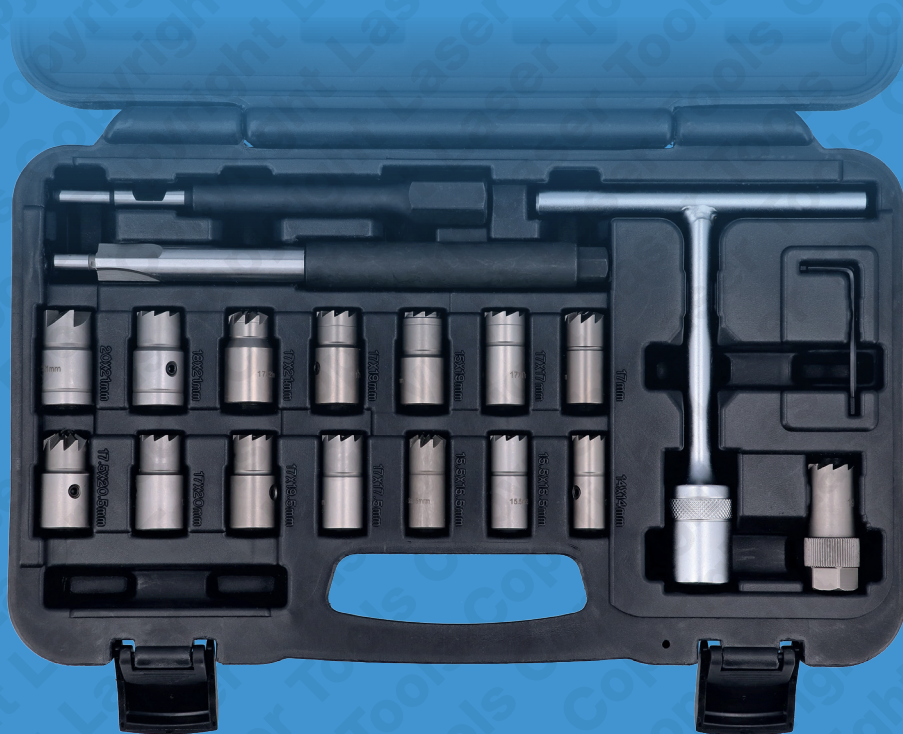


# LASER®

Part No. 8667

## Diesel Injector Seat Cutter Master Kit - 19pc

### Instructions



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## Introduction

A set of 14 diesel injector seat cutters and one injector nozzle base cleaner/cutter designed to ensure that the injector bore area is clean and faced to the dimensions required when replacing or reconditioning the diesel injectors, avoiding blow back and poor emissions. Supplied with a T-bar driver with 19mm hex socket. A 15.5mm injector tube reamer is also included.

Seat cutters include: 14mm flat, 15.5mm flat, 15.5mm angled, 17x17.5mm, 17x19.5mm, 17x20mm, 17.5x20.5mm angled, 17mm angled, 17mm flat, 15x19mm flat, 17x19mm flat, 17x21mm angled, 18x21mm flat, 20x21mm flat. Use with grease to help catch swarf.



