

148

TECHNICAL REPORT

Installation of VAG Group
crankshaft seal (reference
71006000 and 71004000)

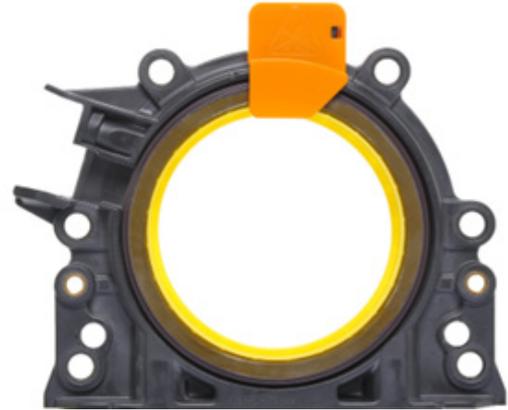


01 introduction

The reason for this report is to provide a detailed guide for the **correct assembly** of the oil seal with cover 71006000 and 71004000, using a special tool.

This seal is fitted mainly to **VAG group 1.9 TDI and 2.0 TDI** models.

This procedure is essential to ensure the **correct installation** of the seal in engines, avoiding oil leaks and sealing problems that could affect engine performance.



Oil seal Ajusa reference 71006000

**what happens if we
don't use a special
tool?**



Cracked oil seal during assembly due to not using the special tool.

02 description

This special tool is a specialized tool designed to **facilitate the assembly** of the seal, ensuring precise installation and avoiding damage to the component.

The use of this tool is crucial to ensure that the seal is fitted correctly. This specialized tool ensures that the seal is **installed in the correct position**, with the correct pressure, avoiding deformation or damage to the seal.

The main benefits of using the special tool include:

- ✓ **Positioning accuracy:** Prevents the oil seal from being installed crooked or out of alignment, especially the pulse wheel necessary for the engine to function properly.
- ✓ **Seal protection:** Minimizes the risk of damage to the sealing edge during assembly.
- ✓ **Saving time and effort:** Facilitates faster and easier assembly, reducing the risk of errors.



OEM: T10134, T10017

- 01** | Seal fixing bolt
- 02** | Locating pin for diesel engines
- 03** | Seal fixing bolt
- 04** | Clamping nut
- 05** | Positioning pin for gasoline engines
- 06** | Seal fixing bolt

03 recommendations before assembly

Before proceeding with the assembly of the seal with cover 71006000 / 71004000, it is necessary to consider the following considerations:

1. Clean surfaces: Make sure the area where the seal is to be installed is completely clean. Any residue of oil, dirt or old sealant **can affect the quality of the seal.**

2. Component Check: Check that both the seal and the special tool are in good condition and without visible defects. The seal **must be free of deformations** and the tool must be clean and undamaged.

04 assembly procedure

1. Preparation: Make sure the work area is clean and free of contaminants.

2. Removal of the old oil seal (if applicable): If a previous seal exists, carefully remove it using a suitable extractor and clean the mounting surface, removing any oil, dirt or old sealant.

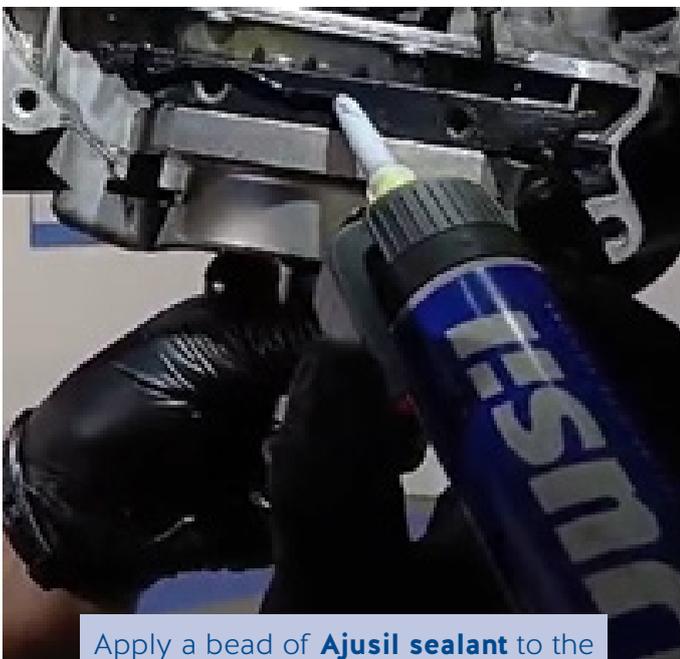
3. Use of the tool:



