Precautions:

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.

Guarantee

This item contains consumable elements that 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

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LASER®

Thread Repair Kit

76pc

Instructions

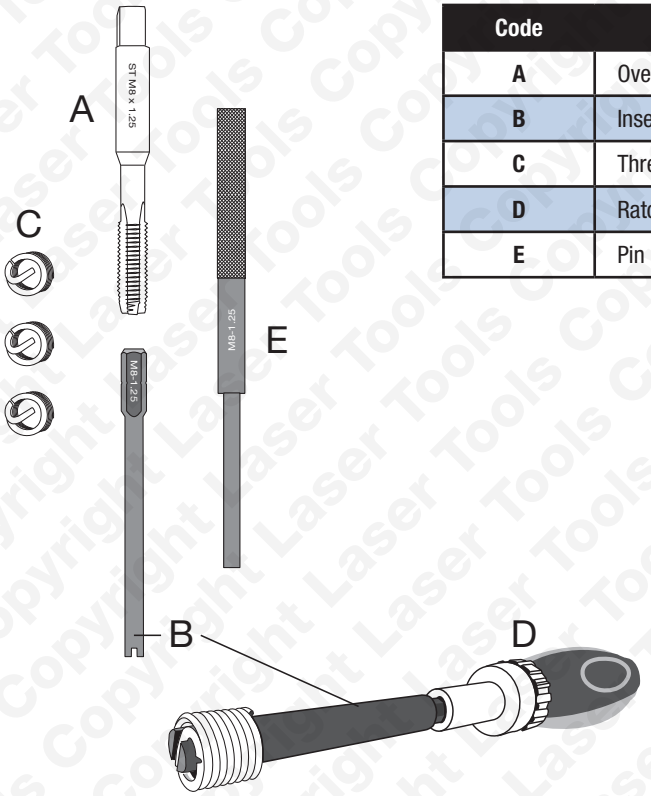
www.lasertools.co.uk

Thread Repair Kit

A coil insert thread repair system that includes correctly sized components to repair and fit five sizes of coil insert: M5 x 0.8, M6 x 1.0, M8 x 1.25, M10 x 1.5 and M12 x 1.75.

For each size the kit includes an oversized tap, coil type insert, ratchet insert driver tool and a pin punch to remove the driving tang of the coil insert.

Components



Code	Description
A	Oversized tap
B	Insert driver attachment
C	Thread coil inserts
D	Ratchet driver tool
E	Pin Punch

Suggested Drill Sizes		
Thread size	Alloy (mm)	Steel / Magnesium Plastic (mm)
M5 x 0.8	5.2	5.3
M6 x 1.0	6.25	6.3
M8 x 1.25	8.3	8.4
M10 x 1.5	10.5	10.5
M12 x 1.75	12.5	12.5

Instructions For Use

- Drill out remains of the damaged thread using a correctly sized drill bit as specified in the table.
- Fit the supplied tap (A) into a suitable tap holder (not supplied) and cut a new thread as deep as is required to ensure that the coil insert (C) does not protrude above the top surface of the component being repaired. Ensure a suitable cutting fluid is used and wind the tap back ½ a turn for every full turn clockwise to ensure the swarf is effectively cleared without damage to the newly cut thread.
- Fit the insert driver attachment (B) into the ratchet driver tool (D).
- Engage the tang on the thread coil insert (C) with the slot on the insert driver (B).
- Wind the insert into the newly tapped hole to the required depth and remove the insertion tool.
- To break off the tang, use the correctly sized pin punch (E). This is slid into the newly threaded hole and tapped with a hammer to break the tang off.

Note: when repairing threads that are open into an engine, use long nose pliers to break off the tang to avoid the tang entering the engine.

Please note: Due to the nature of the tools in this kit the components are considered consumable.