

11 43 010 Replacing oil level indicator

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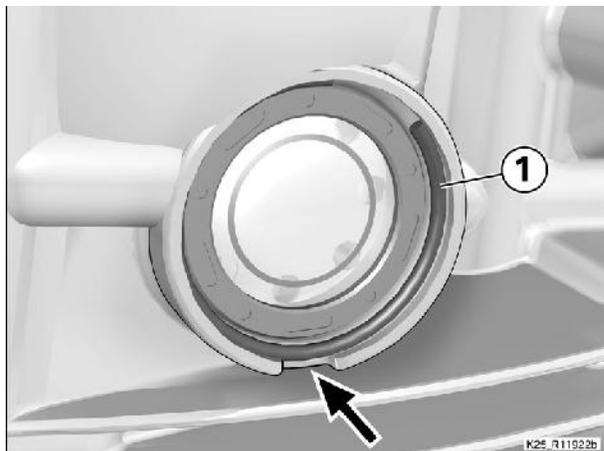
Preparatory work

Draining engine oil

Core activity

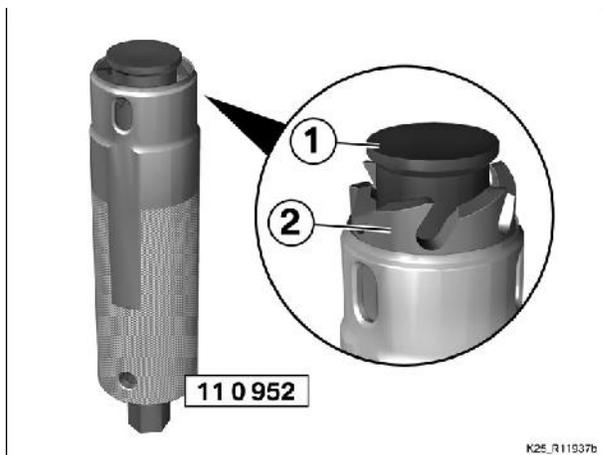
(-) Removing circlip

- Pry circlip (1) out at the bottom at the recess (arrow) and remove.



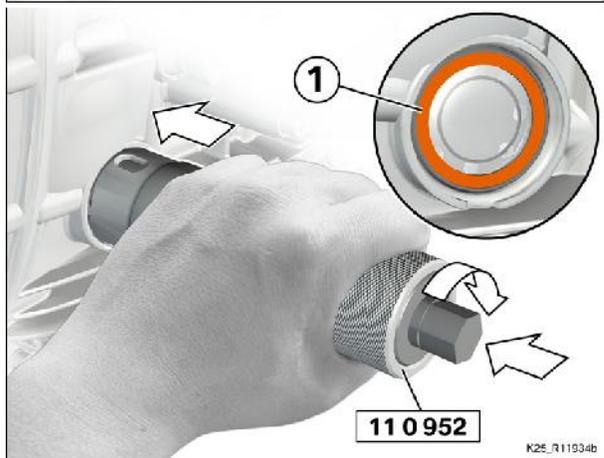
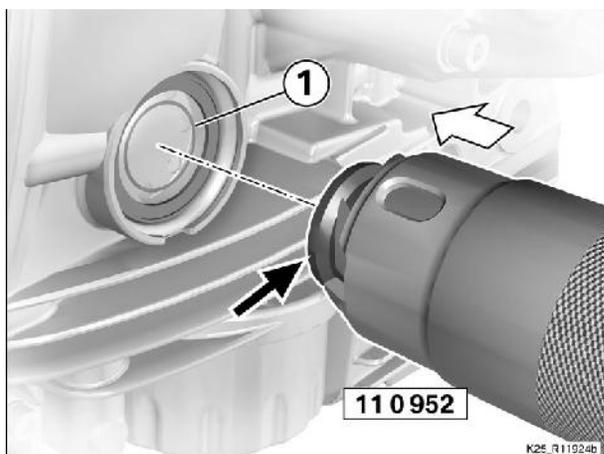
(-) Function, milling cutter

