GB

230V 750W

IMPACT DRILL

56369

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 750W Impact Drill
Stock No: 56369
Part No: ID750MGD

1.2 REVISIONS:

Date first published September 2018.

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.

1.4 COPYRIGHT © NOTICE:

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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 Helpline (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.

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.

4. INTRODUCTION

4.1 SCOPE

This impact drill is ideal for use with a variety of drill bits, intended for drilling wood, metal, plastic and masonry/brickwork.

As part of our core range, this product is suitable for enthusiasts and tradespeople alike. Any application other than that it was intended for, is considered misuse.

4.2 SPECIFICATION

Stock no.	56369
Part no.	ID750MGD
Rated voltage	230V~50Hz
Rated input	750W
Drilling capacity:	
Masonry	13mm
Wood	25mm
Mild steel	13mm
Impact force	4 Joules
Revolutions per minute (no load)	0 – 3,000r/min
Impact rate	0 – 48,000b/min
Chuck type	Keyless
Sound pressure level (LpA)*:	98.06dB(A)
Sound power level (LWA)**	109.06dB(A)
Uncertainty (K):	3dB(A)
Vibration level:	
Impact drilling into concrete	17.116m/s², K=1.5m/s²
Drilling into metal	5.726m/s², K=1.5m/s²
Weight (drill only)	2.1kg

* *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 AND 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

When using any type of power tool there are steps that should be taken to make sure that you, as the user, remain safe.

Common sense and a respect for the tool will help reduce the risk of injury.

Read the instruction manual fully. Do not attempt any operation until you have read and understood this manual.

Most important you must know how to safely start and stop this machine, especially in an emergency.

Keep the work area tidy and clean. Attempting to clear clutter from around the machine during use will reduce your concentration. Mess on the floor creates a trip hazard. Any liquid spilt on the floor could result in you slipping.

Find a suitable location. If the machine is bench mounted, the location should provide good natural light or artificial lighting as a replacement. Avoid damp and dust locations as it will have a negative effect on the machine's performance. If the machine is portable do not expose the tool to rain. In all cases do not operate power tools near any flammable materials.

Keep bystanders away. Children, onlookers and passers by must be restricted from entering the work area for their own protection. The barrier must extend a suitable distance from the tool user.

Unplug and house all power tools that are not in use. A power tool should never be left unattended while connected to the power supply. They must be housed in a suitable location, away locked up and from children. This includes battery chargers.

Do not overload or misuse the tool. All tools are designed for a purpose and are limited to what they are capable of doing. Do not attempt to use a power tool (or adapt it in any way) for an application it is not designed for. Select a tool appropriate for the size of the job. Overloading a tool will result in tool failure and user injury. This covers the use of accessories.

Dress properly. Loose clothing, long hair and jewellery are all dangerous because they can become entangled in moving machinery. This can also result in parts of body being pulled into the machine. Clothing should be close fitted, with any long hair tired back and jewellery and neck ties removed. Footwear must be fully enclosed and have a non-slip sole.

Wear personal protective equipment (PPE). Dust, noise, vibration and swarf can all be dangerous if not suitably protected against. If the work involving the power tool creates dust or fumes wear a dust mask. Vibration to the hand, caused by operating some tools for longer periods must be protected against. Wear vibration reducing gloves and allow long breaks between uses. Protect against dust and swarf by wearing approved safety goggles or a face shield. These are some of the more common hazards and preventions, however, always find out what hazards are associated with the machine/work process and wear the most suitable protective equipment available.

Do not breathe contaminated air. If the work creates dust or fumes connect the machine (if possible) to an extraction system either locally or remotely. Working outdoors can also help if possible.

Move the machine as instructed. If the machine is hand held, do not carry it by the power supply cable. If the product is heavy, employ a second or third person to help move it safely or use a mechanical device. Always refer to the instructions for the correct method.

Do not overreach. Extending your body too far can result in a loss of balance and you falling. This could be from a height or onto a machine and will result in injury.

Maintain your tools correctly. A well maintained tool will do the job safely. Replace any damaged or missing parts immediately with original parts from the manufacturer. As applicable, keep blades sharp, moving parts clean, oiled or greased, handles clean, and emergency devices working.

Wait for the machine to stop. Unless the machine is fitted with a safety brake, some parts may continue to move due to momentum. Wait for all parts to stop, then unplug it from the power supply before making any adjustments, carrying out maintenance operations or just finishing using the tool.

