



INSTRUCTIONS FOR: MULTI-PURPOSE ROTARY TOOL & ENGRAVER KIT

MODEL No: **E540.V3**

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 & 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.

1. SAFETY

1.1. ELECTRICAL SAFETY

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:

You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. You must also read and understand the following instructions concerning electrical safety.

- 1.1.1. The **Electricity at Work Act 1989** requires that all portable electrical appliances, if used on business premises, are tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.
- 1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.
- 1.1.6. **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.
- 1.1.7. **DO NOT** pull or carry the appliance by the power cable.
- 1.1.8. **DO NOT** pull the plug from the socket by the cable.
- 1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Have any faulty item repaired or replaced immediately by a qualified electrician. When a BS 1363/A UK 3 pin plug is damaged, cut the cable just above the plug and **dispose of the plug safely.**


Fit a new plug according to the following instructions (UK only).

a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.

b) Connect the BROWN live wire to the live terminal 'L'.

c) Connect the BLUE neutral wire to the neutral terminal 'N'.

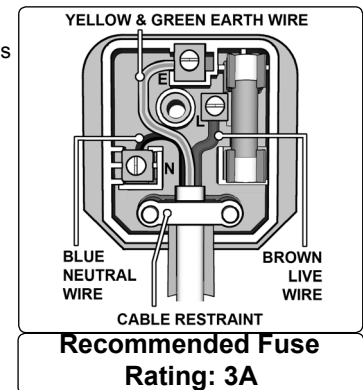
d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.

Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated above - **DO NOT** connect either wire to the earth terminal.

- 1.1.10. Products which require more than 13A are supplied without a plug. In this case you must contact a qualified electrician to ensure that a suitably rated supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.
- 1.1.11. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2 GENERAL SAFETY

- ✓ Only power the tool from the mains supply.
- ✓ Disconnect the tool from the mains supply before changing accessories, servicing or performing any maintenance.
- ✓ Maintain tool and accessories in good condition. Check moving parts and alignment. If necessary use an authorised service agent.
- ✓ Replace or repair damaged parts using recommended parts. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Wear approved safety eye protection with side shields and a dust mask if generating dust.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ Use the tool in a suitable working area, keep area clean and tidy and free from unrelated materials and ensure that there is adequate lighting.
- ✓ Prevent body contact with earthed surfaces to avoid electric shock e.g. pipes, radiators, refrigerators etc.
- ✓ Maintain correct balance and footing.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Secure unstable workpiece with a clamp, vice or other adequate holding device.
- ✓ Avoid unintentional starting. Keep the tool clean for best and safest performance.
- ✓ When not in use switch tool off and unplug it from the mains supply. Store it in the case and put in a dry, childproof area.
- X **DO NOT** operate the tool if any parts are missing or damaged as this may cause failure and/or personal injury.
- X **DO NOT** operate the tool when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- X **DO NOT** over-reach. Ensure the floor is not slippery and wear non-slip shoes.
- X **DO NOT** use the tool for a task it is not designed to perform.
- X **DO NOT** operate tool where there are flammable liquids or gases.
- X **DO NOT** get the tool wet or use in damp or wet locations.
- X **DO NOT** carry the tool by the cable.
- X **DO NOT** hold unsecured work in your hand.
- X **DO NOT** leave the tool running unattended.



2. INTRODUCTION

Multi-purpose high-speed power tool with on/off and electronic variable speed controls. Stepless control between 10000 and 32000rpm. Spindle lock for fast tool changes. Supplied with a full range of tips, wheels, sanding discs/bands, dressing stone, chuck spanner and flexible rotary shaft. Suitable for carving, shaping, de-burring, drilling, engraving, cutting and tool sharpening. Supplied in carry-case.

3. SPECIFICATION

Model No:.....	E540.V3
Motor Power - Supply	135W - 230V
Speed Range	10000 to 32000rpm
Collet Capacities	2.3mm and 3mm
Twist Drills.....	2.3mm and 3mm
Mounted Points	10pcs
Diamond Tipped Engraving Heads	2pcs
Sanding Cylinder.....	12.7mm x 15mm
Accessories.....	Sanding bands (4pcs), Sanding discs (3pcs), Spanner Cutting Discs (8pcs), Polishing Wheels (4pcs) Dressing Stone

4. CONTENTS

3.1 Refer to fig.1 and 2.

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|---------------------------------|--------------------------------------|
| 1) 10 Point Grinding wheel set. | 10) Sanding band (12.7 x 12.7mm). |
| 2) Spherical diamond cutter. | 11) Sanding shank (12.7 x 12.7mm). |
| 3) Tapered diamond cutter. | 12) Spanner (9.7mm). |
| 4) Mandrel for felt wheel. | 13) Brass collet (2.3mm). |
| 5) Mandrel for cut-off wheel. | 14) Flexible drive locking bar. |
| 6) HSS twist drill (2.3mm) | 15) Felt wheel (22 x 7mm). |
| 7) HSS twist drill (3mm). | 16) Felt wheel 12.7 x 7mm). |
| 8) Cut-off wheels. | 17) Dressing stone (20 x 10 x 10mm). |
| 9) Sanding discs (20 x 0.35mm). | 18) Flexible extension drive. |
| | 19) Motor unit. |

5. OPERATION

5.1. Fitting Accessories

- 5.1.1. Ensure the tool is switched off and unplugged from the mains supply.
- 5.1.2. Press the spindle lock button and slowly turn the collet nut until the spindle lock engages. Refer to Fig.1.
- 5.1.3. Retain pressure on the spindle lock button and turn the collet nut anticlockwise to open the collet.

