure of up to 3,000 bar. The fuel system must be depressurised using SDP3 before any work is started.

The system should always be treated as pressurised, even when the engine is switched off.

Wear protective gloves and goggles.

Tools

Examples of suitable tools from Scania:

Part number	Designation
99 614	Lifting tool
588 955	Socket

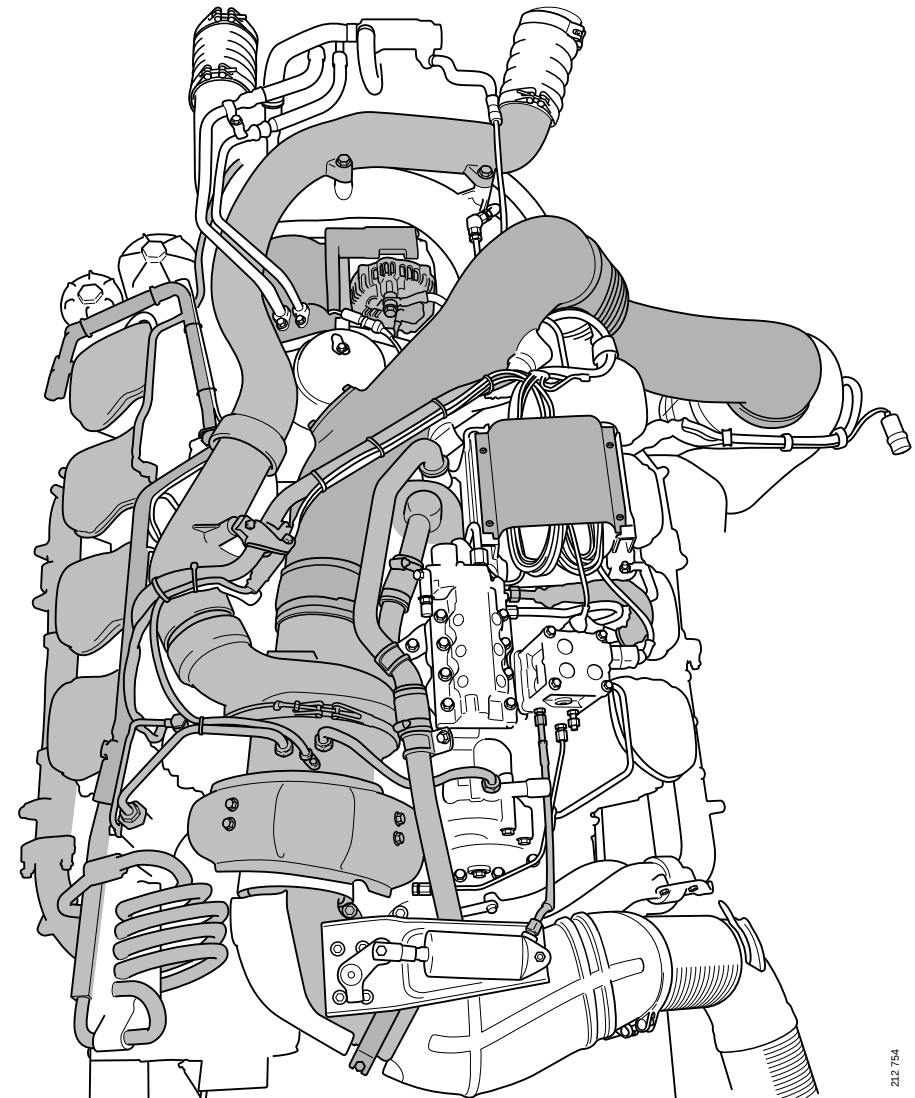
Work description

- Wash the engine
- Drain the coolant
- Evacuate the pneumatic system

Removing various parts

Remove the parts in the following order:

1. Turbocharger



Remove the parts marked in grey

212 754

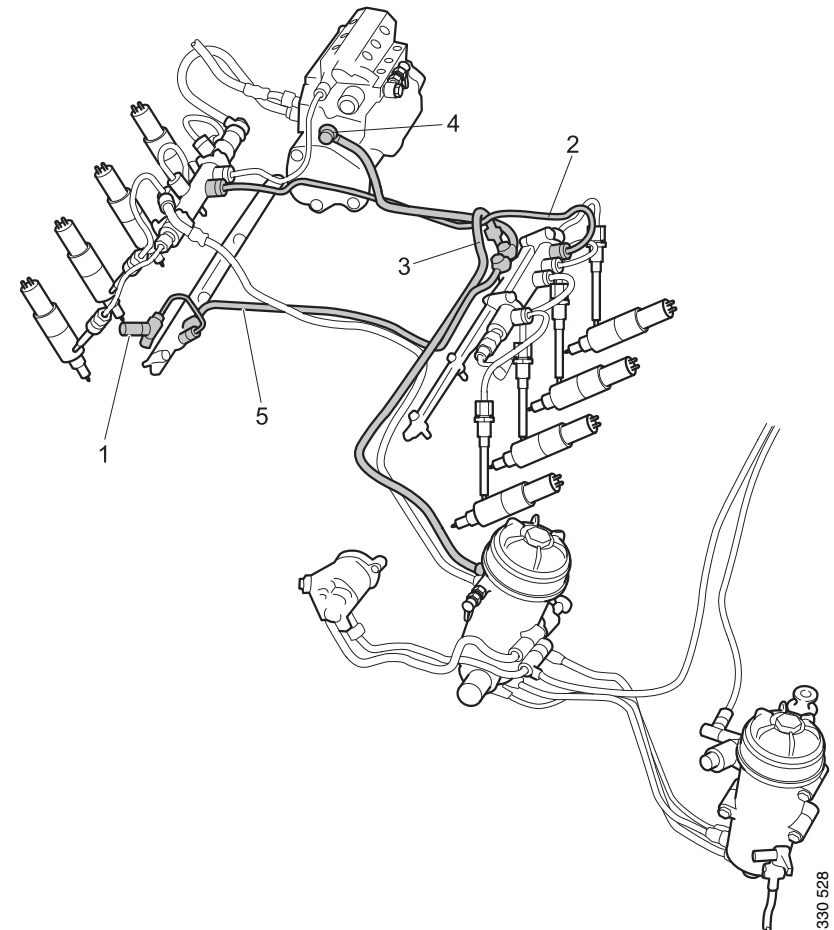
Removing the left-hand cylinder head bank

