



INSTRUCTIONS FOR:
**GLOW PLUG HEATER ELEMENT REMOVAL
 SET 8 & 10MM**
 MODEL NO: **VS315**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions and maintained properly, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
 Instruction
 Manual



Wear Eye
 Protection

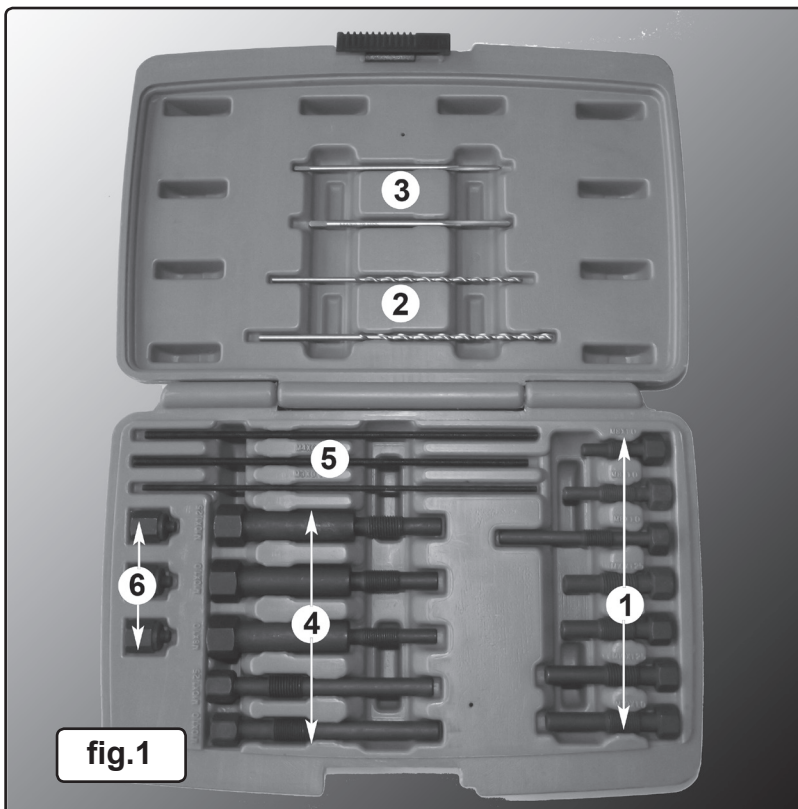
1. SAFETY

- WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.
- DO NOT** use tools if damaged.
- DO NOT** attempt to start engine or move vehicle whilst tools are fitted and work is in progress.
- Maintain tools in good and clean condition for best and safest performance.
- Wear approved eye protection. A full range of personal safety equipment is available from your Sealey dealer.
- Wear suitable clothing to avoid snagging. **DO NOT** wear jewellery and tie back long hair.
- Ensure any disconnected fuel pipes are plugged to avoid spillage.
- Account for all tools and parts being used, **DO NOT** leave them in or near the engine. Return all parts to the case and store this in a safe, dry, childproof location.
- IMPORTANT:** These instructions are provided as a guide only. Always refer to the vehicle manufacturer's service instructions, or a proprietary manual, to establish the current procedure and data.
- WARNING!** The warnings referred to in this guide cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

2. INTRODUCTION

For removing the broken piece of heater element that can break off during glow plug removal. Saves time not having to remove the cylinder head. Works by drilling/tapping a thread into the broken element so the supplied glow plug adaptors can be used to extract. Supplied with seven drilling/tapping guides and five glow plug extraction adaptors with either a M8 or M10 thread.