## Components

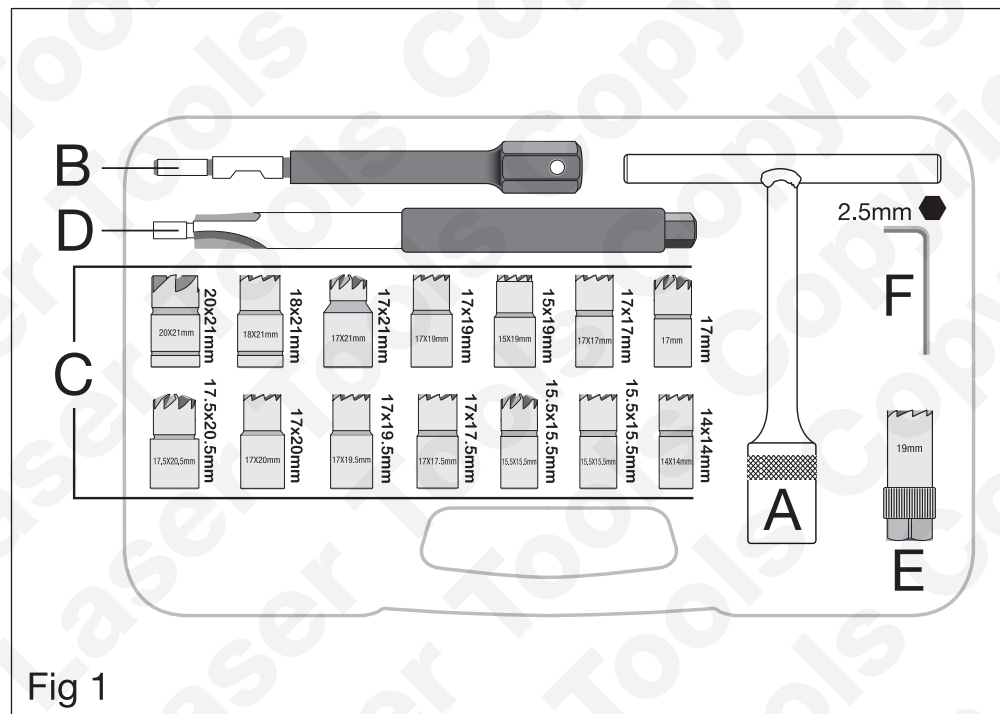


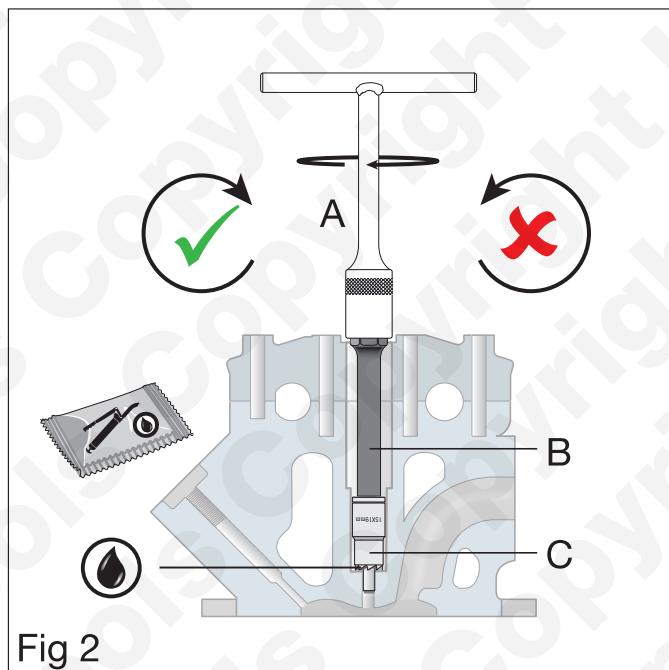
Fig 1

Ref.	Description
A	T-bar driver (19mm hex)
B	Centring guide
C	Injector seat cutters (14)
D	injector tube reamer (15.5mm)
E	injector nozzle base cleaner/cutter
F	Hex key (2.5mm)

