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Expert

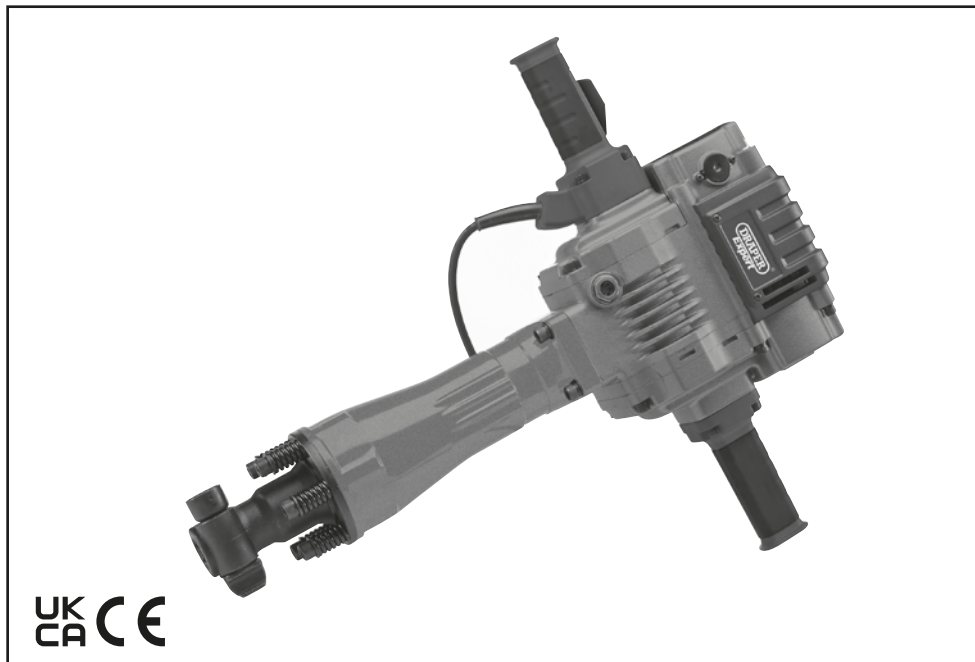
GB

3 Year
WARRANTY

230V 22.5kg

T-HANDLE HEXAGON BREAKER

56413



UK
CA CE

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR: 230V 2100W 22.5kg T-Handle Hexagon Breaker

Stock No: 56413

Part No: HEXBKR/E/T2100

1.2 REVISIONS:

Date first published June 2019.

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://drapertools.com/manuals>

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1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

WARNING! – Information that draws attention to the risk of injury or death.

CAUTION! – Information that draws attention to the risk of damage to the product or surroundings.

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In all cases this copyright notice must remain intact.

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3. WARRANTY

3.1 WARRANTY

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact:

Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.

Telephone Sales Desk: (023) 8049 4333 or: Product Help line (023) 8049 4344.

A proof of purchase must be provided.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. The warranty is extended to 24 months from the date of purchase for parts only. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

FREE



Draper Tools Limited takes pride in the quality of its products and the services offered to our valued customers, as a result we offer a free, 3 year extended warranty for this product.

***To register your warranty, visit: drapertools.com/warranty-registration**

By registering your product you'll automatically become a Draper Club Member where you will have the option to receive news of our new products, offers, deals, competitions and more!

Registration can only be completed online. Full registration must be completed within 30 days from the date of purchase. The 3 year extended warranty only applies to permanent UK residents, to the original product purchased from an authorised Draper Tools stockist for use in their appropriate profession/trade. This warranty is not valid to purchasers reselling or hiring the product. This warranty is not transferrable and is only available to the original product purchaser who has completed their registration and is a Draper Club Member. The 3 year extended warranty period starts from the date of purchase and is not extended following an inspection, repair or replacement.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

For full terms and conditions visit: drapertools.com/corporate-policies

4. INTRODUCTION

4.1 SCOPE

This T-handle hexagon breaker is designed to break concrete or similar materials. It is intended for trade use and has the quality and features to meet and exceed the expectations of the most demanding user.

