

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.

7802\_Instructions\_v2

### 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.



Distributed by The Tool Connection Ltd

Kineton Road, Southam, Warwickshire CV47 0DR  
T +44 (0) 1926 815000 F +44 (0) 1926 815888  
info@toolconnection.co.uk [www.toolconnection.co.uk](http://www.toolconnection.co.uk)

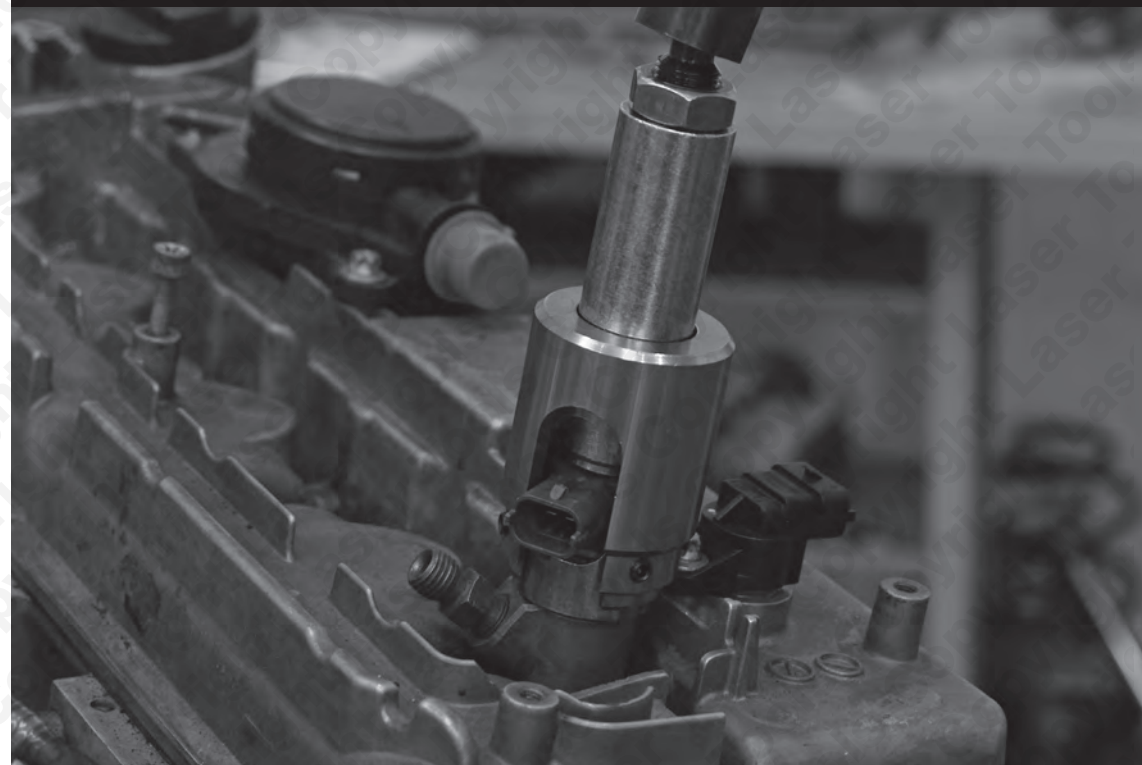


# LASER<sup>®</sup>

7802

## Diesel Injector Extractor

For Bosch CR (Solenoid Type)



The 7802 adaptor has been designed to allow the extraction of Bosch CR Solenoid style diesel injectors without the need to remove the injector solenoid or internals.