- Milling cutter (No. 11 0 952):
 - Guide (1)
 - Milling head (2)



(-) Milling out rubber seal

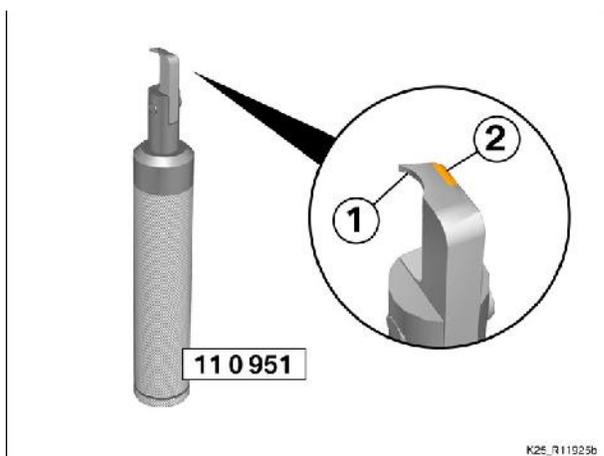
- Centre milling cutter (No. 11 0 952) by means of the guide (arrow) on oil-level indicator (1).



- Gripping the milling (No. 11 0 952) with one hand to guide it, press it **firmly into position**.
 - Uniformly mill rubber seal (1).
- » The metal housing becomes visible all round.

(-) Function, scraper

- Scraper (No. 11 0 951) is for right-hand use.
- Hook (1) for removing the remains of the rubber seal
- Cutter (2) for trimming off projecting remains of the rubber seal



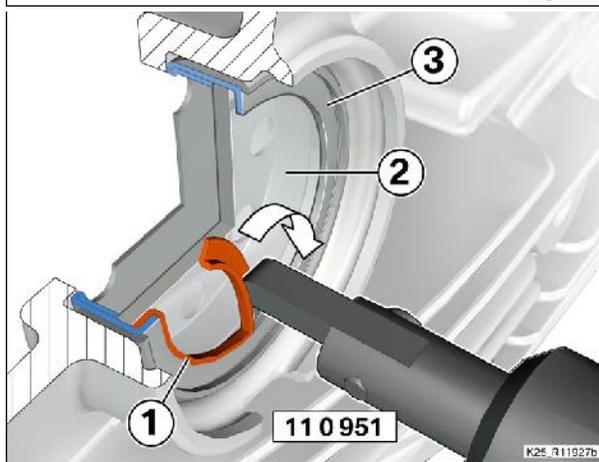
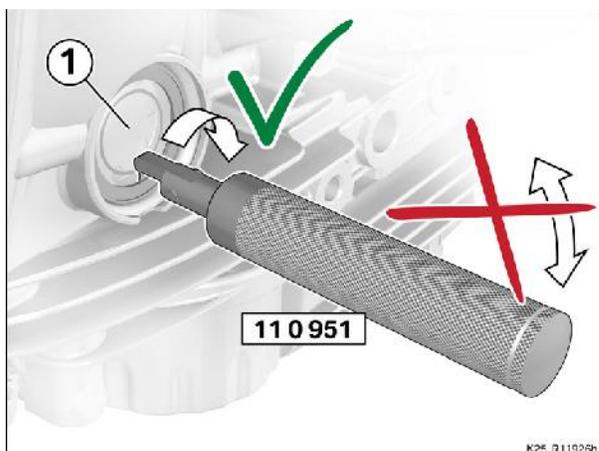
(-) Removing remains of rubber seal



Warning

Injury due to splinters of glass.
Wear protective goggles.

- Use scraper (No. 11 0 951) **but without levering**, because this can cause sight glass (1) to splinter.

