

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



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- 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** use this tool for purposes other than for which it is designed.
- Maintain tools in good and clean condition for best and safest performance.
- Ensure that a vehicle which has been jacked up is adequately supported with axle stands.
- 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.
- Keep children and unauthorised persons away from the work area.
- Account for all tools and parts being used and do not leave them in or near the engine.
- DO NOT** use the glow plug reamer/base cleaning set when you are tired or under the influence of alcohol, drugs or intoxicating medicines.
- DO NOT** attempt to start engine or move vehicle, whilst tools are fitted and work is in progress.
- 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 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!** Failure to comply with these instructions may result in damage to the glow plug reamer/base cleaning set or vehicle and/or personal injury.
- 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 & SPECIFICATIONS

Quickly removes accumulations of carbon residue inside cylinder head assisting the installation and effective operation of replacement glow plugs. Includes 4 reamer guides which aid the centralisation of the Chrome Vanadium reamers. Suitable for M8, M10 and M12 threaded glow plugs. Supplied in blow moulded case.

Specifications:

Model No: VS312
 Application: M8, M10, M12 Glow Plugs
 Guide Size: M12x1.25, M10x1.25, M10x1.0, M8x1.0

3. CONTENTS

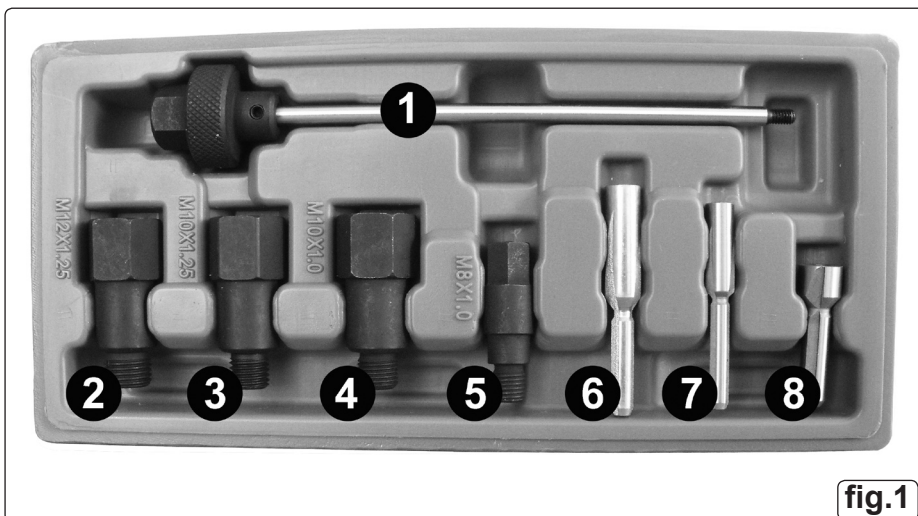


fig.1

| Item | Description | Item | Description | Item | Description |
|------|----------------------|------|---------------|------|--------------|
| 1 | Guide Rod and Handle | 4 | M10x1.0 Guide | 7 | Small Reamer |
| 2 | M12x1.25 Guide | 5 | M8x1.0 Guide | 8 | Large Reamer |
| 3 | M10x1.25 Guide | 6 | Medium Reamer | | |

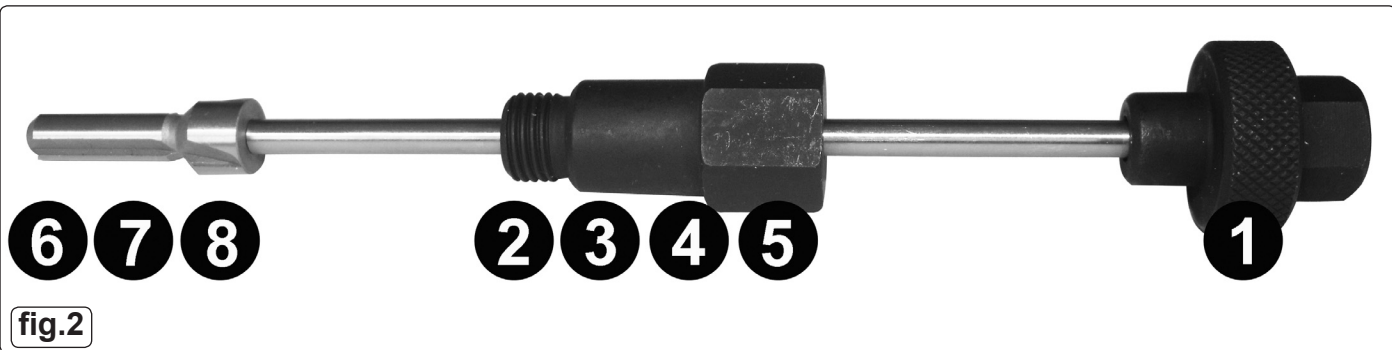


fig.2

4. INSTRUCTIONS

- **WARNING! Ensure you have read, understood and apply Section 1 safety instructions.**
- 4.1. Remove the glow plugs from the cylinder head.
- 4.2. Determine the thread size of the glow plugs. This can be done by carefully using the reamer guides to make a comparison with the threads in the glow plug aperture.
- 4.3. Assemble the set as shown in fig.2 using the correct configuration of reamer guide and reamer for the glow plug thread size. (See table opposite).
- 4.4. Smear the reamer with general purpose grease. This will hold the carbon deposits as they are removed and reduce carbon ingress into the engine.
- 4.5. Place the reamer into the glow plug aperture and secure with the reamer guide in the glow plug threads.
- 4.6. Apply a firm pressure to the guide rod and handle and rotate with an alternating clockwise and anti-clockwise movement. The guide rod and handle can be turned either by hand using the knurled portion of the handle as a grip, with a 14mm spanner or socket on the hexagon portion or a 1/4" drive ratchet can be inserted directly into the top of the handle.
- **WARNING! Take care not to cut into the metal seat.**
- 4.7. When the carbon deposits are removed the operation of the reamer will become smoother. Unscrew the reamer guide and remove the set from the glow plug aperture. Thoroughly clean the glow plug aperture to remove any traces of loose carbon deposits and grease.
- 4.8. Clean the reamer, re-apply a fresh smear of general purpose grease and repeat the procedure for the remaining glow plug apertures.
- 4.9. After use, ensure all tools are removed from the engine bay and stored away. Store in a safe, dry, childproof location.

| Reamer/Guide Configurations (Refer to fig.1 & fig.2) | |
|--|------------|
| Guide Size: | Reamer No: |
| M8x1.0 (5) | 7 |
| M10x1.0 (4) | 6 |
| M10x1.25 (3) | 6 |
| M12x1.25 (2) | 8 |

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or phone 01284 757500.

NOTE: It is our policy to continually improve products 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.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

| | | | |
|--|---|--------------|--|
| | Sole UK Distributor, Sealey Group, Kempson Way, Suffolk Business Park, Bury St. Edmunds, Suffolk IP32 7AR | 01284 757500 | www.sealey.co.uk sales@sealey.co.uk |
| | | 01284 703534 | |