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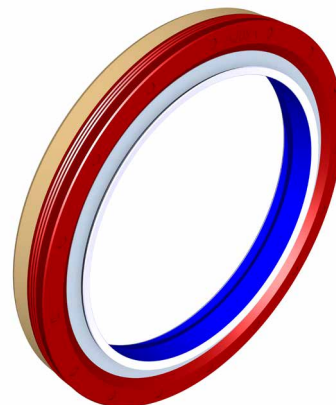
TECHNICAL REPORT

Assembly instructions of
15094400 crankshaft oil seal for
3.0 D F1CE Fiat / Iveco engines



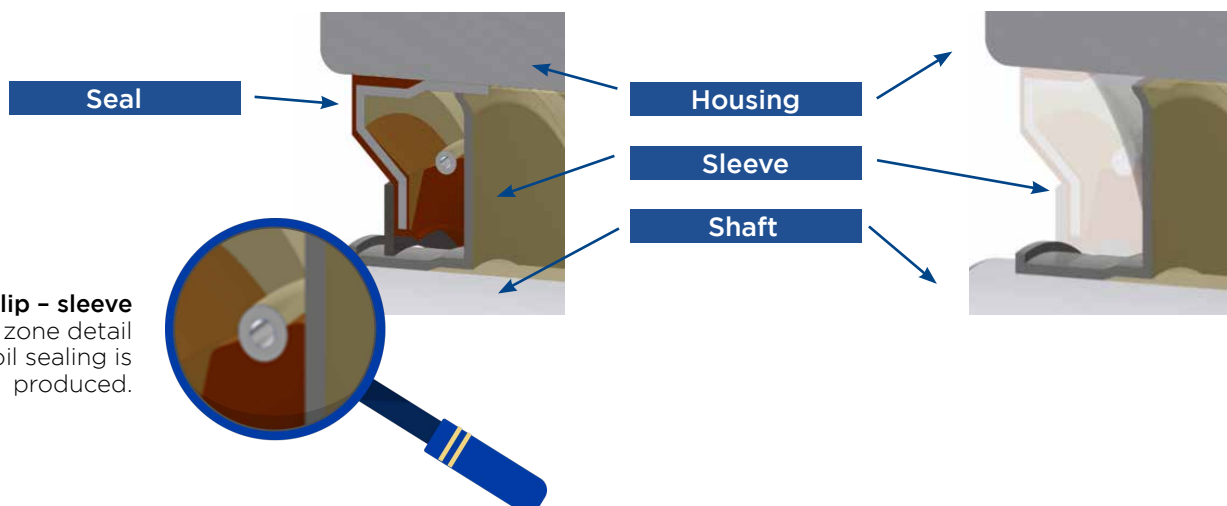
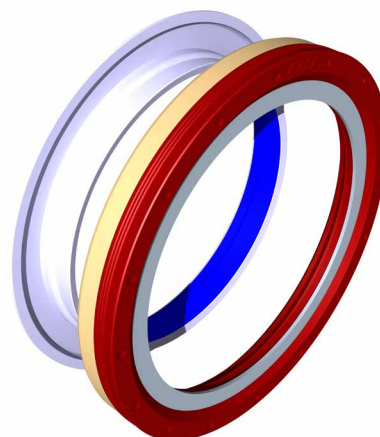
PURPOSE

Show the assembly instructions of the 15094400 **crankshaft oil seal** (gearbox side) which fits in 3.0 D Fiat / Iveco group engines. It also fits in another engine manufacturers such as Citroen and Peugeot.



DESCRIPTION

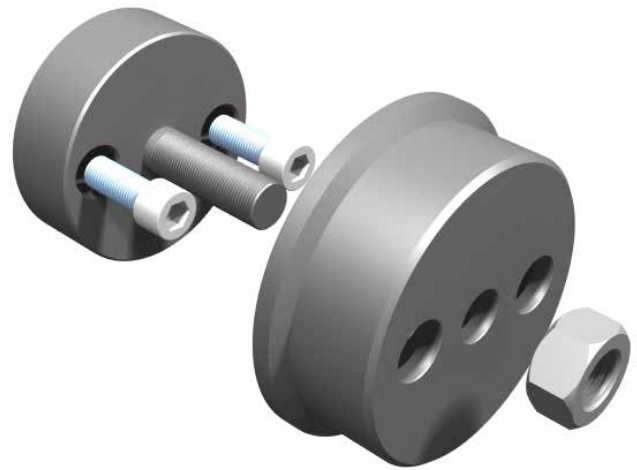
Sealing lip of the radial **oil seals stays in direct contact** with the shaft, but the surface that is going to be sealed is part of the oil seal itself. This type of oil seal has a metallic sleeve which is placed on the shaft and rotates with it as one unique piece.