Any application other than that it was designed for is considered misuse.

4.2 SPECIFICATION

| | |
|------------------------------------|------------------------|
| Stock No. | 56413 |
| Part No. | HEXBKR/E/T2100 |
| Rated voltage | 230V~50Hz |
| Rated input | 2100W |
| Speed (no load) | 1650b/min |
| Impact energy | 85 Joules |
| Sound pressure level (LpA)*: | 85.09dB(A) |
| Sound power level (LWA)**: | 107dB(A) |
| Uncertainty (K): | 3dB(A) |
| Vibration level | 18.421m/s ² |
| Weight | 22.5kg |

* *Continuous A-Weighted Sound Pressure Level at the workstation in accordance to and declared according to EN60745.*

** *The typical A-weighted noise level determined according to EN60745.*

4.3 HANDLING & STORAGE

- Care must be taken when handling this product.
 - Dropping this power tool could have an effect on its accuracy and could also result in personal injury. This product is not a toy and must be respected.
- Environmental conditions can have a detrimental effect on this product if neglected.
 - Exposure to damp air can gradually corrode components.
 - If the product is unprotected from dust and debris, components will become clogged.
 - If not cleaned and maintained correctly or regularly, the machine will not perform at its best.

5. HEALTH AND SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

Warning! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.
- Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

5. HEALTH AND SAFETY INFORMATION

- Do not let familiarity gained from frequent use of tools **allow** you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

Power tool use and care

- Do not force the power tool. Use the correct power tool for your application. The correct power tool **will** do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not **allow** persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are **less** likely to bind and are easier to control.
- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not **allow** for safe handling and control of the tool in unexpected situations.

Service

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

5.2 ADDITIONAL SAFETY INSTRUCTIONS FOR HEXAGON BREAKER

Important: Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

1. Wear ear protectors. Exposure to noise can cause hearing loss.
2. Always use both hands to operate. Loss of control can cause personal injury.
3. Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
4. Wear a hard hat (safety helmet), safety glasses and/or face shield. Ordinary eye or sun glasses are NOT safety glasses. It is also highly recommended that you wear a dust mask and thickly padded gloves.
5. Be sure the bit is secured in place before operation.
6. Under normal operation the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.

5. HEALTH AND SAFETY INFORMATION

5.2 ADDITIONAL SAFETY INSTRUCTIONS FOR HEXAGON BREAKER

7. In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warm-up, hammering operation is difficult.
8. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
9. Keep hands away from moving parts.
10. Do not leave the tool running. Operate the tool only when hand-held.
11. Do not point the tool at any one in the area when operating. The bit could fly out and injure someone seriously.
12. Do not touch the bit or parts close to the bit (with bare hands) immediately after operation, they may be hot.

5.3 RESIDUAL RISK

Important: Although the safety instructions and operating manuals for our tools contain extensive instructions of safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!

5. HEALTH AND SAFETY INFORMATION

5.4 CONNECTION TO THE POWER SUPPLY

Caution: Risk of electric shock. Do not open.

This appliance is supplied with a moulded 3 pin mains plug for your safety. The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BSI Kite marked.

ASTA 

BSI 


The fuse cover is removable with a small plain slot screwdriver. Ensure the fuse cover is replaced before attempting to connect the plug to an electrical outlet. If the cover is missing, a replacement must be obtained or the plug replaced with a suitable type.

If a replacement plug is to be fitted this must be carried out by a qualified electrician.

The damaged or incomplete plug, when cut from the cable should be disabled to prevent connection to a live electrical outlet.