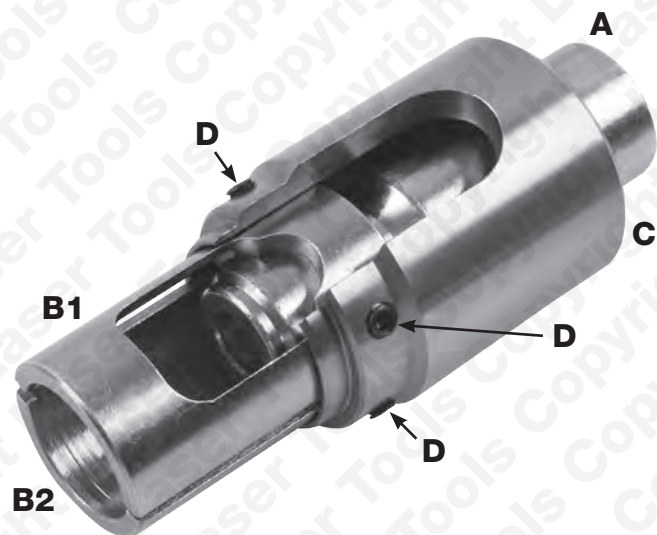
**N.B.** If the injector is badly stuck Laser Tools recommend the use of **Laser 5128 adaptor**.

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

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

- For the extraction of Bosch solenoid type diesel injectors
- Designed to mount directly on top of the injector using a 3mm hex key (available separately)
- Allows the injector to be removed without the injector solenoid.
- Use with a slide hammer with a 5/8" thread. See Laser part number 5850 for 2.2kg (5lb) slide hammer or Laser 4811 for 4.4kg (10lb) slide hammer.
- For difficult access where an angled approach is required, please see additional adaptor Laser 6123.

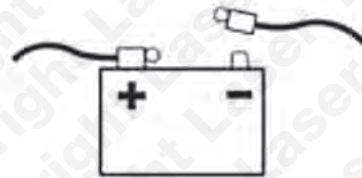
## Components



| Ref: | Description                                    |
|------|--|
| A    | Internal threaded shaft (5/8" internal thread) |
| B1   | Windowed Collet                                |
| B2   | Rear Collet                                    |
| C    | Outer Body                                     |
| D    | Fixing Screws                                  |

The following instructions are for guidance only. Please refer to OEM derived data such as the vehicles manufacturers own data or Autodata.

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

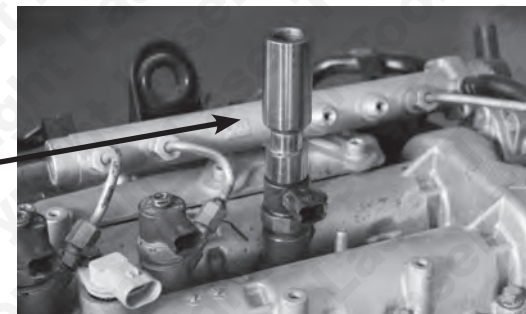
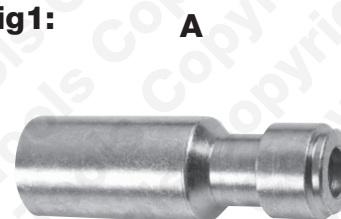
**NOTE: Refer to vehicle manufacturer's instructions for vehicle/engine specific data.**

**Thoroughly clean the area around the injector to be removed. Soak the injector body in release agent and mark the alignment of the injector on the cylinder head to ensure the injector fits back in to the correct position.**

### EXTRACTION

1. Disassemble the 7802 and reassemble the extractor adaptor as shown in the following order.

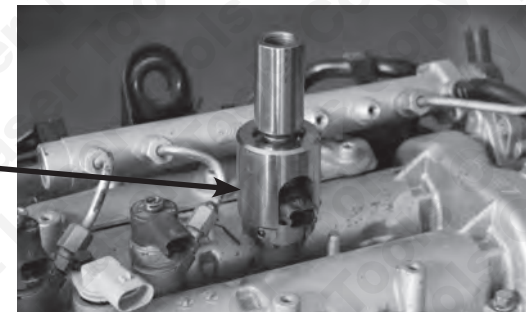
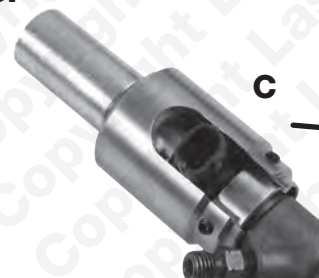
**Fig1:**



**Fig2:**



**Fig3:**



2. With all the components in place check that components B1 and B2 hook under the solenoid metal hexogen and tighten the 3mm hex screws to grip the injector.
3. Attach a suitable slide hemmer and remove the injector.