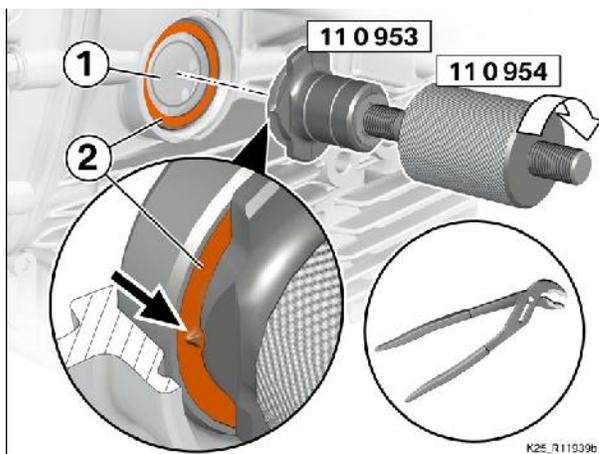


- Remove remains of rubber seal (1) between sight glass (2) and metal housing (3) all round **and taking care to remove all traces of the seal.** To do so, work scraper (No. 11 0 951) with a **turning action clockwise.**

(-) Removing engine-oil level indicator

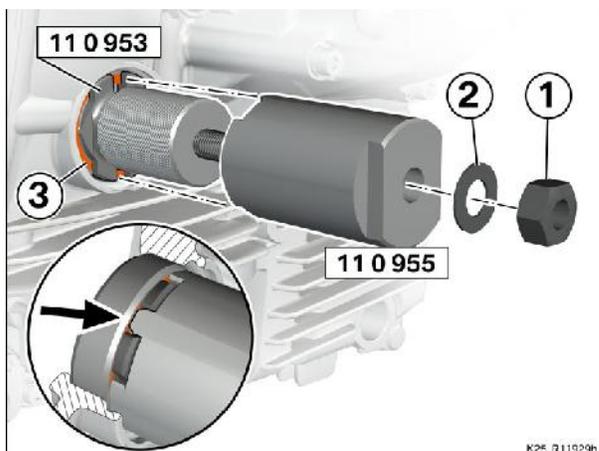
Attention

Overloading will result in damage to the puller.
All traces of the rubber seal removed.

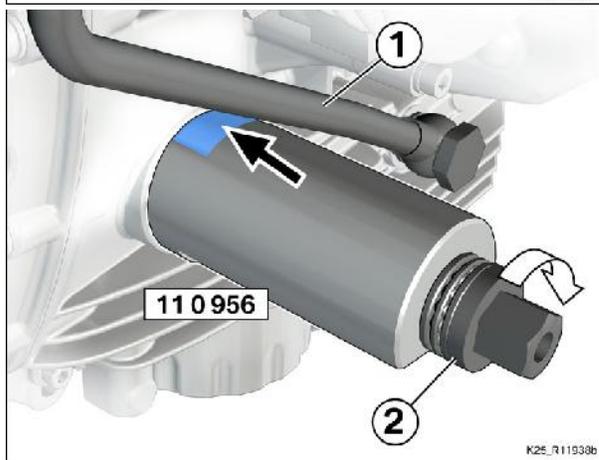


- Screw sleeve (No. 11 0 954) on to puller (No. 11 0 953) and centre it on oil-level indicator (1).
- Continue tightening sleeve to expand the puller under metal housing (2).
» Metal housing (2) bulges out (arrow).
- Tighten the sleeve with **pliers.**

- Install thrust piece (No. 11 0 955) in such a way that the projection (arrow) is seated in the recess of the expanded puller (No. 11 0 953).
- Install nut (1) with washer (2) and **tighten.**
» Metal housing (3) is held firmly by the puller and the thrust piece.
» The puller is supported by the projection (arrow).



