

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.

7619_Instructions_V4

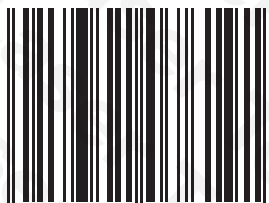
Guarantee

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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LASER[®]

7619

Cylinder Liners Extractor Tool



- Wet cylinder liner engine designs can be found in motorcycles, cars, heavy goods vehicles, agricultural engines, boats, aeroplane engines, etc.
- Wet cylinder liners can be found in vintage, classic and modern engines of all ages.
- Fully adjustable puller attachment covering cylinder diameters from 60mm to 160mm.
- Use with hand tools only.
- Pulling force provided by force screw.

Always lubricate the force screw with Molybdenum Disulphide Grease.

www.lasertools.co.uk

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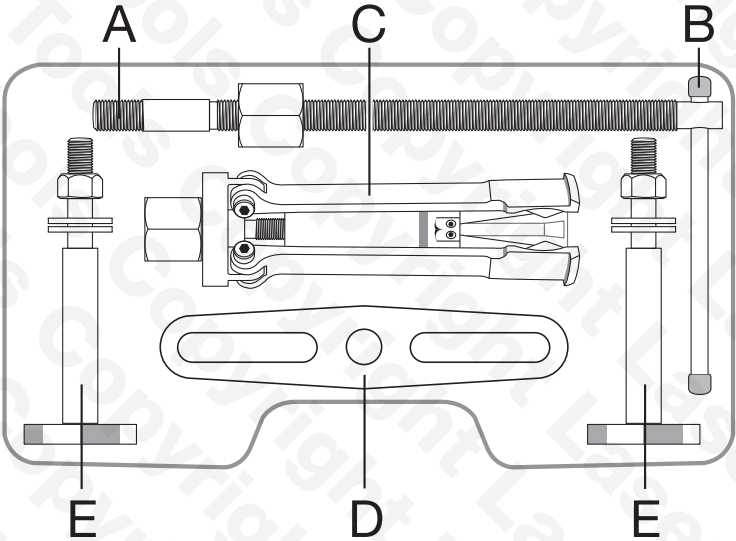
7619 - Cylinder Liners Extractor Tool

The Laser Tools 7619 is an internal extractor tool specifically designed to remove wet cylinder liners from the engine block. Wet cylinder liner engine designs can be found in motorcycles, cars, heavy goods vehicles, agricultural engines, stationary engines, marine engines, aeroplane engines, etc, of all ages, classic and modern.

The fully adjustable puller attachment covers cylinder diameters from 60mm to 160mm. Easily adjusted, when the T-Bar handle spindle is turned, all three extractor jaws spread quickly and without difficulty, until they are firmly seated beneath the bottom edge of the liner. The robust two-leg puller design with wide feet for stability, combined with the three-leg extractor design ensures an even and smooth extraction.

Use with hand tools only. **Always lubricate the force screw with molybdenum disulphide grease.** Before applying load ensure both puller leg top nuts are fully tightened and the 4mm locking screws are correctly located (refer to **Fig 2**). When performing extraction hold the force screw T-Bar and turn the 36mm extraction nut with a suitable spanner.

Components



Ref	Description
A	Main force screw
B	T-Bar (force screw)
C	Cylinder liner internal extractor
D	Cross-brace
E	Support legs



