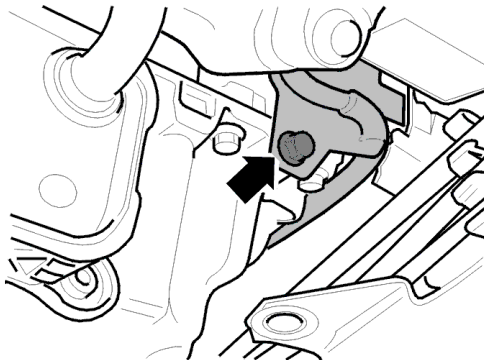


Oil sump replacement

Special tools: [951 2767](#)



Preparation

Remove

- the oil dipstick and its pipe.
- the splashguard under the engine.

Drain the engine oil and remove the oil filter. Release the oil cooler from the sump. Hang up at the rear.

Remove the screw from the bracket for the fuel line.

Removing the oil sump

Slacken off all screws holding the oil sump. Remove all screw except for four. It is recommended that the four screws in the corners of the sump are left in place. Carefully tap the sump with a rubber mallet until the joint and its liquid gasket releases. Remove the four remaining screws. Remove the sump.

Cleaning

Clean the gasket surfaces on the oil sump and cylinder block. Use a razor blade or a gasket scraper and gasket solvent P/N 1161 440.

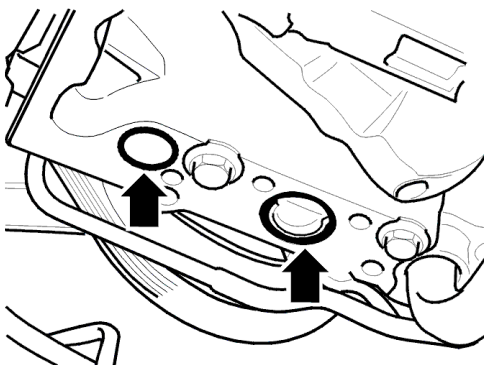
Warning! Use a fume bonnet or extractor when using gasket solvent.

Installing the oil pan

Apply liquid gasket 1161 059-9 to the sump. Use roller [951 2767](#).

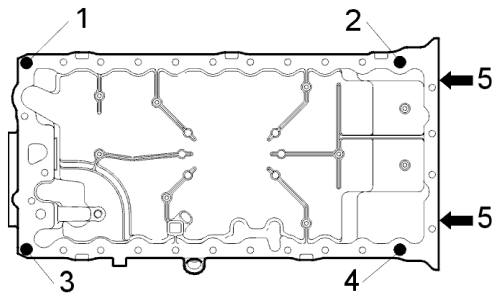
Install

- new O-rings.
- the oil sump. Secure it loosely with a few screws.
- the remaining screws loosely.



Press the sump against the gearbox. Tighten the screws (1), (2), (3) and (4) to **3 Nm**. First tighten the screws (5) to **25 Nm**. Then tighten to **48 Nm**.

Tighten all screws in the sump joint to 17 Nm. Start at the gearbox and continue forwards in pairs.



Install the screw for the bracket for the fuel line.

Connect the oil cooler to the sump. Use new O-rings. Reinstall the pipe on the sub-frame.

Install

- a new oil filter.
- the oil plug with a new gasket.
- the oil dipstick and its pipe. Use a new O-ring.

Note! Check that the O-ring is correctly positioned.

Fill with engine oil. Run the engine to operating temperature.

Check for oil leaks from the oil sump or oil cooler.

Install the splashguard under the engine.

Check the oil level. Top up if required.