Remove and check setting tools. Some machinery requires the use of additional tools or keys to set, load or adjust the power tool. Before starting the power tool always check to make certain they have been removed and are safely away from the machine.

Prevent unintentional starting. Before plugging any machine in to the power supply, make sure the switch is in the OFF position. If the machine is portable, do not hold the machine near the switch and take care when putting the machine down, that nothing can operate the switch.

Carefully select an extension lead. Some machines are not suitable for use with extension leads. If the tool is designed for use outdoors, use an extension lead also suitable for that environment. When using an extended lead, select one capable of handling the current (amps) drawn by the machine in use. Fully extend the lead regardless of the distance between the power supply and the tool. Excess current (amps) and a coiled extension lead will both cause the cable to heat up and can result in fire.

Concentrate and stay alert. Distractions are likely to cause an accident. Never operate a power tool if you are under the influence of drugs (prescription or otherwise), including alcohol or if you are feeling tired. Being disorientated will result in an accident.

Have this tool repaired by a qualified person. This tool is designed to conform to the relevant international and local standards and as such should be maintained and repaired by someone qualified, using only original parts supplied by the manufacturer. This will ensure the tool remains safe to use.

5.2 ADDITIONAL SAFETY INSTRUCTIONS FOR IMPACT DRILLS

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.

- Power tools shall not be used in potentially explosive atmospheres unless specifically designed for that purpose.
- Unexpected tool movement due to reaction forces or breakage may cause injuries.
- Power tools shall be isolated from the energy source before changing or adjusting the inserted tool.

Warning!

- Wear appropriate ear protection when impact drilling. Exposure to noise can cause hearing loss.
- Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.
- Hold the power tool by the insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. A cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could cause an electric shock to the operator.

5.3 RESIDUAL RISK

Important note: 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!

5.4 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 BS 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 instructions supplied with the extension lead.

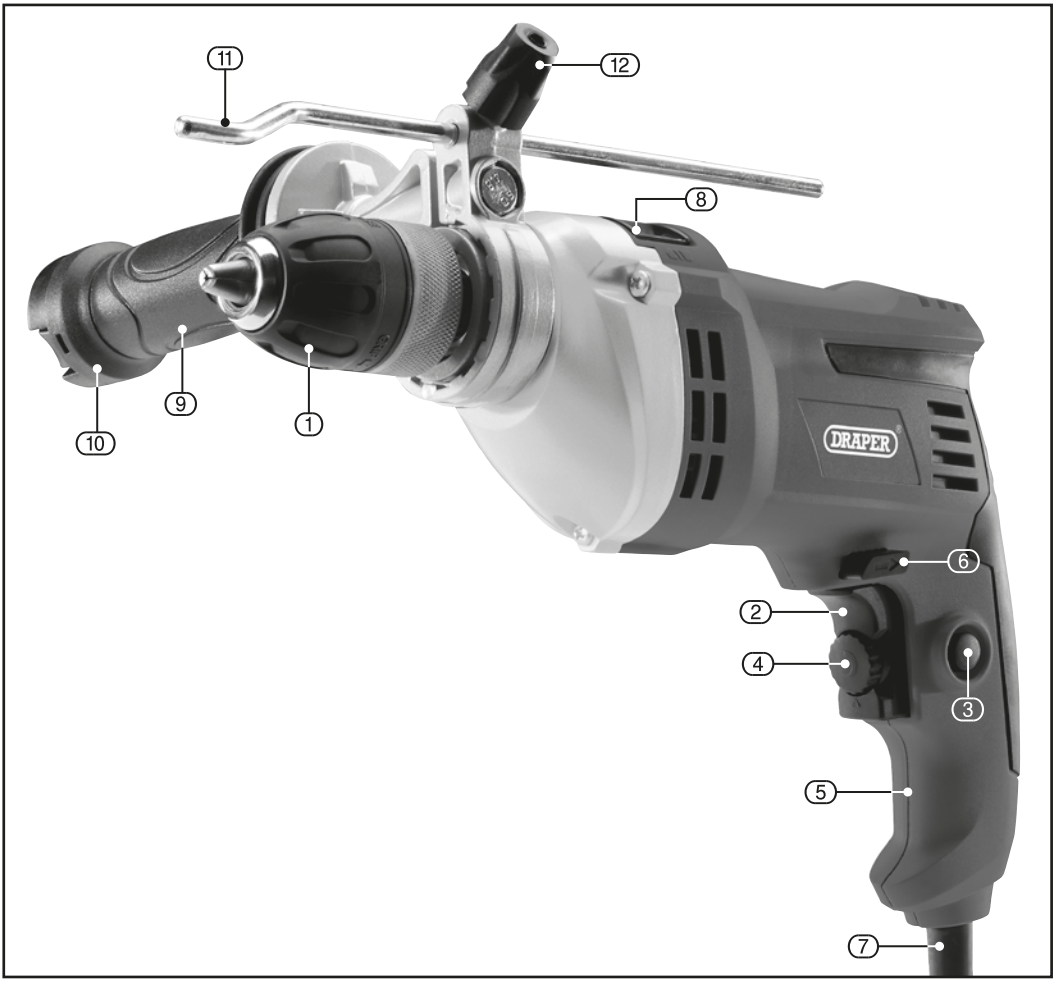
†Double insulated ⧈ : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

