

**IGNORE.
FAIL.
READ.
SUCCEED.**

INSTRUCTION MANUAL

500W HAMMER DRILL INSTRUCTION MANUAL PDI500GE



ORIGINAL INSTRUCTIONS

GENERAL POWER TOOL SAFETY WARNINGS



WARNING: Read all safety warnings and all instructions.

Failure to follow the warnings and instructions 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 electric (corded) power tool or battery-operated (cordless) power tool.

1) WORK AREA SAFETY

- a) **Keep work area clean and well lit.**
Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.**
Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **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.
- e) **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.

- f) **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.

3) PERSONAL SAFETY

- a) **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.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **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.
- d) **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.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of

ORIGINAL INSTRUCTIONS

dust collection can reduce dust-related hazards.

identical replacement parts. This will ensure that the safety of the power tool is maintained.

4) POWER TOOL USE AND CARE

- a) **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.
- b) **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.
- c) **Disconnect the plug from the power source and/or the battery pack 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.
- d) **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.
- e) **Maintain power tools. 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.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **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.

5) SERVICE

- a) **Have your power tool serviced by a qualified repair person using only**

HAND DRILL SAFETY INSTRUCTIONS

1. **Wear ear protectors when impact drilling.** Exposure to noise can cause hearing loss.
2. **Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
3. **Hold 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.

SYMBOLS



To reduce the risk of injury, user must read instruction manual



Double insulation



Wear eye protection



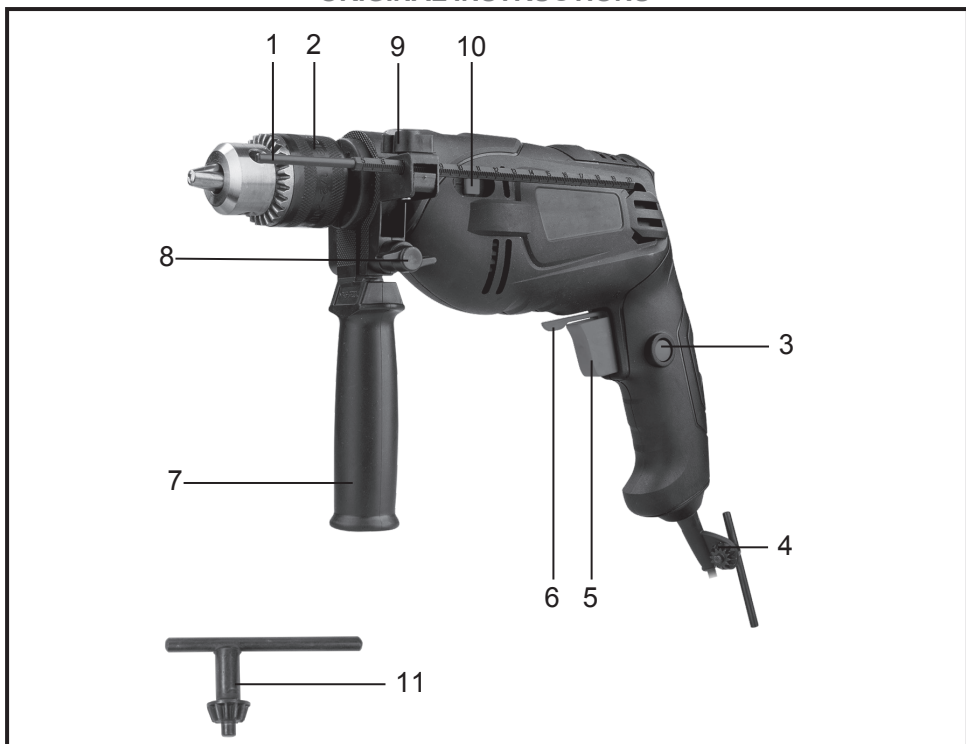
Wear ear protection



Wear dust mask



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.