This appliance is Class II[†] and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

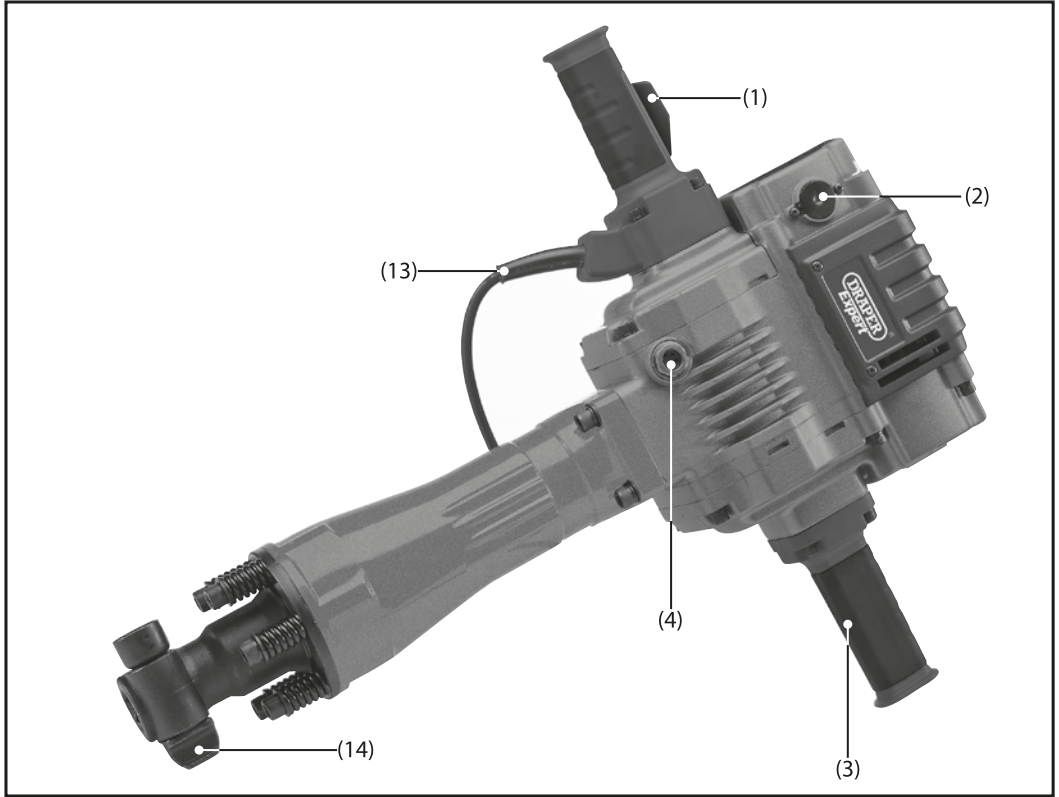
If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instruction supplied with the extension lead.

[†]Double insulated : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

Important: If using an extension lead, follow the instructions that came with your lead regarding maximum load while cable is wound. If in doubt, ensure that the entire cable is unwound. Using a coiled extension lead will generate heat which could melt the lead and cause a fire.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



(1) On/off trigger switch.

(2) Carbon brushes cover.

(3) T - Handle.

(4) Oil reservoir.

(13) Mains cable & plug.

(14) Tool retainer.

7. UNPACKING AND CHECKING

7.1 PACKAGING

Carefully remove the product from the packaging and examine it for any sign of damage that may have happened during shipping. If any part is damaged or missing, please contact the Draper Help Line (the telephone number appears on the Title page) and do not attempt to use the product.