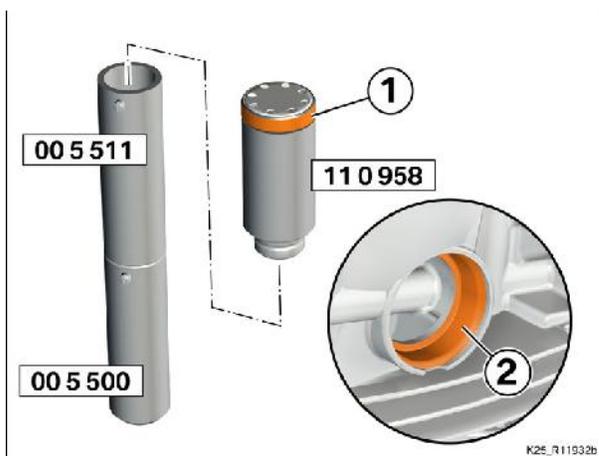
K25_R11929b



K25_R11938b

- Slip sleeve (No. 11 0 956) into position and turn it until it is seated correctly on the engine block.
- » Oil line (1) is located in the recess (arrow) of the sleeve.
- Install thrust nut (2).
- Remove the oil-level indicator by tightening thrust nut (2).

(-) Installing engine-oil level indicator



K25_R11932b

- Clean oil-level indicator (1) and sealing face (2) in the engine block. Use only very fine emery paper and work very carefully to remove heavy deposits and corrosion residues.
- Position oil-level indicator (1) on drift (No. 11 0 958) with extension (No. 00 5 511) and handle (No. 00 5 500).

⚠ Attention

An oil-level indicator installed with lubricant can work loose.
Use only brake cleaner for the installation process.

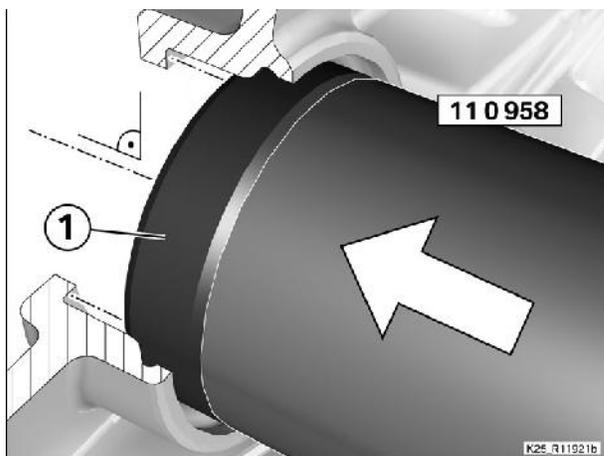
- Spray sealing faces (1) and (2) **generously with brake cleaner**.

 Cleaner	
Brake cleaner	83 19 2 154 780

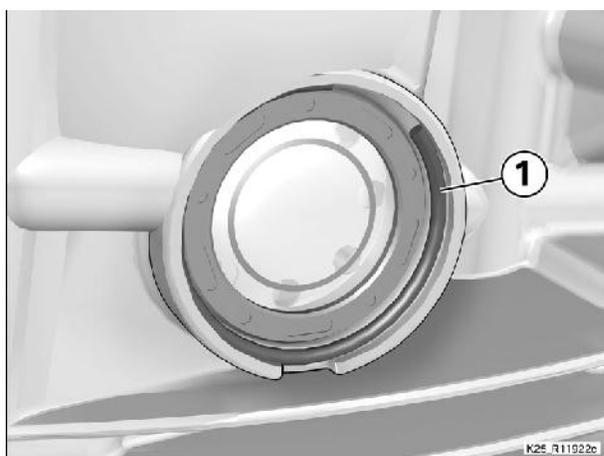
⚠ Attention

Oil-level indicator can be damaged.
Do not tilt the drift in the process of installation.

- Position oil-level indicator (1) square to the bore and **rapidly** and without



allowing it to tilt, install it with drift (No. 11 0 958) until seated.



(-) Install circlip

- Install circlip (1).



Note

On completion of all work start the engine, allow it to heat up to operating temperature, and check the oil-level indicator for leaks.

Finishing work

- Pouring engine oil into engine
- Checking engine oil level
- Final check of work performed