Fig.5

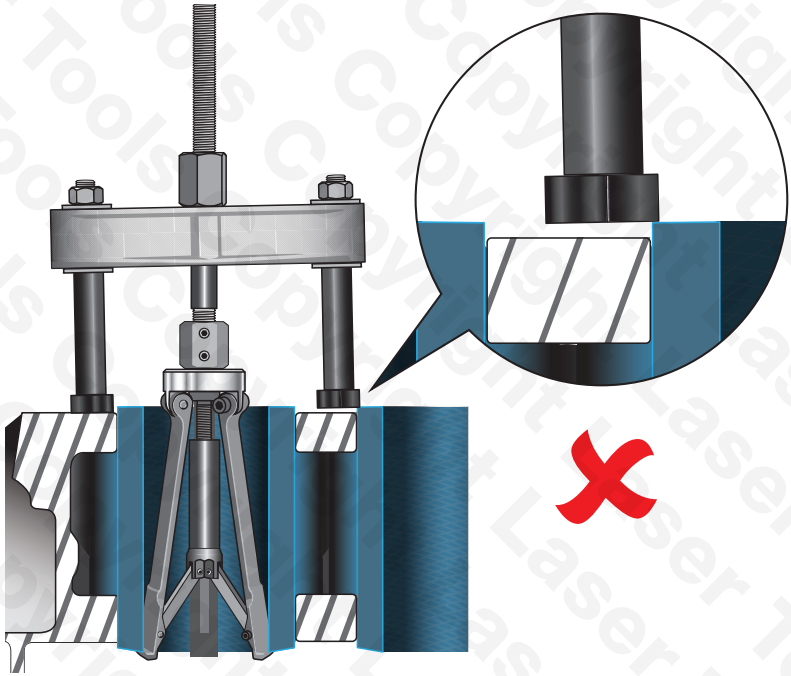
