

Replace the sump

Special tools: [951 1205](#)

Preparations

Remove the oil dip stick and pipe. Raise the car.

Drain the engine oil. See [Replacing the oil and oil filter](#).

Remove the support brace between the control arms.

Removing the front-rear member

Remove:

- the front and rear splash guards under the engine
- the heat deflector plate in front of the output shaft
- the nuts from the engine mountings at the front and rear edges
- four screws (two long and two short)
- the two screws from the engine mountings.

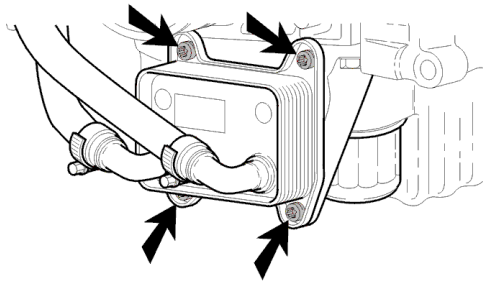
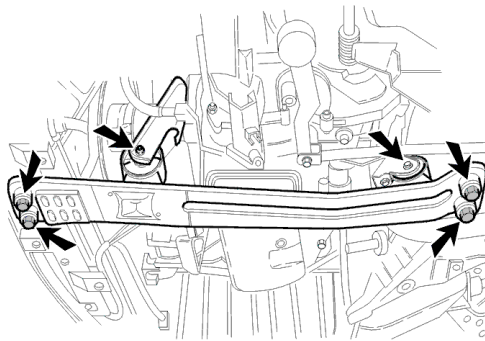
Remove the front-rear member.

Removing the oil cooler

Applies to 98– model year only

Remove the four screws from the oil cooler.

Detach the oil cooler from the sump. Leave the oil cooler hanging from the coolant hoses.



Removing the sump

Slacken off all the screws holding the sump.

Remove all but four screws. It is recommended that the four screws in the corners of the pan are left in place.

Carefully tap the sump until the joint and its liquid gasket releases. Use a rubber mallet.

Remove:

- the four remaining screws
- the oil sump.

Cleaning

Clean the gasket surfaces on the sump and cylinder block. Use a razor blade or a gasket

scraper and gasket solvent **116 1440**.

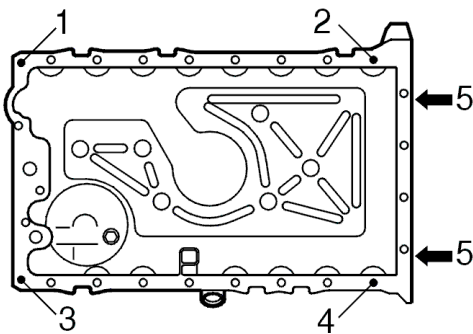
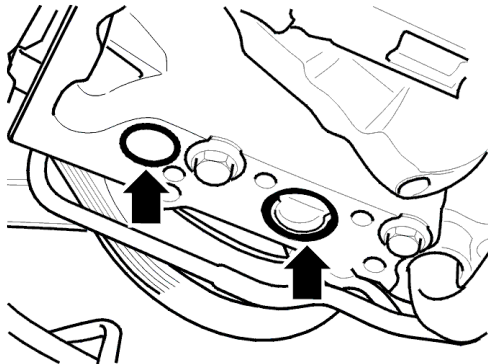
Warning! Use a fume bonnet or extractor when using gasket solvent.

Installing the sump

Apply liquid gasket **116 1059-9** to the sump.
Use roller **951 1205**.

Install:

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



Press the sump against the gearbox. Tighten the screws (1), (2), (3) and (4). Tighten to **3 Nm**. Tighten the screws (5). First tighten to **25 Nm**. Then tighten to **48 Nm**. Tighten all screws in the sump joint. Tighten to **17 Nm**. Start at the gearbox and continue forwards in pairs.

Applies to 98– model year only

Connect the oil cooler to the oil sump. Use four screws. Tighten to **17 Nm**. Use new O-rings.

Installing the front-rear member

Install the front-rear member on the front engine mounting.

Press the engine forward. Secure the front-rear member on the rear engine mounting. Install the front-rear member to the body. Use four screws. Tighten to **69 Nm**.

Tighten the screws in the engine mountings. Tighten to **55 Nm**.

Install:

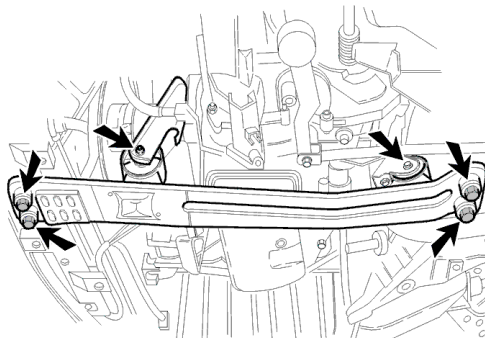
- the heat deflector plate in front of the output shaft. Tighten to **10 Nm**
- the support strut between the suspension turrets. Tighten to **55 Nm**.

Install new oil filter. See:

- model year –97, **Replace oil and oil filter**
- model year 98–, **Replace oil and oil filter**.

Install:

- the oil plug with a new gasket. Tighten to **35 Nm**
- dip stick with 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 sump or oil cooler.

Install the front and rear splash guards under the engine.

Check the oil level. Top up as necessary.