

# LASER<sup>®</sup>

## Rear Crankshaft Oil Seal Fitting Tool - for MINI

### Instructions

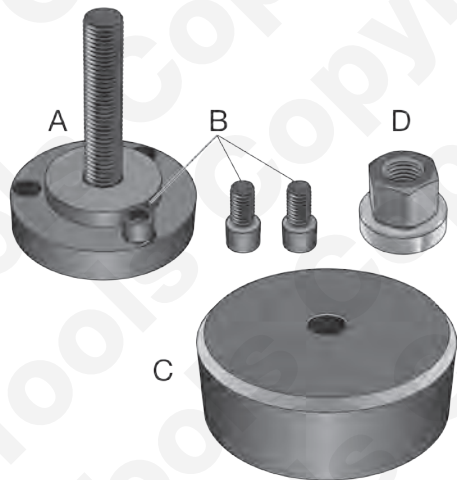


## Introduction

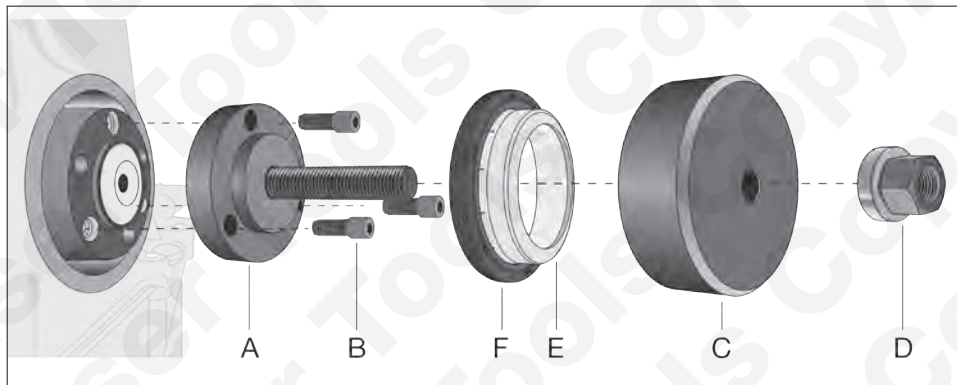
The Laser 8851 has been developed to allow the user to accurately fit the crankshaft rear main oil seal to be fitted without damaging the delicate seal lip. When fitting the rear crankshaft seal, it is important the seal is fitted square and without damage because it is not possible to tell if it will leak until the transmission is fully fitted and the engine has been run. For use with OEM seals supplied with seal-lip support cup.

- Applications: Mini Countryman (2010 - 2017), MINI (2006 - 2015), Clubman (2007 - 2017), Roadster (2012 - 2015), Paceman (2013 - 2017).
- Engine codes: N14 B16A, N14 B16CD, N14 B16VD, N18 B16A, N18 B16C.
- Equivalent to OEM 119 610 (11 9 611, 11 9 612, 11 9 613).

## Components



Ref.	Description
A	Locating spindle
B	Spindle securing screws (M9- 1.0 x 16mm cap screw) — 8mm hex key required.
C	Seal press cup
D	Force nut/bearing for C
E	Seal-lip support cup (not included)
F	Crankshaft seal (not included)