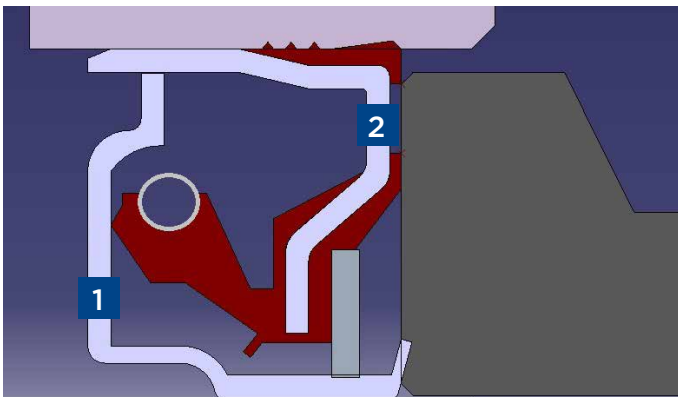
Due to the high pressure force that is necessary to be done to insert the sleeve on the shaft, **special assembly tools** must be used.

This assembly tool presses all around oil seal external surface, but metallic sleeve is also pushed into, so both components stay in a correct position which is necessary to archive a perfect sealing of the lip.

Non adequate assembly tools will produce an irregular pressure around oil seal surface, and **it could damage** and wear away the lip-sleeve contact area much faster.



assembly tool OEM 99346259



1. Sleeve
2. Seal

REMEMBER!

You should use a special assembly tool to ensure a perfect assembly of the seal.

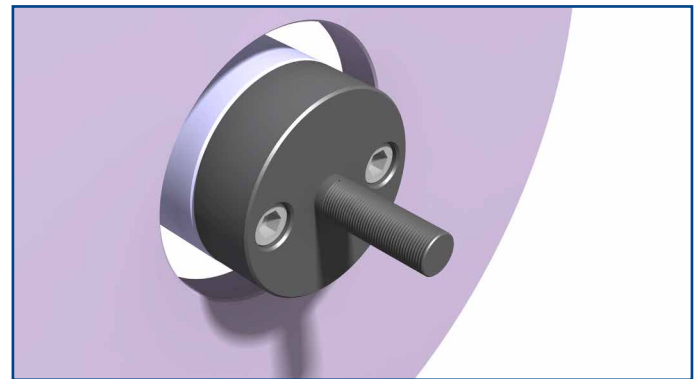
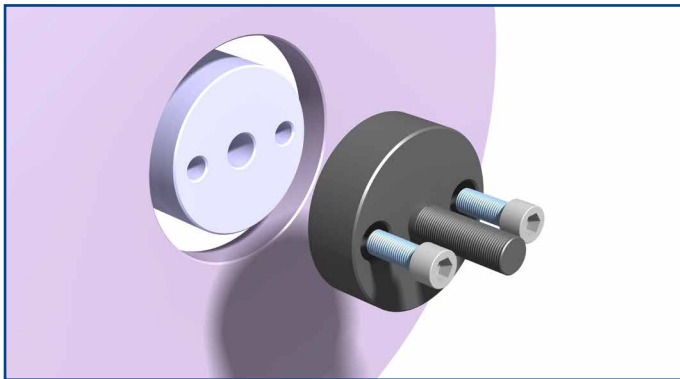
ASSEMBLY

01

Clean the surface of the housing and crankshaft leaving them free of grease, oil and dirt.

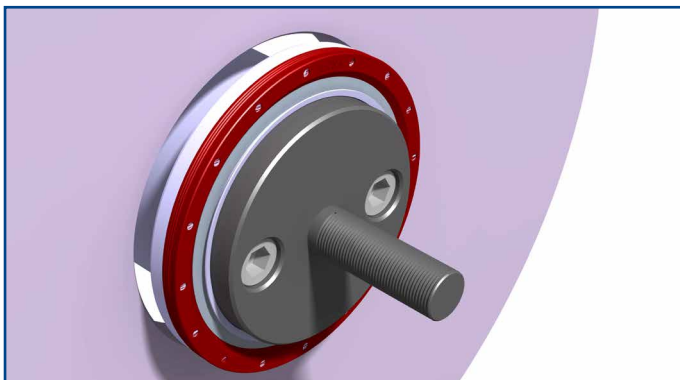
02

Hold the assembly tool to the shaft with its 2 bolts .



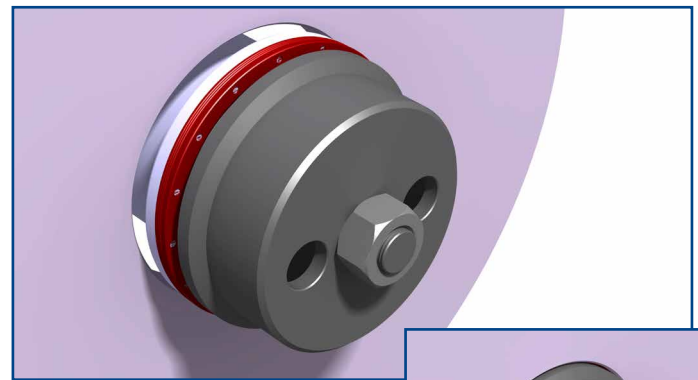
03

Place the oil seal **onto the assembly tool**.



04

Fit the assembly tool case and **tighten** the nut until both parts of the tool stay in contact



05

Remove the assembly tool inversely.

