

Vauxhall Movano 1998-2003 Workshop Manual

ESSENTIAL SPECIAL TOOLING

Min. 120	Pipe supports for high pressure diesel pipes
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EXCESSIVE TORQUES (in kgf cm)

Mounting nuts for exhaust manifold	2.5
Nuts for oil delivery pipe	1.2
Mounting studs	1

The turbocharger and the intake manifold do not have to be taken out to remove the exhaust mount bolts.

REMOVING

Enter the vehicle via a lift (maximum of 5 tonnes) or so that it is over a pit (see side stands).

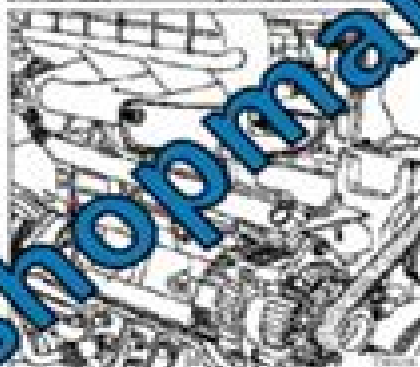
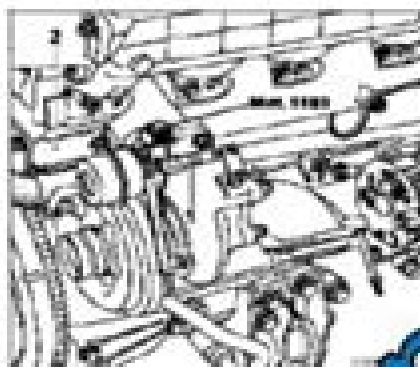
Disconnect the battery.

Working from underneath the vehicle, remove the guard under the engine.

- the exhaust down pipe,
- the turbocharger oil return pipe.

Working from above the vehicle, remove:

- the air filter unit assembly with the housing, the air intake pipe for the turbocharger,
- the starter motor protection plate,
- the oil delivery pipe via the turbocharger using tool Min. 120 to do this, disconnect the warning control (if),
- the way holding the turbocharger (if),
- the hose clamps on the manifold (if),
- the exhaust manifold mounting bolts and take out the manifold from underneath the vehicle (exhaust manifold/turbocharger assembly not required).



REMOVING

Bolts in reverse order to removal.

COMMENT: When refitting, always replace all nuts and gaskets for the manifold and for the turbocharger oil return pipe with new ones.

REMOVING

Bolts in reverse order to removal.

NOTE: When refitting, always replace all nuts and gaskets on the exhaust manifold with new ones.

REMOVING THE METAL EXHAUST PIPE AT THE BACK OF THE ENGINE

Disconnect the battery.

REMOVING

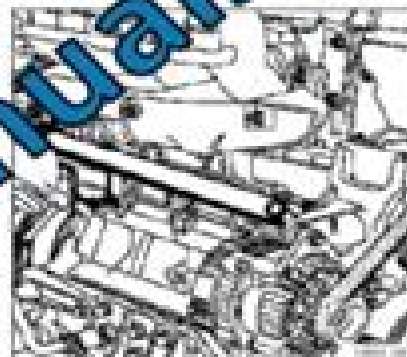
Remove:

- the air filter unit,
- the intake manifold for the air filter unit,
- the air filter to turbocharger pipe.

Disconnect the hose from the pipe for the pipe and the downstream bracket.

Remove:

- the expansion bolts,
- the lower bracket for the down pipe.



REMOVING THE METAL EXHAUST PIPE AT THE FRONT OF THE ENGINE

Enter the vehicle via a lift (maximum of 5 tonnes) or so that it is over a pit (see side stands).

Disconnect the battery.

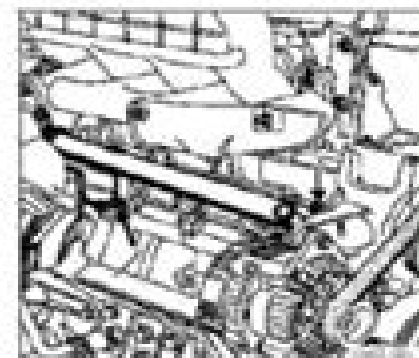
REMOVING

Remove:

- the guard under the engine,
- the air filter unit,
- the intake manifold for the air filter unit,
- the oil return.



- the down pipe mounting bolts,
- the pipe.



Clear the gasket contact surface on the waste pump.

REMOVING

Bolting is in reverse order to removal.

Fill up and bleed the cooling circuit (see section on 'filling and bleeding').

- the two bolts (2) on the metal pipe bracket.



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Peter G. Strasman, John Harold Haynes



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