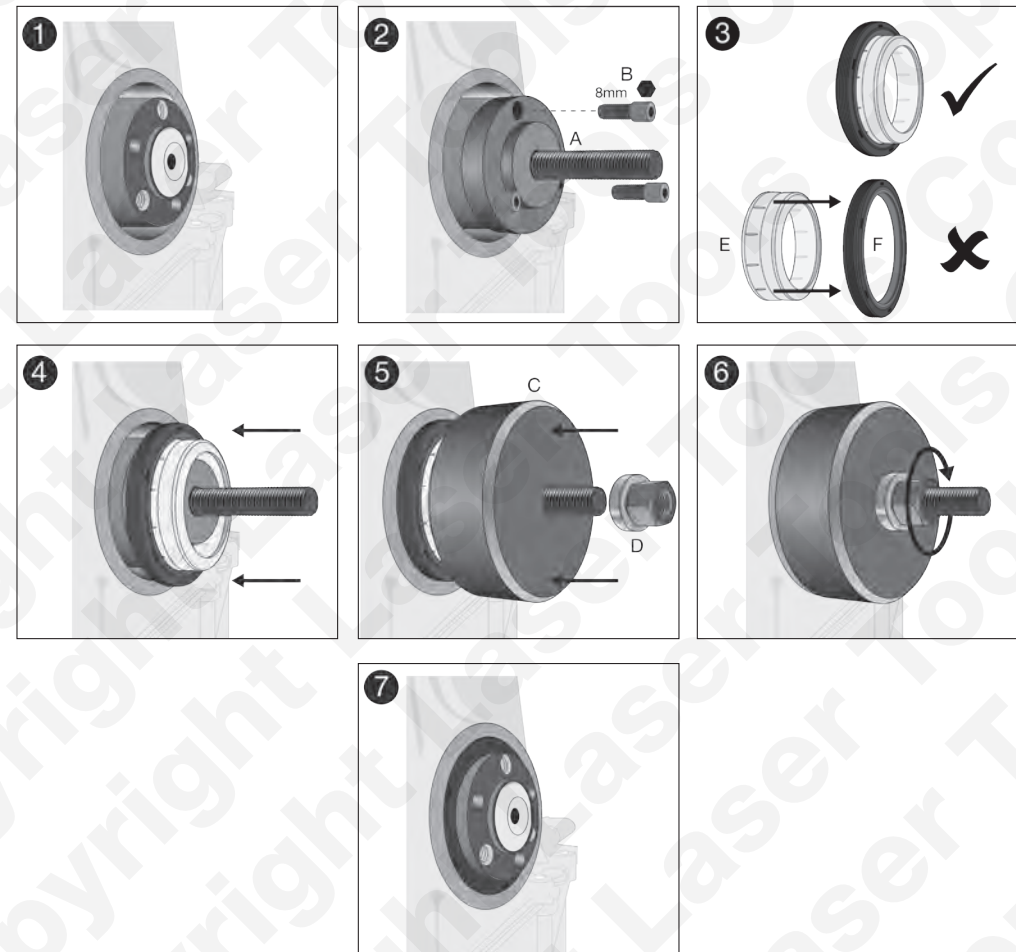
## Instructions

### Operation:



The following instructions are for guidance only. Refer to OEM-derived data such as the vehicle manufacturer's data or Autodata. The use of this seal fitting tool kit is purely down to the user's discretion and The Tool Connection Ltd cannot be held responsible for any damage caused whatsoever.

**Note:** Please check if the replacement crankshaft oil seal is manufactured from PTFE (polytetrafluorethylene). Due to the PTFE dry-run qualities, oil or grease **MUST NOT** be used as an assembly agent on a PTFE seal.



# Instructions

## Precautions:



- Always refer to OEM-derived data such as the vehicle manufacturer's data or Autodata.
- Before assembly of the oil seal, the shaft surface must be carefully inspected to ensure that it is free of grooves, scratches or other damage. If there is any evidence of damage, this must be removed — refer to a specialist repairer for professional surface refinishing.
- Please check if the replacement crankshaft oil seal is manufactured from PTFE (polytetrafluorethylene). Due to the PTFE dry-run qualities, oil or grease MUST NOT be used as an assembly agent.
- Make sure that the new seal is supplied with a seal-lip support cup (E), with the new seal (F) already located on this cup. Do not remove the seal from the cup prior to assembly.

## Best Practice:

PTFE seals: in order to ensure that the PTFE oil seal will perform its function correctly, a minimum of 4 hours after assembly should pass before the shaft is moved or rotated.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



**Safety First. Be Protected.**



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## Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



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