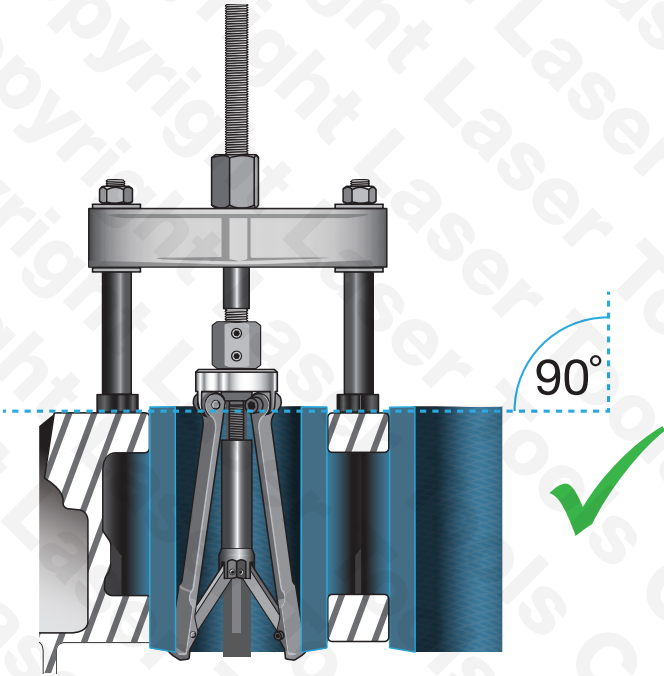
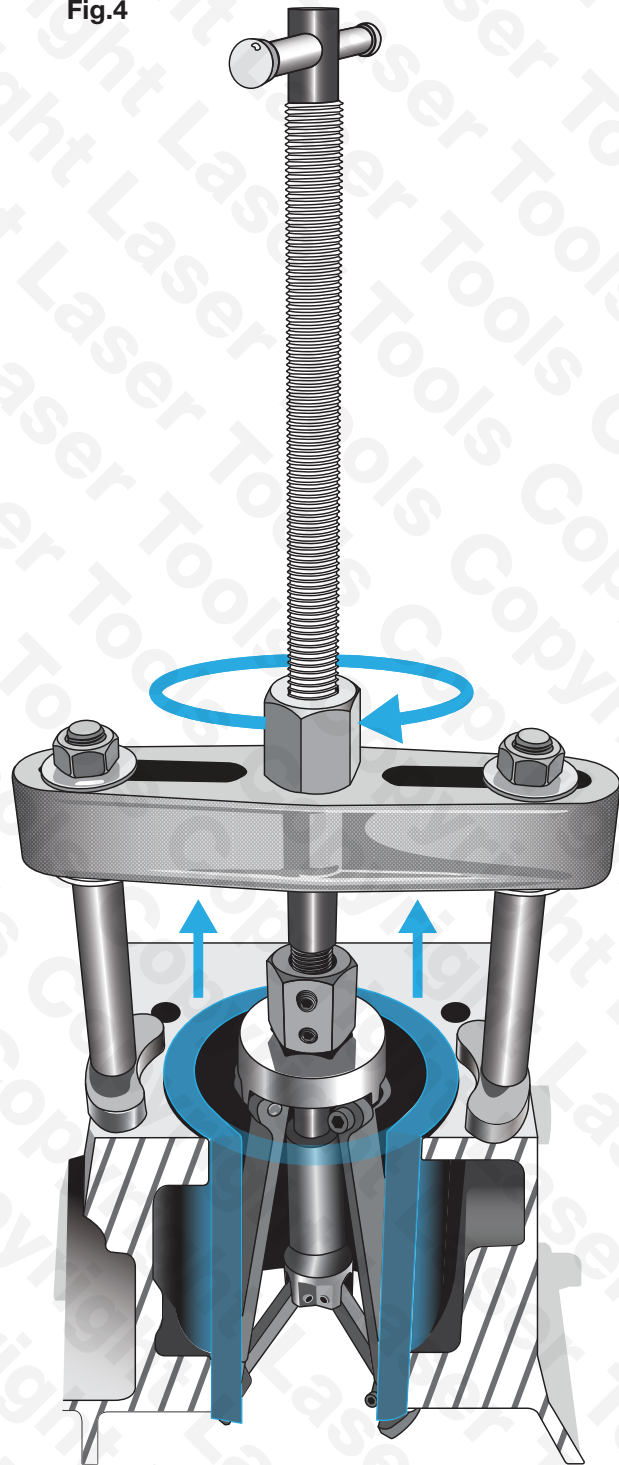


