

Technical Bulletin

PTFE Oil Seals

Introduction

FAI offer a large range of Oil Seals using the latest technology **PTFE** (Polytetrafluoroethylene) material on the seal lip. This modern material creates a **perfect low friction seal** between the rotating shaft and the external environment.



FAI
OS1002R



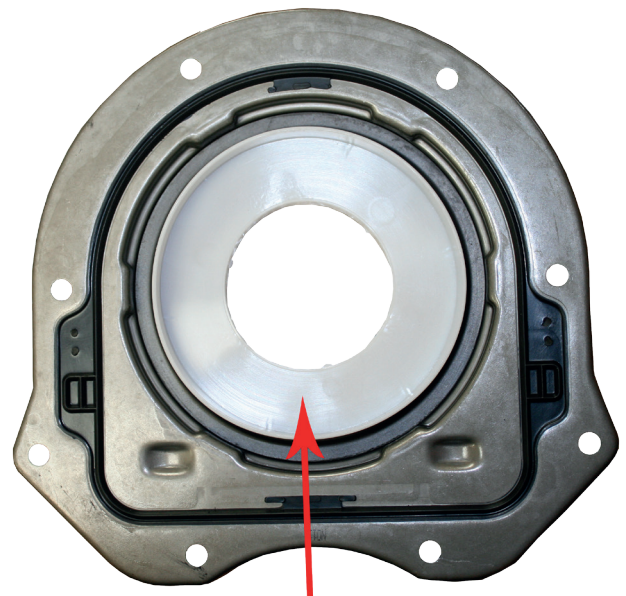
Damaged PTFE seal lip.

Due to **incorrect installation, PTFE sealing surfaces can be damaged**. The method in which the PTFE lip is produced and cut creates a 'memory' behaviour causing the material to constantly try and return to its original shape. This material creates a tight seal against the shaft and **if damaged on installation severely impacts the integrity of the seal**.

Warning!

As you can see from the diagram to the right, each PTFE oil seal contains a plastic sleeve that is designed to maintain the tolerance and protect the sealing lip. It is also an integral part of the installation process.

DO NOT REMOVE THIS SLEEVE BEFORE FITTING. IT WILL DISENGAGE AS PART OF THE INSTALLATION.



Installation Sleeve

Continue for installation tips



Best Availability. Best Value.
Best Quality. Best Service.

LEAF9257

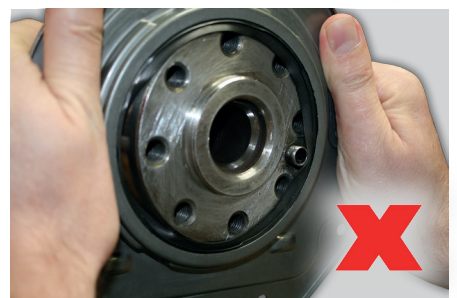
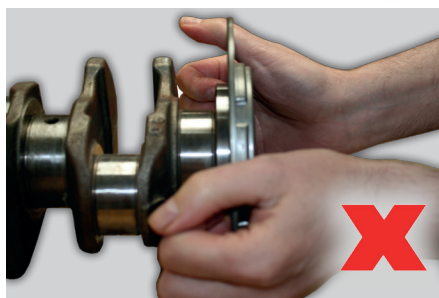
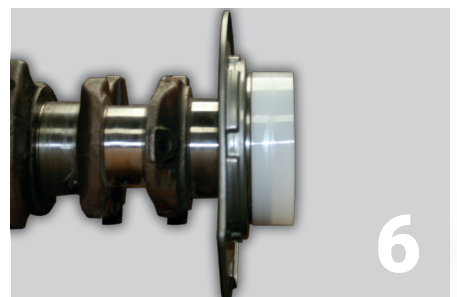
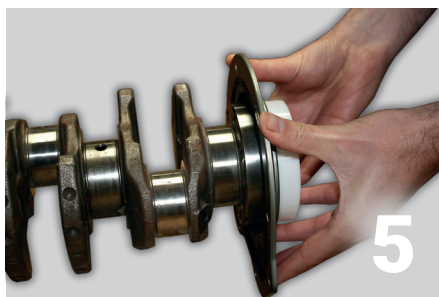
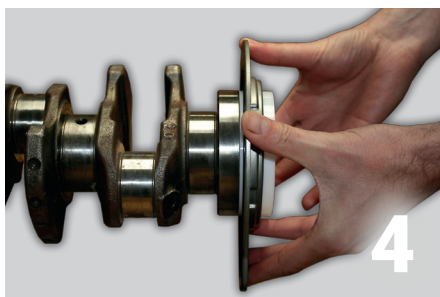
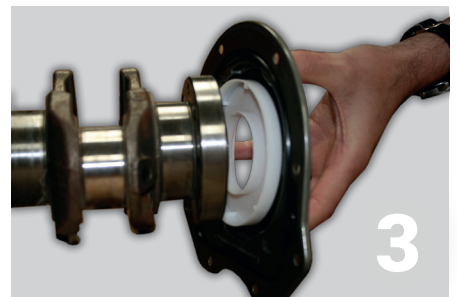


Technical Bulletin

PTFE Oil Seals

Installation Tips

- 1 Remove any oil or grease. The shaft surface must be completely dry throughout installation.
 - 2 Ensure that any imperfections or sharp edges on the shaft surface are removed.
 - 3 With the plastic sleeve still in place, line up the shaft face and plastic sleeve face.
 - 4 Apply even pressure to the seal and push on to the crankshaft.
 - 5 Carefully push the seal on to the crankshaft.
 - 6 Remove the plastic sleeve.
 - 7 The seal is now in place. Leave engine for 4 hours before starting to allow PTFE memory seal formation.
- X** Do not fit seal without plastic fitting aid or correct manufacturer tool. Do not lubricate.



Best Availability. Best Value.
Best Quality. Best Service.

LEAF9257