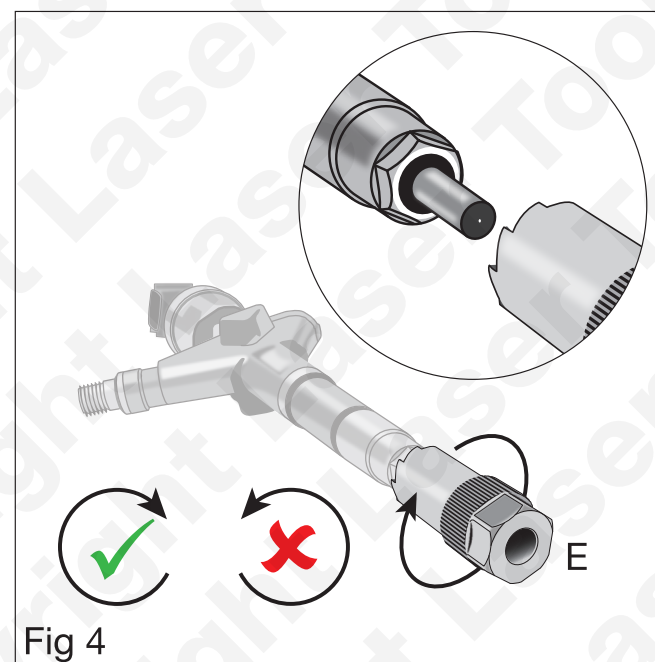
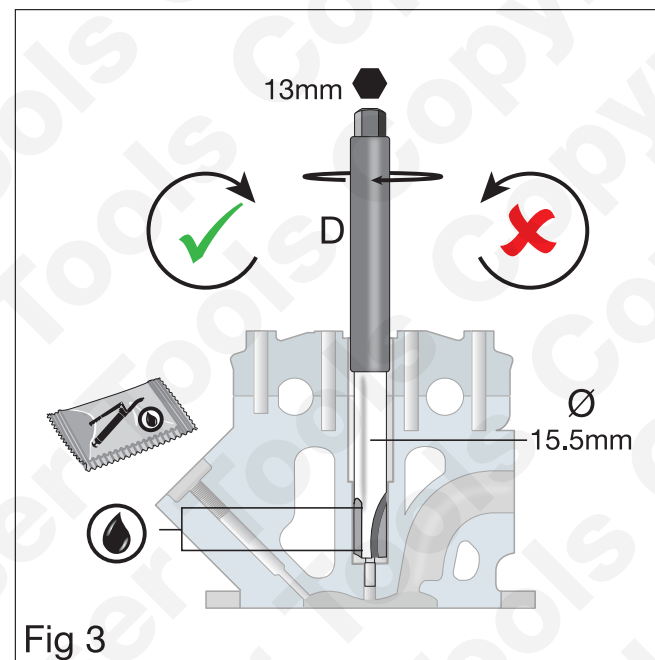
## Instructions

The following instructions are for guidance only. Please refer to OEM derived data.

The use of this tool is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused what so ever.



## Instructions



## Precautions



- Wear approved eye and hand protection.
- Refer to manufacturer's documentation and recommendations. Select appropriate injector seat cutter.
- Refer to Figure 1: Ensure the cutter (C) is secured to the centring guide (B) by fully tightening the grub screw with the supplied hex key (F).
- Best practice: It is recommended that the cylinder head is removed to ensure that no contamination enters the combustion chamber. If injector nozzle base cleaning/cutting is done with the head in situ, ensure the cutter and centring pilot are coated in grease to catch any swarf.
- Same advice applies when using the injector tube reamer (D).
- Use only a small amount of pressure and turn the cutter in a clockwise direction only (refer to Figures 2, 3 and 4) to remove built-up carbon deposits. **Do not overcut the seat.**
- When finished, thoroughly clean the seat and injector tube of all grease, carbon and swarf.
- When finished, account for all tools and parts being used.
- Maintain the tools in good and clean condition and always return to case for safekeeping.
- No liability is accepted for incorrect use of this product — do not use the product for tasks it is not designed for. The Tool Connection cannot accept any liability for engine damage caused due to contamination entering the combustion chamber or for over-cutting of the injector seats. Use the product correctly and with care. Failure to do so may cause damage and/or personal injury and will invalidate the warranty.

## Also available

### Part No. 5450 - Diesel Injector Seal Puller

A specialised tool, used to assist the extraction of the copper washers used to seal diesel injectors where they enter the cylinder head.

### Part No. 4702 - Diesel Injector Copper Washer Remover & Installer

This special tool will remove and install copper washers on diesel injectors quickly and effectively.

### *From the Connect Workshop Consumables range:*

### Part No. 31871 - Assorted Metric Diesel Injection Washers - 360pc

Sizes from M6 to M17.

### Part No. 34999 - Assorted Common Rail Diesel Injector Washers - 150pc

Sizes from 13.8mm to 15.0mm.

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.**



When you have finished with  
this product please recycle it

[www.lasertools.co.uk](http://www.lasertools.co.uk)



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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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