Fig.4



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

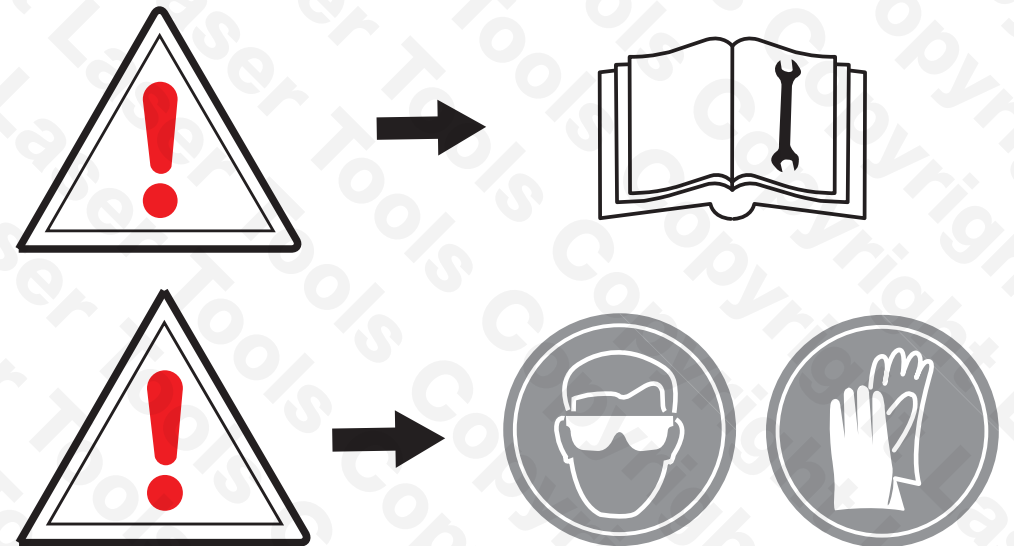


Fig.2

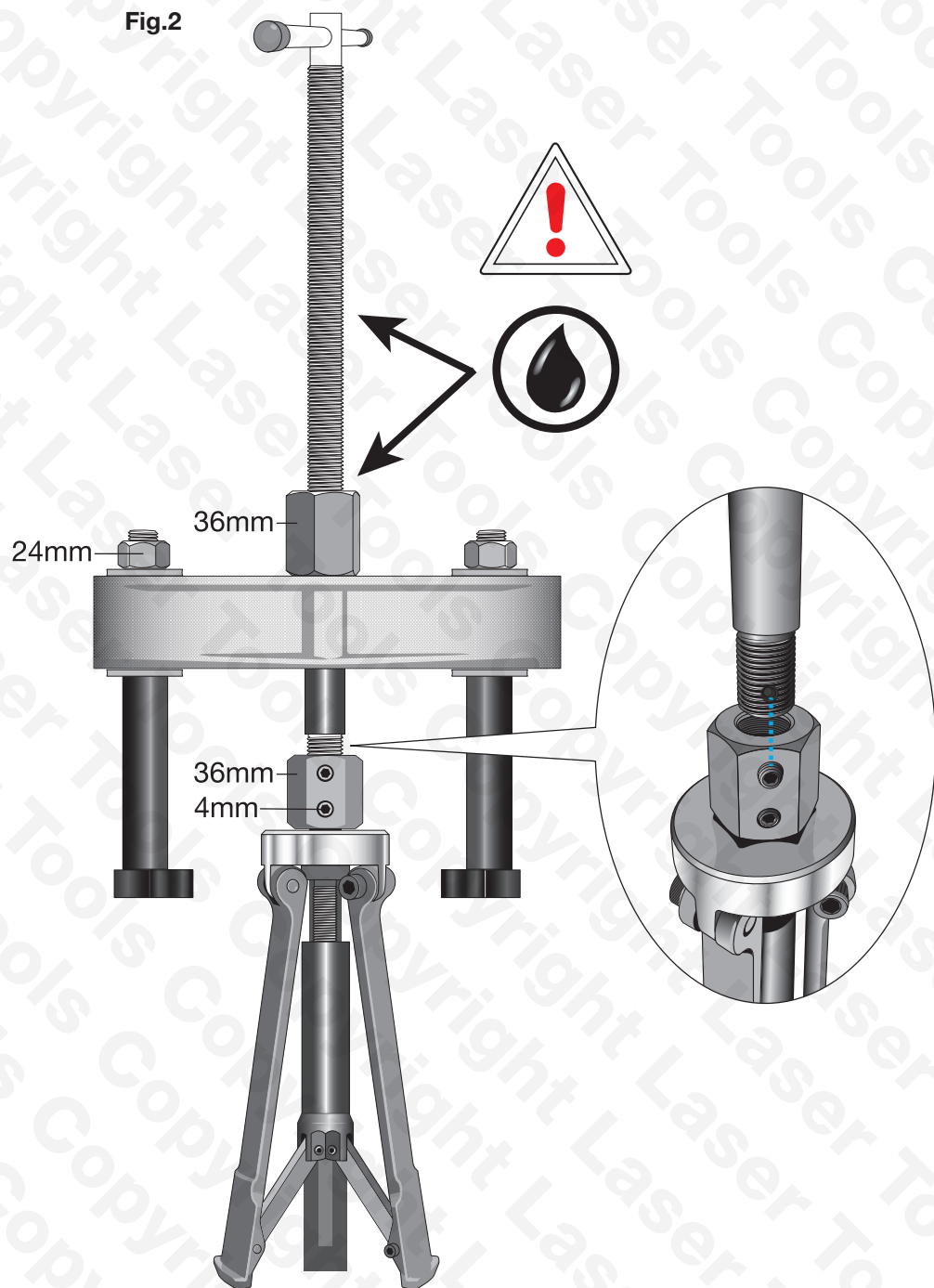


Fig.3