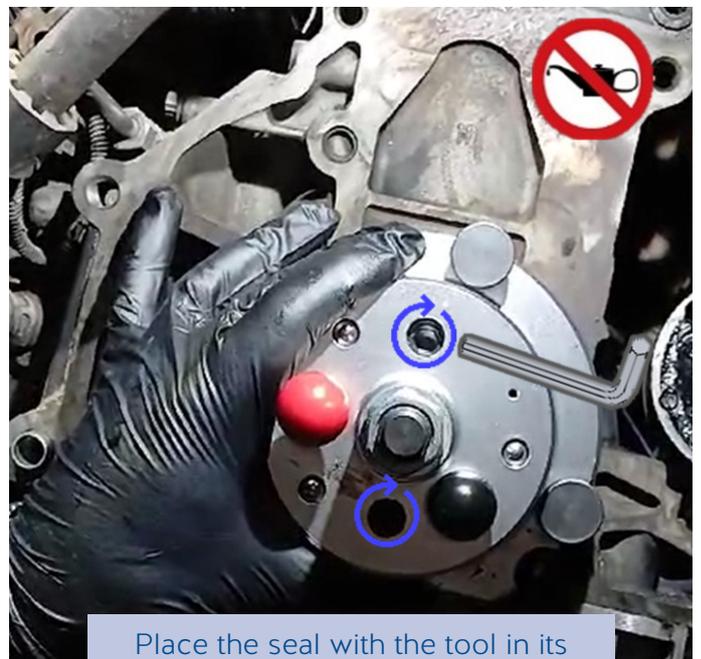
Place the **tool** on the seal so that it fits perfectly.



Screw in and visually check that the **seal is aligned**.



Apply a bead of **Ajusil sealant** to the base of the seal.



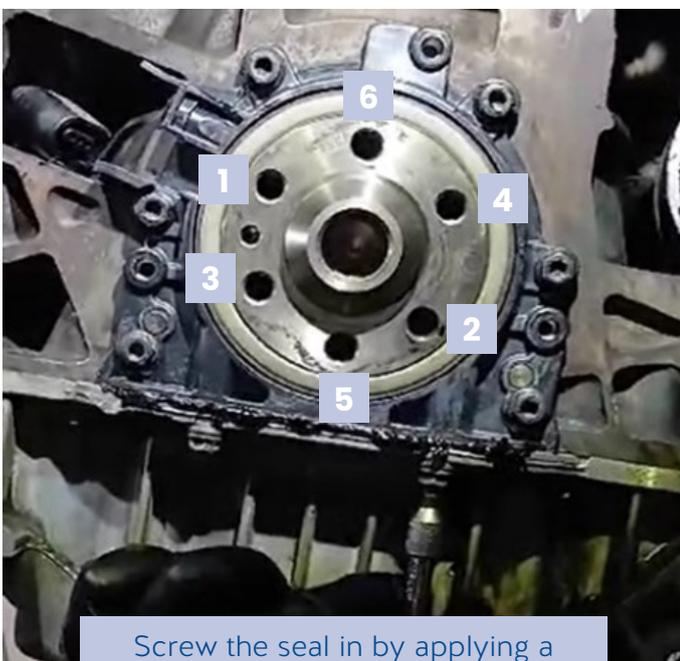
Place the seal with the tool in its position, using the corresponding pin and secure it.



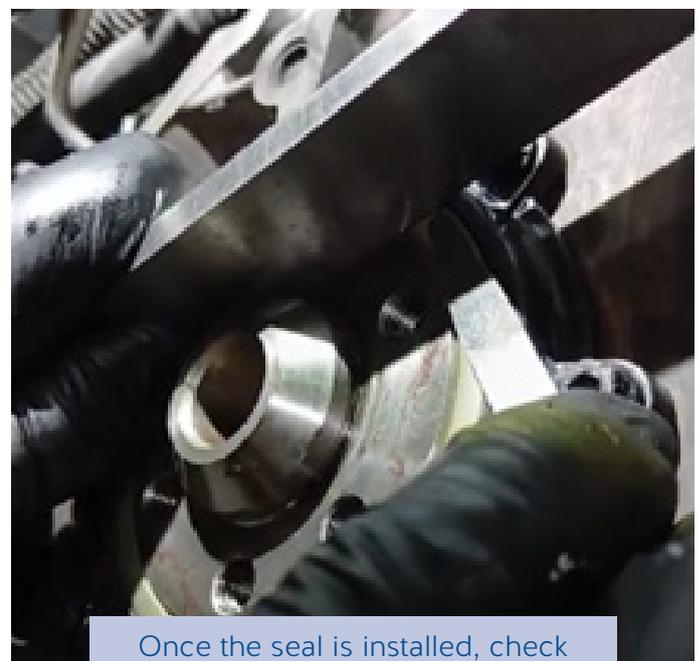
Tighten the nut to **position the seal** in its housing



Remove the tool by **unscrewing the** fixing bolts.



Screw the seal in by applying a torque of **15 Nm** and following the sequence:



Once the seal is installed, check the alignment of the impulse wheel again and **make sure** there are no deformations.



Warning!

PTFE (POLYTETRAFLUORETHYLENE) oil seal

It is necessary to wait a minimum of **4 hours** before starting the engine, so that the sealing lip seats correctly on the shaft.

The lip of the seal should not be lubricated.