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. Keyless chuck.
2. On/Off trigger switch.
3. Trigger switch locking button.
4. Variable speed dial.
5. Hand grip.
6. Rotation selector.
7. Power cable.
8. Rotary/percussion (hammer) selector.
9. Auxiliary handle.
10. Interior drill bit storage.
11. Depth guide rod.
12. Depth guide rod adjustment knob.

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. Lay the contents out and check them against the parts shown below. 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.

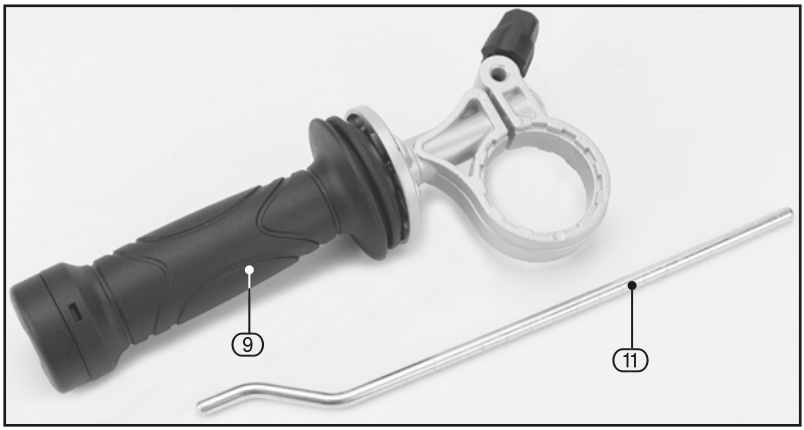
The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

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 impact drill, there are several parts not fitted or attached to it.



(9) Auxiliary handle.
(11) Depth guide rod.

8. PREPARING THE IMPACT DRILL

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

8.1 AUXILIARY HANDLE AND DEPTH ROD – FIGS.1 – 4

Warning! Always use the auxiliary handle supplied with the tool. Loss of control can cause personal injury.

The auxiliary handle is intended for both right and left-handed persons.

When fitting the auxiliary handle (9):

– Ensure the hand grip is loose (screw anti-clockwise to loosen), before sliding it over the drill's chuck (1) onto the collar (1.1).
– Select the required angle of the handle and tighten the handgrip to secure.

The interior of the auxiliary handle can be used for drill bit storage:

– To access storage, lift up the cap (10) located on the end of the handle (fig.3).

To fit the depth rod (11):

– Ensure the depth rod adjustment knob (11.1) is loosened (screw anti-clockwise) before sliding the depth rod into the hole located on the auxiliary handle assembly.
– Adjust the depth rod to the required position and re-tighten the adjustment knob.