3. CONTENTS

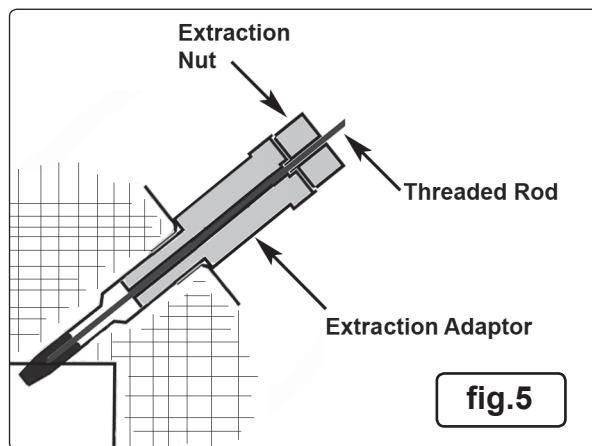
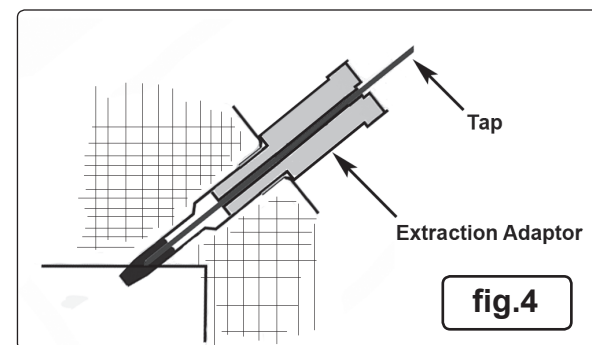
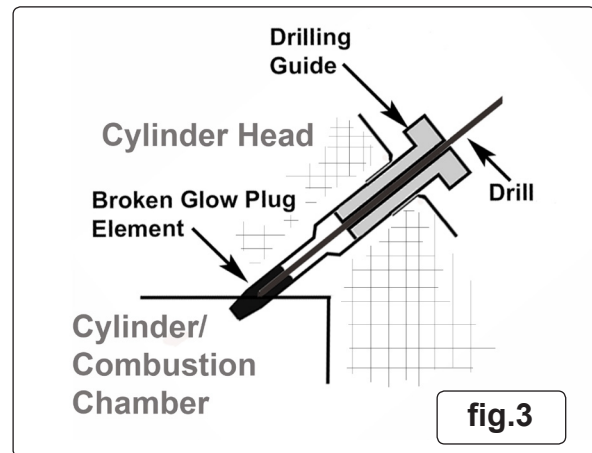
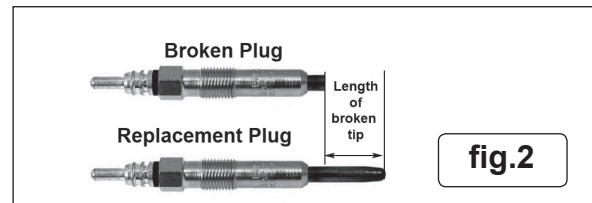


KEY:

- 1 Drilling Guides: M8 x 1, M10 x 1, M10 x 1.25mm
- 2 Drills: Ø 2.5, 3.3mm
- 3 Taps: M3 x 0.5, M4 x 0.7mm
- 4 ... Extraction Adaptors: M8 x 1, M10 x 1, M10 x 1.25mm
- 5 Threaded Rods: M3 x 0.5, M4 x 0.7mm
- 6 Extractor Nuts

4. INSTRUCTIONS

- 4.1. With reference to the replacement plug, find the matching drilling guide and screw into the glow plug port.
- 4.2. Determine the length of the broken portion as in fig.2.
- 4.3. Place the appropriate drill (2.5mm for M8, 3.3mm for M10) in a power drill and, using the drill guide (fig.1.1), drill into the broken element to a depth of approximately 10mm if the broken stub is long enough (fig.3).
- 4.4. Remove the drilling guide and replace with the correct extraction adaptor (fig.1.4). Fit the appropriate tap (M3 for M8 adaptor, M4 for M10 adaptor) into a tap holder and, using the extraction adaptor, tap into the electrode. Turn the tap back by a quarter turn every revolution to clear the swarf from the cutter (fig.4).
- 4.5. Once the thread is formed in the broken element, remove the tap and screw the appropriate threaded rod, through the extraction adaptor, into the element.
- 4.6. Run the correct extractor nut down the threaded rod until it makes contact with the extraction adaptor. Turn the nut gently with a spanner until the broken portion comes free (fig.5).
- 4.7. Unscrew the extraction adaptor carefully and remove, along with the threaded rod and element tip. As the broken tip is drawn to the top of the port, brush or blow any swarf clear to reduce the risk of debris entering the cylinder.
- 4.8. Examine the tip to ensure that no debris is left in the glow plug port before fitting the replacement plug.



Environmental Protection



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable dispose of it according to local regulations.

NOTE: It is our policy to improve products continually and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

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