NOTE: Never press the spindle lock button when the tool is running.

- 5.1.4. The required accessory may now be fitted into the collet. Fully insert the accessory shaft to reduce the risk of bending in use. Tighten the collet nut firmly. Finally, release the spindle lock button.

5.2. Changing collets

- 5.2.1. To change collets, proceed as in paragraphs 5.1.1. to 5.1.3. but continue to unscrew the collet nut until it can be removed from the spindle. Change collets and replace the collet nut.

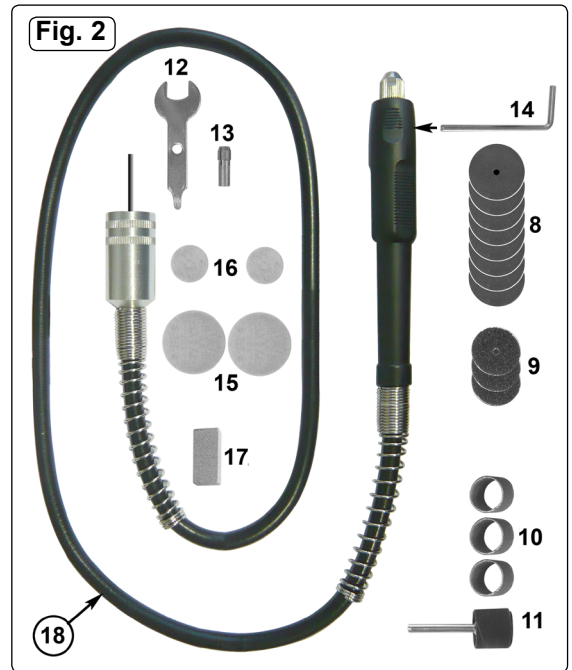
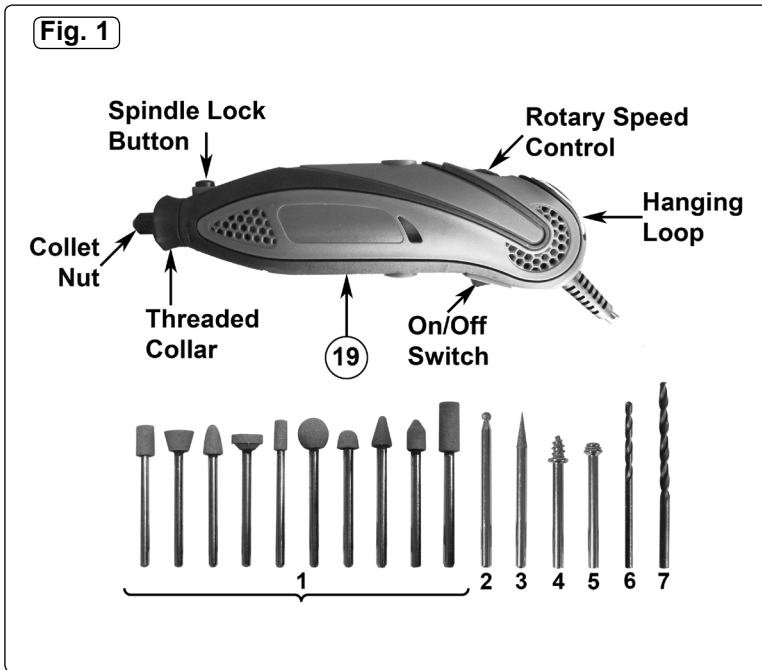
5.3. Operation

- 5.3.1. Select the speed required on the rotary speed control. Refer to Fig.1. Small accessories require high speed and large accessories low speed. If in doubt, start on a low setting and gradually increase the speed until the best performance is obtained.

- 5.3.2. **NOTE: DO NOT** switch ON with a tool bit touching the workpiece. Always allow a bit to reach required speed before applying it to the workpiece.

5.4. Flexible extension drive

- 5.4.1. Ensure the tool is switched off and unplugged from the mains supply.
- 5.4.2. To connect the flexible drive extension pull the drive shaft out of the aluminium connector by about 30mm as shown in Fig.2.
- 5.4.3. Unscrew the black threaded collar from the drive end of the motor unit. See Fig.1.
- 5.4.4. Press the spindle lock button and slowly turn the collet nut until the spindle lock engages. Refer to Fig.1.
- 5.4.5. Retain pressure on the spindle lock button and turn the collet nut anticlockwise to open the collet.
- 5.4.6. Insert the drive shaft into the collet and hand tighten the collet nut. Further tighten the nut using the spanner provided. See Fig.2-12.
- 5.4.7. Bring the extension drive connector up to the thread on the motor unit and screw it fully on clockwise.
- 5.4.8. At the other end of the flexible drive insert the locking bar (14) into the hole in the drive head as indicated in Fig.2. Turn the collet nut clockwise until the locking bar slides into the hole in the shaft and locks it.
- 5.4.9. Turn the collet nut anti-clockwise to loosen the collet and insert the required accessory. Hand tighten the collet nut and then further tighten it using the spanner provided. See Fig.2-12.
- 5.4.10. Remove the locking bar.
- 5.4.11. Position yourself, ready for work, holding the drive head firmly before turning the motor unit on.



6. MAINTENANCE

- 6.1. **Cleaning.** Keep the tool ventilation slots clean and free from obstructions. If available, blow compressed air into the vents to clear any internal dust. Safety goggles **MUST** be worn when undertaking this process. Keep the drill outer case clean and free from grease. Wipe it down with a damp cloth. **DO NOT** wash with water or use solvents or abrasives.

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 telephone 01284 757500.

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 and requires disposal, drain off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.



WEEE Regulations

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

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.



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