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TECHNICAL REPORT

Crankshaft seal assembly
71008200 reference on 1.2 TDI
engines of VAG Group



01 introduction

The objective of this report is to provide a detailed guide for the correct assembly of the oil seal 71008200 . This sealing flange is installed in the front or distribution area of the vehicle's crankshaft.

Compatible vehicles:

- VW Polo V (6R, 6C) 1.2 TDI (2009 onwards)
- Skoda Fabia II (542) 1.2 TDI (2006-2014)
- Skoda Roomster (5J) 1.2 TDI (2006-2015)
- Seat Ibiza IV 1.2 TDI (2010-2015)

The OEM reference to which it corresponds is: 03P 103 151. Proper installation is essential to **avoid oil leaks** that could cause engine problems.



reference 71008200

02 materials and tools needed

- 01 | **Crankshaft sealing** flange 71008200
- 02 | **Ajusil** 75000100 or 75000200 silicone sealant
- 03 | Torque **wrench**
- 04 | **6 M7x21.5 mm bolts** with washer and hexagonal socket no.10

03 preparation

Before you begin, make sure you have all the necessary tools and follow these steps:

- 01 | **Cleaning:** check that the mounting area is clean, free of contaminants and sealant residues. Use a suitable solvent and dry thoroughly.
- 02 | **Inspection:** Visually examine the crankshaft to ensure that it **does not have defects** such as scratches or cracks.

04 **dissassembly**

To replace the seal, it is necessary to remove the oil pan.

05 **installation of the seal**

01 | **Collocation**

Slide the retainer over the crankshaft without removing the white applicator.

Make sure it is centered correctly.

This is a PTFE (Polytetrafluoroethylene) seal, so the lip and shaft **should not be lubricated**.

02 | **Adjustment**

Apply **uniform pressure** manually to ensure that the sealing lip slides over the applicator and rests on the shaft.

Do not remove the applicator until the detent is fully attached to the shaft.

03 | **Fixation**

Tighten the seal bolts alternately crosswise at 15 Nm.



oil pan installation

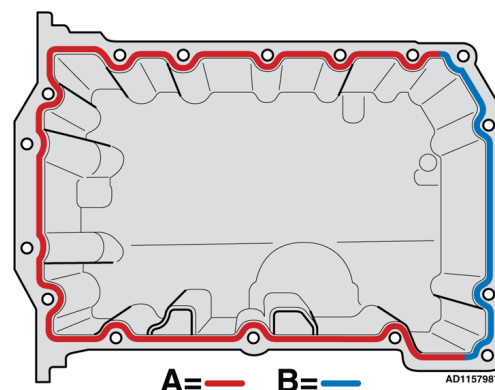
01 | Sealant application:

For the installation of the seal, it is necessary to remove the oil pan.

The sealing between the oil pan and the seal is carried out with Ajusil liquid or silicone gasket former (75000100/75000200).

Line A: apply a 2 - 3 mm diameter sealant bead to the crankcase contact surface.

Line B: apply a 3 - 4 mm diameter bead to the crankcase contact surface.



IMPORTANT

Assemble the components within a maximum of 5 minutes. Too much sealant could cause damage to the engine.

02 | Bolts tightening (use new bolts):

It is very important to use new bolts.

First stage: 5 Nm

Second stage (crankcase to transmission): 40 Nm

Third stage: 15 Nm

Wait 30 minutes before filling the engine with oil.