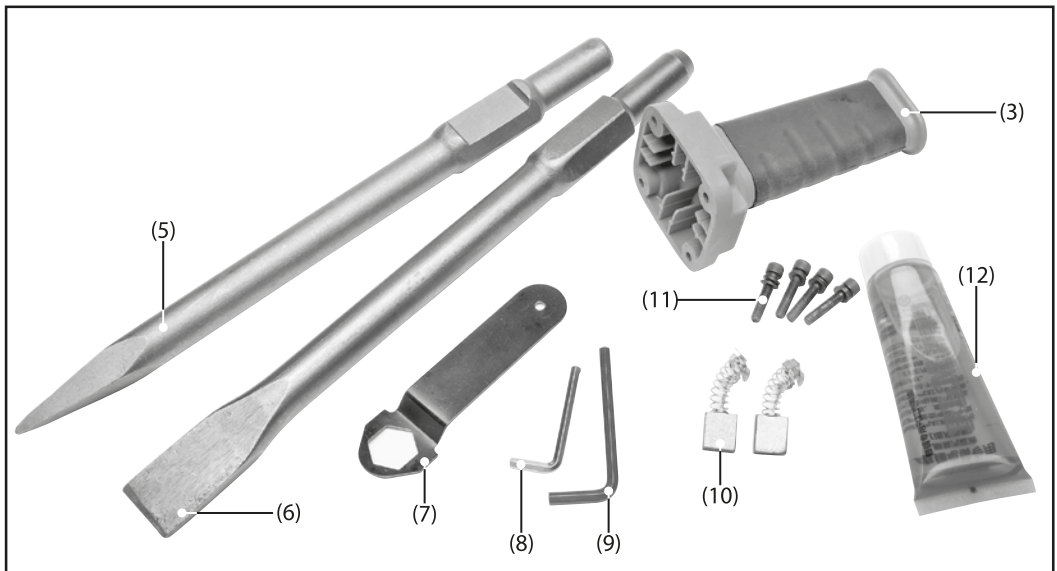
The packaging material should be retained at least during the guarantee period in case the machine needs to be returned for repair.

Warning!

- Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.
- If any of the packaging is to be thrown away, make sure they are disposed of correctly, according to local regulations.

7.2 WHAT'S IN THE BOX

As well as the product, there are several parts not fitted or attached to it.



(5) 410mm x 30mm Pointed chisel.

(6) 410mm x 30mm Flat chisel.

(7) Hexagon spanner.

(8) 5mm Hexagon key.

(9) 6mm Hexagon key.

(10) 1 pair replacement brushes.

(11) 4 x 5mm bolts (for handle).

(12) Oil.

8. PREPARING THE HEXAGON BREAKER

8.1 FIXING THE AUXILIARY T-HANDLE – FIG. 1

Warning!

This hex breaker must always be used with both T-handles. The trigger T-handle is already fitted to the housing but the auxiliary T-handle must be bolted to the housing using the 4 hex bolts (11) supplied.

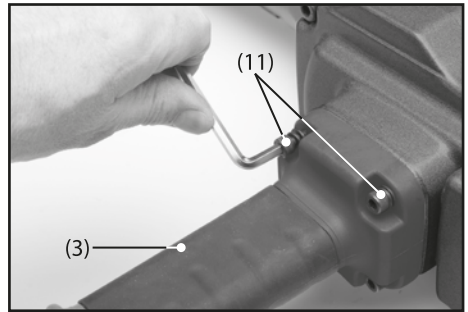


FIG.1

8. PREPARING THE HEXAGON BREAKER

8.2 LUBRICATION OIL LEVEL

- FIG. 2

Check the level of lubrication oil in the breaker every day before use. The reservoir has sufficient oil to last approximately 20 days when full, based on 3 hours a day usage.

To check, hold the tool vertically and rest on the floor. The sight glass window (4) is situated on the front of the product, Fig.2. When the oil level is 2-3mm above the bottom of the sight glass window the oil must be refilled.

Note: Machine is supplied without oil to prevent leakage during transit. Follow instructions below to fill before use.

