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TECHNICAL REPORT

Crankshaft seal assembly with
71010200 reference on 1.6 and
2.0 TDI CR engines of VAG
group



01 introduction

The purpose of this report is to provide a detailed guide for the correct assembly of the 71010200 oil seal.

It is a cover seal, whose place of assembly is the front part or distribution area of the crankshaft of the vehicle.

This seal is fitted to and MAN Group models, the popular 1.6TDI CR (EA189/EA288) and 2.0 TDI CR (EA189/EA288) engines.

Oem part number:

- OEM 04L103151
- OEM 04L103151A
- OEM 4L103151A



reference 71010200

02 assembly steps

01 | Preparation

Make sure you have all the necessary tools before you start, in this case:

- Crankshaft seal with 71010200 .
- Torque wrench.
- 6 M7x21.5 mm screws with washer and hexagonal socket no.10.

02 | Cleaning

Before installing the crankshaft seal, make sure that the surface of the **mounting area is clean** and free of contaminants. Use a suitable solvent to clean the dirt and dry thoroughly.

03 | Inspection

Visually check the crankshaft and make sure there are no defects such as scratches or cracks.

04 | Sealant application

Sealing between the oil pan and the seal is done by using Ajusil liquid or silicone gasket former (75000100/750000200).

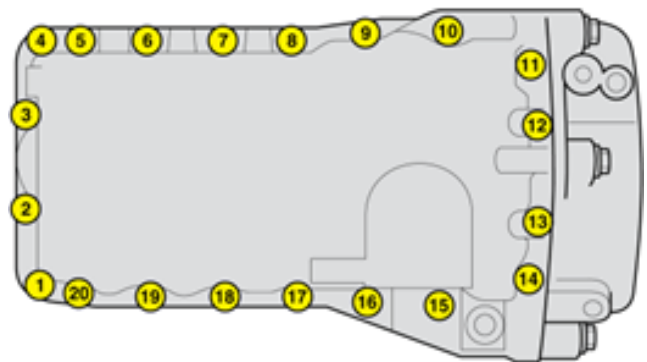
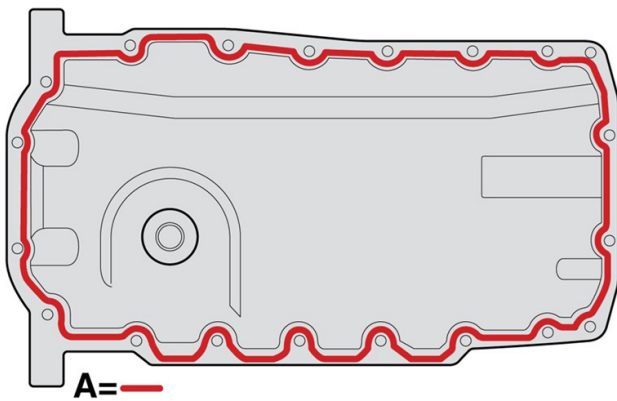
If the oil pan has been completely removed, apply a 2.0-3.0 mm diameter silicone sealant bead to the oil pan. Tighten the 20 M7X28 screws in the following steps

5 Nm

Oil to transmission pan = 40 Nm

13 Nm

If the oil pan has not been removed, apply sealant to the oil pan in the area where it makes contact with the underside of the seal.



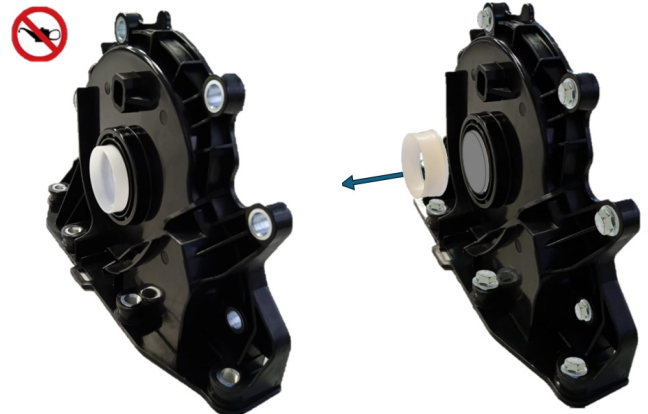
05 | Positioning the seal

Place the crankshaft seal in its corresponding place, checking that it is **centered and aligned correctly**. Apply even pressure to ensure a good seal.

IMPORTANT

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

You **should not remove** the applicator until it has been placed on the shaft.



06 | Fixing

Tighten the 6 M7X21.5 mm cap fixing screws with a torque of 15 Nm following a cross pattern to ensure that the tightening is homogeneous.



07 | Precautions of PTFE seals

Do not lubricate the sealing lip, avoid contact with aggressive products and wait at least 4 hours before starting the engine, so that the lip sits properly on the shaft.