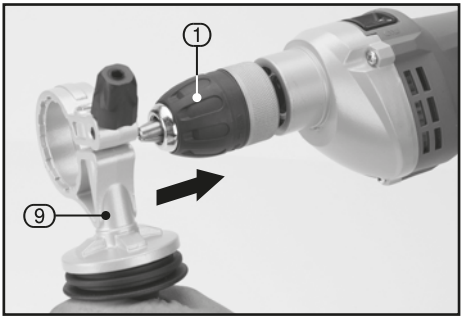


FIG.1

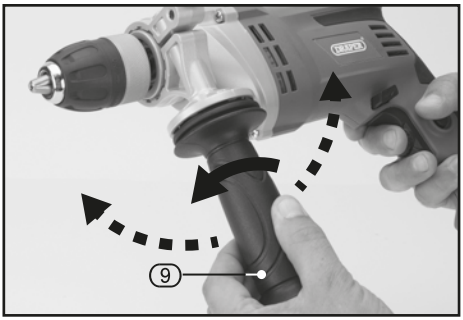


FIG.2

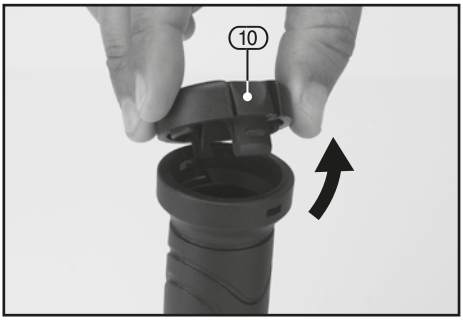


FIG.3

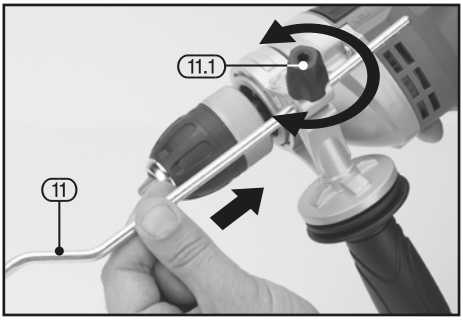


FIG.4

9. BASIC IMPACT DRILL OPERATIONS

9.1 INSTALLING AND REMOVING DRILL BITS – FIG.5

– Whilst gripping the base of the chuck (1), turn the chuck end anti-clockwise to open up the chuck jaws (1.1).
– Place the bit into the chuck as far as it will go*. Again, grip the base of the chuck and turn the chuck end clockwise so the jaws take up the grip on the drill bit. Keep turning until the bit is firmly and securely locked into the chuck.
– To remove the bit, repeat the first step as above to open up the chuck.

**Make sure to grip the bit by the plain shank at the bottom, gripping the flutes could lead to the bit coming loose.*

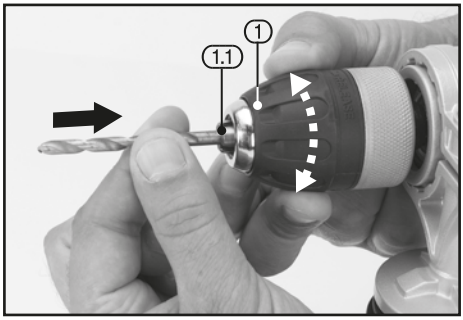


FIG.5

9.2 SWITCH OPERATION – FIGS.6 – 8

Trigger

– To activate the drill, press the trigger (2).
– To operate the drill for prolonged periods, press and hold the trigger (2).
  - Press the switch lock button (3) and hold.
  - Release the trigger (2) and lock button (3).
  - To stop the drill, press the trigger (2) once.

Note: The speed of the drill will vary depending on the amount the trigger is pulled.

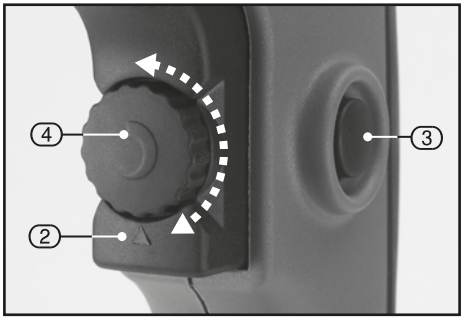


FIG.6

Variable speed dial

The amount the trigger can be pulled (and the maximum speed of the drill) can be limited.

– Rotate the speed dial (4) clockwise to restrict the drill speed.

Direction of rotation

This drill is equipped with a reverse function to help remove jammed drill bits, etc.

– Move the selector (6) to the right to engage reverse.

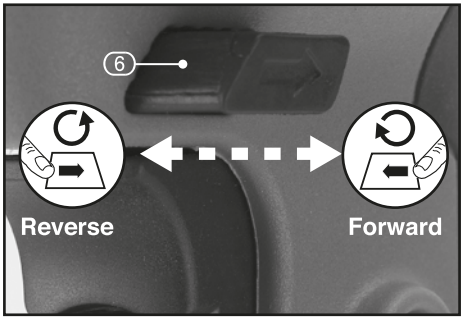


FIG.7

Rotary/percussion (hammer) selection

When drilling masonry, selecting the percussion mode will improve performance.