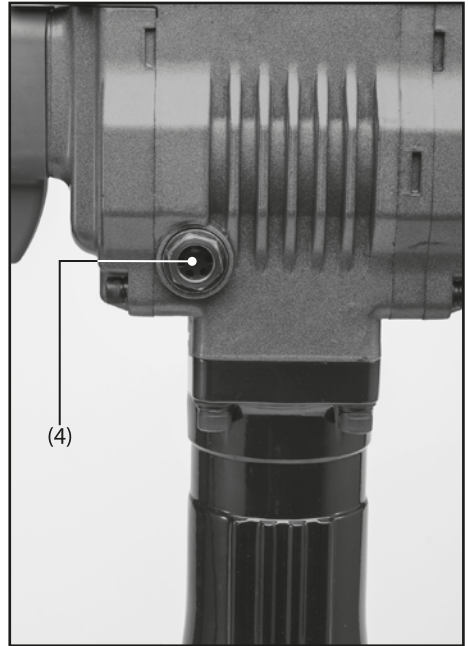


FIG.2

8.3 FILLING THE OIL RESERVOIR

- FIGS. 3 & 4

Turn the tool onto its back with the sight glass window facing upwards.

Remove sight glass window (4) with the supplied spanner (7), making sure not to damage or lose the gasket, Fig.3.

Refill oil to approximately 10mm below the bottom of the threaded hole the sight glass fits into, Fig.4.

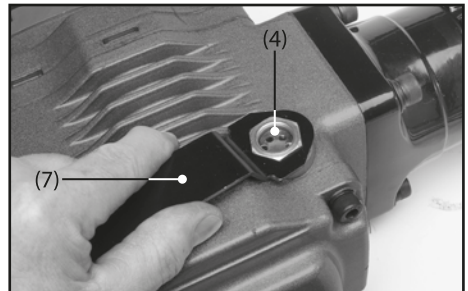


FIG.3

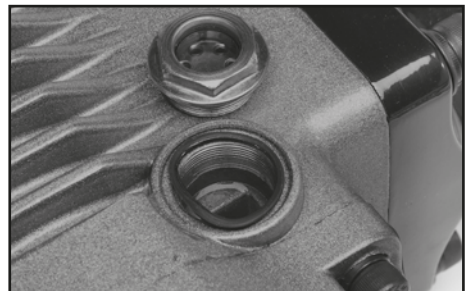


FIG.4

8. PREPARING THE HEXAGON BREAKER

8.4 FITTING AND CHANGING BITS – FIGS. 5-7

Warning!

Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

To fit or change a bit pull the tool retainer out and turn anti-clockwise 180°, Fig.5.

To remove and or install a bit in the end turn the tool retainer 180° again allowing it to return to its original position, Fig.6.

Grasp the bit and verify it is secure by pulling firmly out of the tool. The bit should move around 2 inches but not come out of the tool, Fig.7.

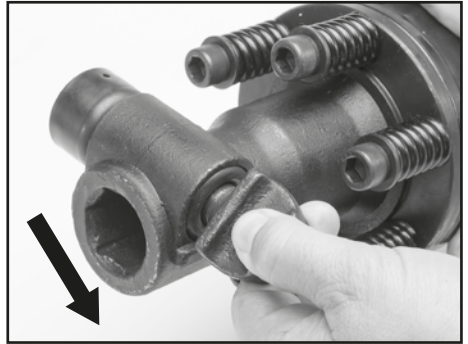


FIG.5

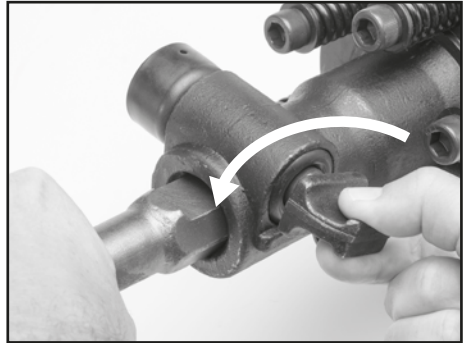


FIG.6

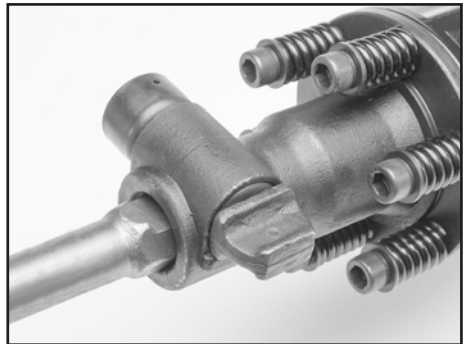


FIG.7

8. PREPARING THE HEXAGON BREAKER

8.5 CHECKING AND FITTING OF CARBON BRUSHES – FIGS. 8-10

Warning!

Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

Remove the 2 screws from cover (2) using a cross headed screwdriver (not supplied), Fig.8.



FIG.8

Remove the cover (2) completely, then the plastic cover underneath with a flat headed screwdriver (not supplied), Fig.9.

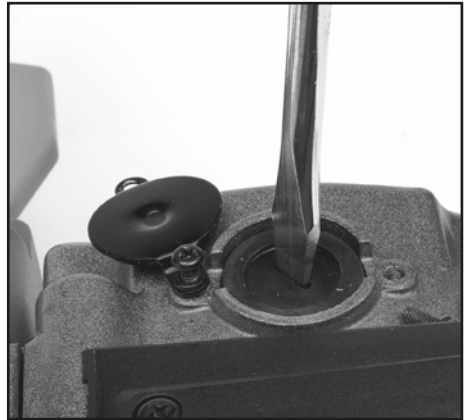


FIG.9

Remove brush by pulling the brass plate upwards, the brush will follow.

If the brush is worn below minimum (2A) mark on brush then replace with new brushes, Fig.10.

Assembly is reverse of removal.

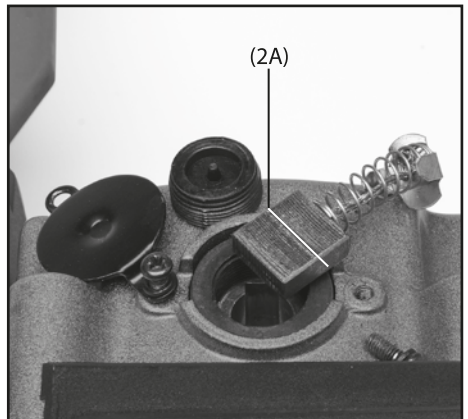


FIG.10

9. MAINTENANCE AND TROUBLESHOOTING

9.1 MAINTENANCE

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tool in good working condition.

The motor must be correctly ventilated during tool operation. Avoid blocking the air inlets and vacuum the ventilation slots regularly.

9.2 TROUBLESHOOTING

Note: Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

| Problem | Possible Cause | Remedy |
|-----------------------|---|---|
| Motor does not start. | <ol style="list-style-type: none">1. Fuse.2. Brushes worn.3. Other. | <ol style="list-style-type: none">1. Replace/reset time delay fuse or circuit breaker.2. Have brushes replaced by an authorised service agent.3. Contact an authorised service agent. |

10. OPTIONAL ACCESSORIES

10.1 OPTIONAL ACCESSORIES

Spare parts are available from Draper Tools.

Please visit our website for details: drapertools.com

11. DISPOSAL

11.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not dispose of WEEE* as unsorted municipal waste.



* *Waste Electrical & Electronic Equipment.*

12. EXPLANATION OF SYMBOLS

12.1 EXPLANATION OF SYMBOLS



Read the instruction manual.



Wear face mask and safety glasses.



Wear ear defenders.



Wear protective gloves.



Long and loose hair must be contained or securely tied back.



Keep out of the reach of children.



Warning!



Class II construction
(Double insulated).



WEEE –
Waste Electrical &
Electronic Equipment.

Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish.

CONTACTS

Draper Tools Limited, Hursley Road,
Chandler's Ford, Eastleigh, Hampshire. SO53 1YF. U.K.

Help line: (023) 8049 4344

Sales Desk: (023) 8049 4333

Internet: drapertools.com

E-mail: sales@drapertools.com

General Enquiries: (023) 8026 6355

Service/Warranty Repair Agent:

For aftersales servicing or warranty repairs, please contact the
Draper Tools Help line for details of an agent in your local area.

YOUR DRAPER STOCKIST

TALJ0619

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