2. Belt transmission
3. Oil mist separator
4. Alternator
5. AC compressor
6. Inlet pipe to compressor
7. Cooling coil for compressor
8. Connecting pipe between the intake manifolds

Removing the fuel system

Remove the parts in the following order:

1. Test connection for fuel pressure
2. High pressure pipe between right-hand and left-hand accumulators
3. Fuel pipe between the fuel manifold and the fuel filter
4. High pressure pipe between high pressure pump and left-hand accumulator
5. Connection pipe between right-hand and left-hand fuel manifolds



Removing the left-hand cylinder head bank

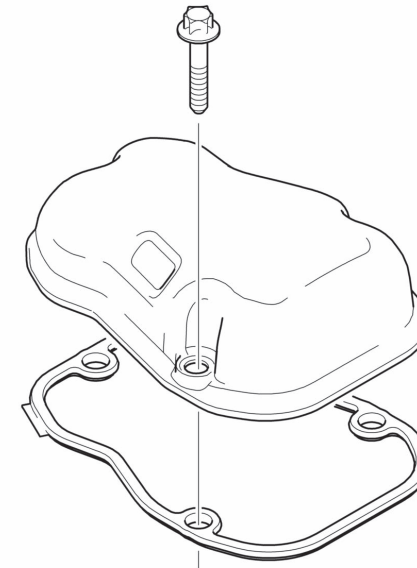
Work description

Removing the cylinder head bank

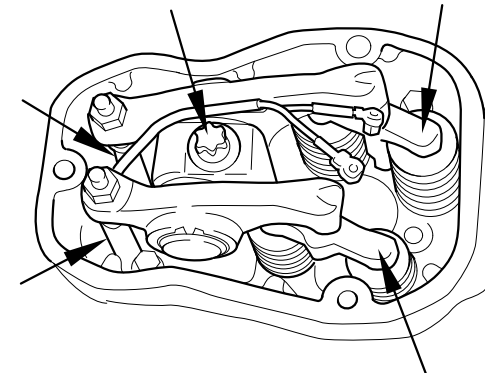
Remove the parts in the following order:

1. Exhaust manifold on left-hand cylinder head bank
2. Upper rocker cover

3. Rocker arm bracket, valve bridges and pushrods



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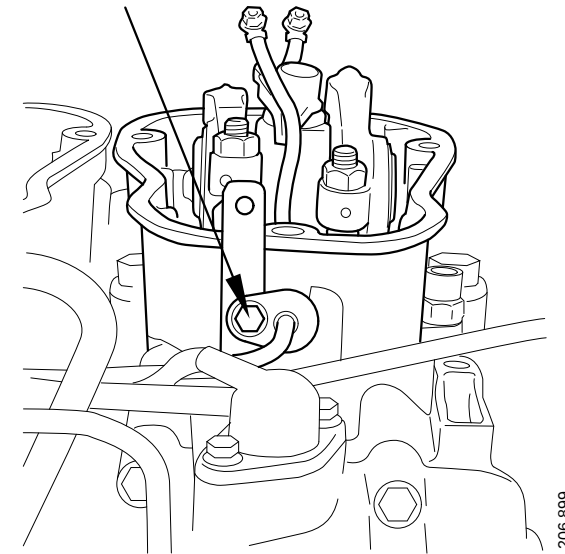


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Removing the left-hand cylinder head bank

Work description

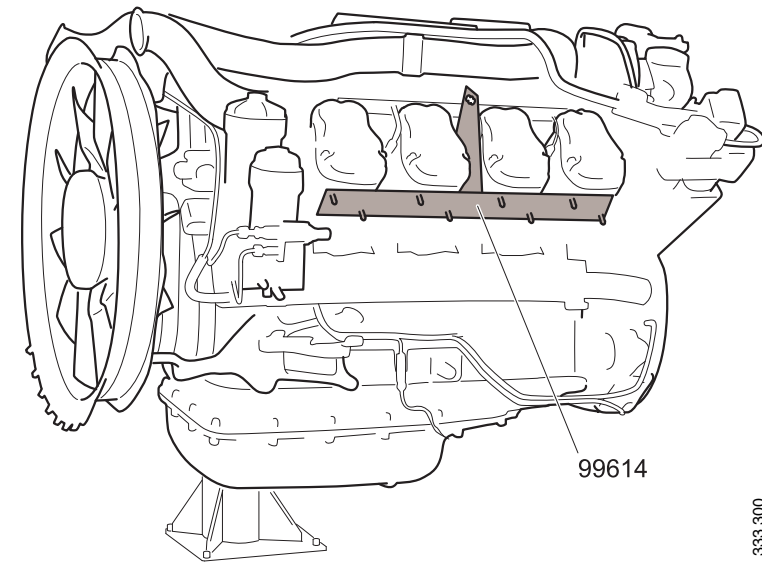
4. Cable harness and the lower rocker cover
5. Injectors



Removing the left-hand cylinder head bank

Work description

6. Fit the lifting tool for removing the cylinder head bank. Special tool 99 614
7. Remove the bolts on the right-hand cylinder head bank
8. Lift the cylinder head bank off the cylinder block



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