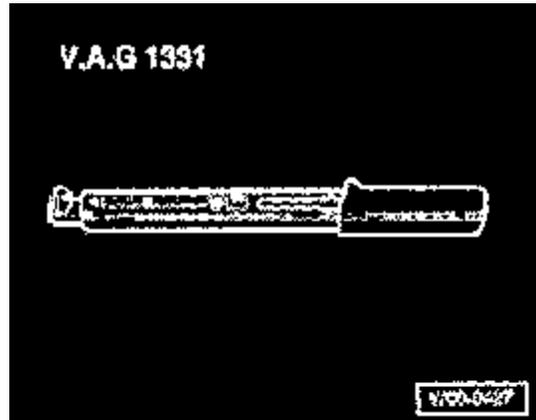


Oil Pan: Service and Repair

Oil pan, removing and installing

Special tools and equipment



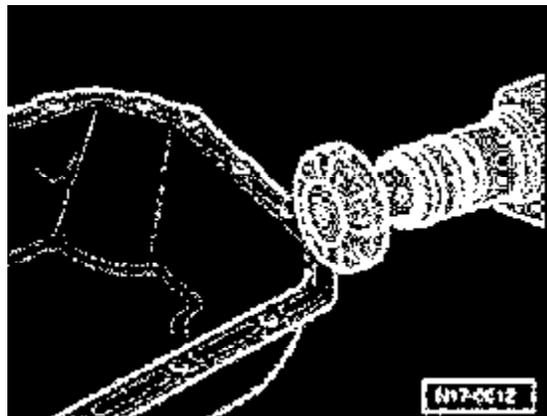
- VAG1331 torque wrench (**5 to 50 Nm**)
- D 176 404 A2 silicon sealant
- Drill with plastic brush attachment
- Scraping tool

Removing

- Remove noise insulation pan:
- Drain engine oil.

Note: Observe disposal regulations.

- Unbolt oil pan.
- It may be necessary to loosen oil pan by hitting it lightly with a rubber mallet.
- Remove any remaining sealant from cylinder block using a scraping tool.

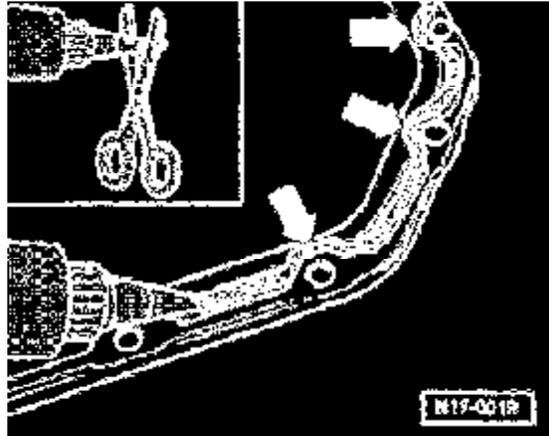


- Remove remaining sealant at oil pan using a rotating brush, e.g. a drill with plastic brush attachment (wear protective glasses).
- Clean sealing surface. They must be completely free of oil and grease.

Installing

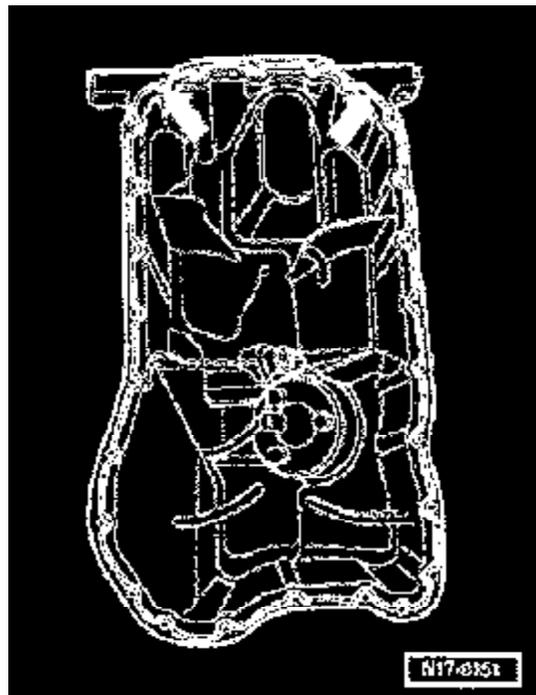
Notes:

- Note expiration date for sealant.
- The oil pan **must be installed within 5 minutes** after application of silicon sealant.



- Cut tube nozzle at front marking (nozzle approximately 3 mm).
- Apply silicon sealant to clean sealing surfaces of oil pan as shown. Sealant bead must:
 - be **2 to 3 mm thick**
 - continue to inner side in area of screw holes (arrows)

Note: Sealant bead must not be thicker than specified. Otherwise, excess sealant could get into oil pan and clog strainer in intake line of oil pump.



- Apply silicon sealant (arrows) to clean sealing surface of oil pan as shown in illustration.
- Position oil pan immediately and tighten all oil pan screws a little bit.
- Tighten oil pan screws to **12 Nm**.
- Tighten bolts between oil pan and transmission to **45 Nm**.

Note: After installing oil pan, allow sealant to dry for **approximately 30 minutes**. Allow sealant to dry before adding engine oil.

The rest of the installation follows the reverse of the removal procedures.