COMPONENT LIST

- | | |
|------------------------------------|--|
| 1. Depth gauge | 7. Auxiliary handle |
| 2. Chuck | 8. Locking screw for handle collar |
| 3. Switch lock button | 9. Locking screw for depth gauge |
| 4. Chuck key storage | 10. Drill/impact action button (See Fig. F1, F2) |
| 5. On/Off switch | 11. Chuck key |
| 6. Forward/reverse selector switch | |

ACCESSORIES


| | |
|------------------|-----|
| Chuck key | 1pc |
| Auxiliary handle | 1pc |
| Depth gauge | 1pc |

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

TECHNICAL DATA

| | |
|-------------------|---------------|
| Voltage | 230-240V~50Hz |
| Power input | 500W |
| No load speed | 0-3000/min |
| Impact rate | 0-48000bpm |
| Chuck capacity | 13 mm |
| Drilling capacity | |
| Steel | 10 mm |
| Masonry | 13 mm |
| Wood | 25 mm |
| Protection class | □ / II |
| Machine weight | 1.4kg |

NOISE INFORMATION

| | |
|--|----------|
| A weighted sound pressure | 100dB(A) |
| A weighted sound power | 89dB(A) |
| K_{PA} & K_{WA} | 3.0dB(A) |
| Wear ear protection when sound pressure is over  | |

VIBRATION INFORMATION

| Vibration total values (triax vector sum) determined according to EN 60745: | |
|---|---|
| Impact drilling into concrete: | Vibration emission value $a_h = 8.39 \text{ m/s}^2$ |
| | Uncertainty $K = 1.5 \text{ m/s}^2$ |
| Drilling into metal: | Vibration emission value $a_h = 2.33 \text{ m/s}^2$ |
| | Uncertainty $K = 1.5 \text{ m/s}^2$ |

The declared vibration total value may be used for comparing one tool with another, and may also be used in a preliminary assessment of exposure.



WARNING: The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

The use the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and if any anti vibration accessories are used.

And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

ORIGINAL INSTRUCTIONS



WARNING: To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Helping to minimise your vibration exposure risk.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti vibration accessories.

Avoid using tools in temperatures of 10°C or less.

Plan your work schedule to spread any high vibration tool use across a number of days.

OPERATING INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

INTENDED USE

This tool is intended for impact drilling in brick, concrete and stone as well as for drilling in wood, metal and plastic.

1. INSTALLING THE AUXILIARY HANDLE (See Fig. A)

To fit the handle, loosen the locking screw for collar anti-clockwise. Slide over the handle collar. Rotate the handle around the handle collar until the handle is in the desired position. Tighten the locking screw clockwise to secure the handle. If you are right handed insert the handle as shown in Fig A. If you are left handed fit the handle the other way round.



Fig.A

2. INSTALLING THE DEPTH GAUGE (See Fig. B)

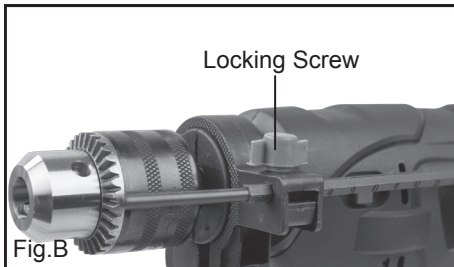


Fig.B

The depth gauge can be used to set a constant depth to drill. To use the depth gauge, loosen the handle by rotating the bottom section of handle anti-clockwise.

Insert the depth gauge through hole in handle. Slide the depth gauge to required depth and tighten fully.

3. INSERTING A DRILL INTO CHUCK (See Fig. C)

When mounting the drill bit, insert bit between the chuck jaws as far as it will go. Ensure drill bit is in the center of the chuck jaws. Using the chuck key provided, there are three holes in which the chuck key should be inserted. Tighten them equally in turn at each of the three holes, not just at one hole. Your drill bit is now locked in the chuck. The bit can be removed by reversing the above procedure.



WARNING: Before installing accessory, remove plug from power supply. Do not attempt to tighten drill bits (or any other accessory) by gripping the rear part of the chuck and turning the tool on. Damage to the chuck and personal injury may result.

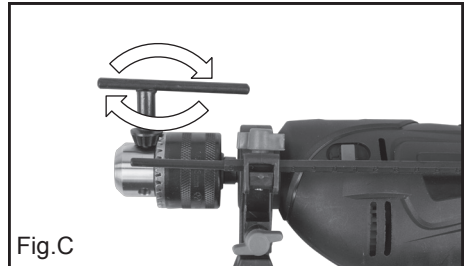


Fig.C

4. OPERATING THE ON/OFF SWITCH (See Fig. D)

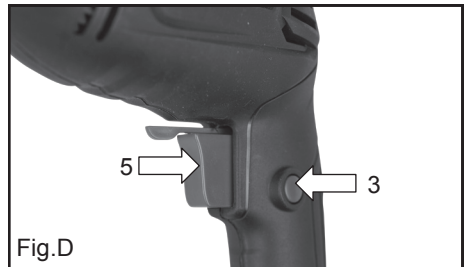


Fig.D

Switching On and Off
Depress the switch to start the tool and release it to stop your tool.

