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.

Guarantee

This item contains consumable elements and are **NOT** covered by the Tool Connection Guarantee. For spares contact our service department direct on: +44 (0) 1926 818186.

TOOL CONNECTION
The Complete Connection

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**

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LASER®

Glow Plug Threaded Insert Kit

M10 x 1.25mm

MADE IN SHEFFIELD

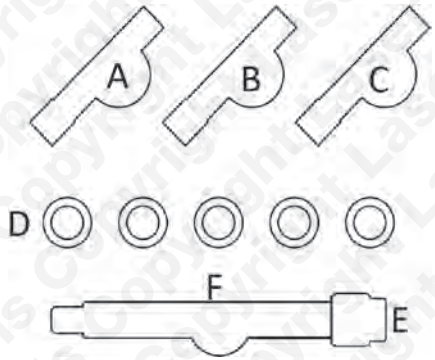
The Laser Tool's in house designed insert fitting tools are shaped to offer the best possible access to recessed glow plugs while still enabling the insert to be properly fitted.

- 10.9 High tensile fitting bolt for longer service life.
- Specially designed fitting tool body for significantly improved access.
- UK designed and manufactured fitting tools.
- 5 threaded inserts, fitting tool, reamer and taps.

www.lasertools.co.uk

Laser Tools Copyright

Components



Ref	Description
A	Large Tap (insert outer thread)
B	Small Tap (insert internal thread)
C	Reamer
D	Inserts
E	Insert fitting tool bolt – Hi-tensile
F	Insert fitting tool body

Applications

M10 x1.25mm thread glow plug apertures.

The following instructions are for guidance only. Please refer to OEM derived data to confirm suitability of this kit.

The use of this glow plug thread insert kit 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

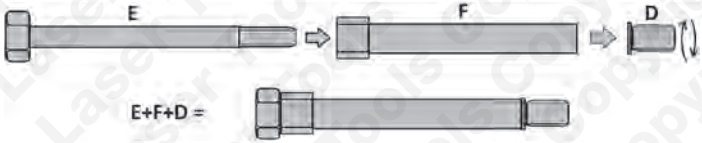
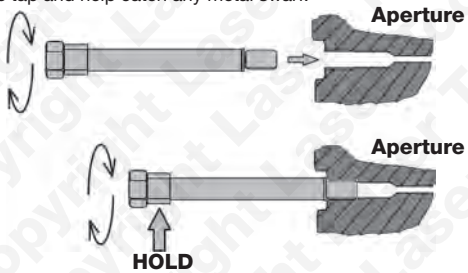
We recommend the following operation be carried out with the cylinder head removed to avoid any internal engine damage due to dirt or swarf entering the cylinder.

Performing this repair with the cylinder head insitu is done at the user's own risk.

- Remove all trace of the original thread using an M10 drill. Take care not to drill deeper than the original thread.
- Using the plain reamer (C) ream out the glow plug aperture. Drive the reamer by hand using a suitable socket, extension and T bar.
  NOTE: liberally grease the flutes of the reamer with bearing grease to lubricate the reamer and help catch any metal swarf. Ream only to the depth of the original thread.
- Use the large tap (A) to cut the thread to suit the external thread of the insert into the head. NOTE: liberally grease the flutes of the tap with bearing grease to lubricate the tap and help catch any metal swarf. Tap only to the depth of the original thread.
- Clean and dry the aperture

Fitting new thread insert:

- Assemble components (E, F & D) as shown.



- Screw the assembly into the cylinder head and tighten the insert into the head.
- Holding the insert tool body (F) with a suitable spanner across the flat tighten the fitting bolt (E) to crimp the insert into the head and make it grip.
- Continue holding (F) and slacken and remove (E).
- To ensure the insert internal thread is clean use the small Tap (B) to check the thread. NOTE: liberally grease the flutes of the tap with bearing grease to lubricate the tap and help catch any metal swarf.