– Ensure the chuck has stopped.
– Slide the selection switch (8) from the rotary position to the percussion (hammer) setting.

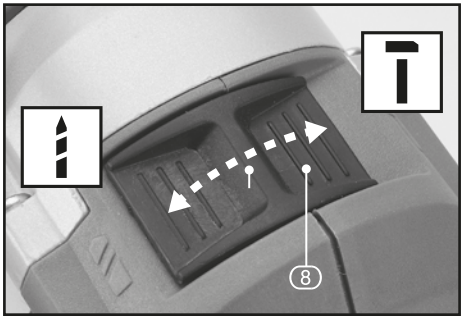


FIG.8

9.3 DRILLING WOOD AND PLASTIC – FIG.9

To prevent splitting around the drill holes on the reverse side, clamp a piece of scrap timber A under the material to be drilled.

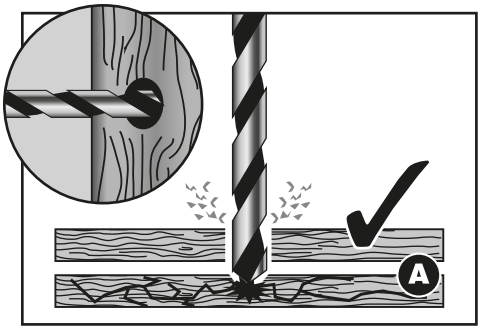


FIG.9

9.4 DRILLING METAL – FIG.10

Metals such as mild steel, aluminium and brass may be drilled.

- Mark the point to be drilled with a centre punch B to help the drill bit tip to locate.
- A drop of oil C on the drilled area will aid cutting and help prolong the life of the bit.

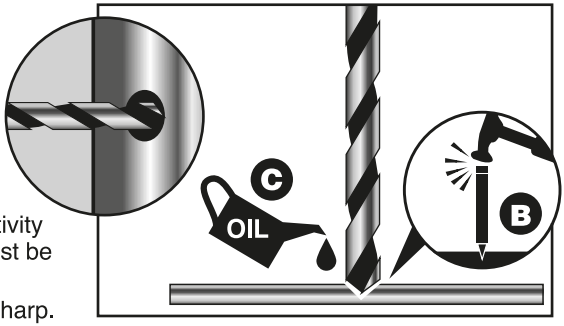


FIG.10

9.5 DRILLING MASONRY

Start drilling at a low speed to prevent the drill bit from wandering. Once penetration is achieved, fully depress the trigger to achieve maximum speed and hammer power.

9.6 DUST AND SWARF

A correctly fitted dust mask, suitable for the activity and in accordance to the relevant standard must be worn.

Swarf produced by metal drilling is extremely sharp. Take precautions when clearing swarf. The burr left on the hole is also sharp and should be removed with a suitable tool.

Always wear safety goggles.

Warning! Drill bit will be hot after use.

Warning! Before drilling check that there are no hidden hazards such as electrical cables, water or gas pipes running below the surface – use a metal/voltage detector.

Do not expose the drill to either rain or water.

10. MAINTENANCE AND TROUBLESHOOTING

10.1 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.

10.2 TROUBLESHOOTING GUIDE

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

Problem	Possible Cause	Remedy
Motor does not start.	1. Fuse.	1. Replace/reset 13 amp time delay fuse or circuit breaker.
	2. Brushes worn.	2. Have carbon brushes replaced in motor.
	3. Unsure.	3. Return to an authorised service agent for diagnosis.

11. OPTIONAL ACCESSORIES

11.1 OPTIONAL ACCESSORIES

A full range of accessories are available from Draper Tools.

Please visit our website for details: **www.drapertools.com**

12. DISPOSAL

12.1 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.*

13. EXPLANATION OF SYMBOLS

13.1 EXPLANATION OF SYMBOLS

Read the instruction manual.

Wear face mask and safety glasses.

Wear ear defenders.

Wear protective gloves.

Do not abandon into the environment.

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.

NOTES

NOTES

CONTACTS

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

Helpline: (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 Helpline for details of an agent in your local area.

YOUR DRAPER STOCKIST

TACH0918

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