Continuous use

Depress on/off switch (5) then lock-on button(3)(See Fig. D), release on/off switch first and lock-on button second. Your switch is now locked on for continuous use. To switch off your tool just depress and release the on/off switch.

5. CHANGING ROTATIONAL DIRECTION

(See Fig. E)

To change the rotational direction, push the forward/reverse selector switch to the "R" position indicated on your drill. The rotation will now be forward rotation. Push the forward/reverse selector switch to "L" position indicated on your drill. The rotation will be reverse rotation.

NOTE: Never move the forward/reverse switch whilst the drill in operation or the on/off switch is locked as this will damage the drill.



Fig.E

6. DRILL/IMPACT ACTION BUTTON

(See Fig. F1, F2)

When drilling masonry and concrete push forward the button to hammer position "⚡" (the button is moved to the right). When drilling wood, metal, plastic push forward the button to drill position "🌀" (the button is moved to the left).

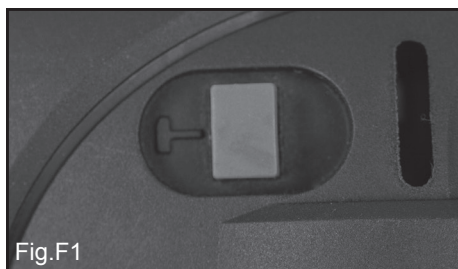


Fig.F1



Fig.F2

WORKING HINTS FOR YOUR DRILL

1. DRILLING MASONRY AND CONCRETE

Select the drill/impact action selector switch to the "hammer symbol" position. Tungsten carbide drill bits should always be used for drilling masonry, concrete etc with a high speed.

2. DRILLING STEEL

Select the drill/impact action selector switch to the "drill symbol" position. HSS drill bits should always be used for drilling steel with a lower speed.

3. PILOT HOLES

When drilling a large hole in tough material (i.e. steel), we recommend drilling a small pilot hole first before using a large drill bit.

4. DRILLING TILES

Select the drill/impact action selector switch to the "drill symbol" position to drill the tile. When tile has been penetrated, switch over to "hammer symbol" position.

5. COOL THE MOTOR

If your power tool becomes too hot, set the speed to maximum and run no load for 2-3 minutes to cool the motor.

MAINTENANCE

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

Your power tool requires no additional lubrication or maintenance.

There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

TROUBLE SHOOTING

1. If your drill will not operate, check the power at the mains plug.
2. If the drill is not drill properly, check the drill bit for sharpness, replace drill bit if worn. Check that the drill is set to forward rotation for normal use.
3. If a fault can not be rectified return the drill to an authorized dealer for repair.

PLUG REPLACEMENT

Your Power Tool is supplied with a fitted plug, however if you need to fit a new plug follow the instruction below.

IMPORTANT

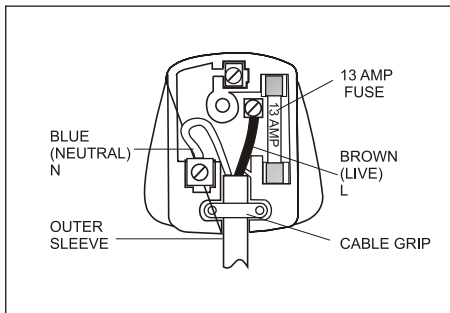
The wires in the mains lead are coloured in accordance with the following code:

Blue = Neutral Brown = Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with **N**.

The wire which is coloured brown must be connected to the terminal which is marked with the letter **L**.

If a 13 AMP (BS 1363/A) Plug is used, a 13 AMP Fuse must be fitted, or if any other type of plug is used a 13 AMP Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.

If the supply cord is damaged it must be replaced by a service agent or a similarly qualified person in order to avoid hazard.

ENVIRONMENTAL PROTECTION



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

*If faults can not be remedied, contact the **Helpline on 03448012949***

GUARANTEE

This product is selected for DOMESTIC USE ONLY and not for business use.

This product is guaranteed against manufacturing defects for a period of 12 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please return it to your nearest Argos store. If the item is shown to have an inherent defect present at the time of sale, the store will provide you with a replacement. Your statutory rights remain unaffected.

Guarantor: Argos Ltd, MK9 2NW

Issue1 10/2015

Produced for Argos Ltd.
489-499 Avebury Boulevard,
Milton Keynes, MK9 2NW

argos.co.uk



BY ARGOS