challenge xtreme

READY FOR THE CHALLENGE

250W MULTI TOOL

PT100941

ORIGINAL INSTRUCTIONS

INTRODUCTION

Thank you for purchasing a CHALLENGE XTREME 250W multi tool We would like you to be completely satisfied with your new product and hope you get many years of satisfaction out of this tool.

Your multi tool is intended for sawing and cutting wooden materials, plastic, gypsum, non-ferrous metals and fastening elements (e.g., unhardened nails, staples). It is also suitable for working soft wall tiles, as well as for dry sanding. It is especially suitable for working close to edges and for flush cutting. Your multi tool can fit any Challenge Xtreme multi tool accessories and Bosch multi tool accessories as well.

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 mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) 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.

2) 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 and 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.

3) 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 njury.

- ***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.
- ***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, clothing and gloves 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.

4) 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 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.
- ***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. 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.

5) 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.

SAFETY WARNINGS FOR MULTI-FUNCTION TOOLS

- ***Use the machine only for dry sanding/sawing/cutting.*** Penetration of water into the machine increases the risk of an electric shock.
- ***Pay attention that no persons are put at risk through sparking. Remove any combustible materials in the vicinity.*** Sparking occurs when sanding metal materials.
- ***Caution, fire hazard! Avoid overheating the object being sanded as well as the sander.***
- ***Always empty the dust box before taking breaks.*** In unfavorable conditions, e.g., when sparks emit from sanding metals, sanding debris in the dust box, micro filter or paper sack (or in the filter sack or filter of the vacuum cleaner) can self-ignite. Particularly when mixed with remainders of varnish, polyurethane or other chemical materials and when the sanding debris is hot after long periods of working.
- ***When working with the machine, always hold it firmly with both hands and provide for a secure stance.*** The power tool is guided more secure with both hands.
- ***Secure the work piece.*** A work piece clamped with clamping devices or in a vice is held more secure than by hand.
- ***Keep your workplace clean.*** Blends of materials are particularly dangerous. Dust from light alloys can burn or explode.
- ***Never use the machine with a damaged cable. Do not touch the damaged cable and pull the mains plug when the cable is damaged while working.*** Damaged cables increase the risk of an electric shock.
- ***Wear protective gloves when replacing a tool in the device.*** Tools heat up with prolonged use.
- ***Keep your hands away from the area of the saw blade.*** Do not grip the underside of the workpiece. Contact with the saw blade may result in injury.
- ***Use a suitable detector to locate concealed services supply cables / pipes or approach your local public utilities services providers.*** Contact with electricity cables can lead to fire or electric shock. Damaging a gas pipe can lead to an explosion. Penetration of a water pipe can lead to property damage or to electric shock.
- ***If you use the device outdoors, always connect it through a residual current device (RCD) with a maximum trip current of 30 mA.*** If using an extension lead, always use one that is approved for outdoor use.
- ***Noxious fumes!*** Any harmful /noxious dusts generated from sanding represent a risk to the health of the person operating the device and to anyone near the work area.
- ***Ensure that there is adequate ventilation when working on plastic, paint, varnish etc***
- ***Do not soak the materials or the surface you are about to work on with liquids containing solvents.***

SYMBOLS


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


Warning


Wear eye protection

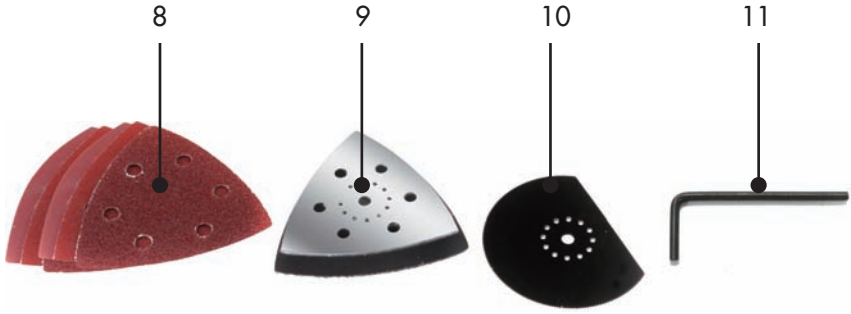

Wear ear protection


Wear dust mask


Double insulation


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.

Pic A



COMPONENTS LIST

1. On/Off switch
2. Oscillation speed setting wheel
3. Tool holder
4. Clamping screw with washer
5. Plunge cut blade
6. Soft grip handle
7. Auxiliary handle
8. Sanding sheet
9. Sanding pad
10. Segment cut blade
11. Hex key

CHECK THE DELIVERY PARTS

Carefully remove the machine from its packaging and check as the following parts are complete:

-- 250W multi tool
-- 1 x plunge cut blade
-- 1 x segment cut blade
-- 1 x sanding pad
-- 6 x sanding paper (2 x 60#, 80#, 120#)
-- 1 x hex key
-- Auxiliary handle
-- operating instructions

If any parts are missing or damaged, please contact your dealer.

TECHNICAL DATA

Voltage	230-240V~50Hz
Rated power	250W
No load speed	15000-21000/min
Oscillating angle	±1.4°
Protection class	⧈/II

NOISE INFORMATION

A weighted sound pressure	82.4dB(A)
A weighted sound power	93.4dB(A)
KPA & KWA	3.0dB(A)
Wear ear protection when sound pressure is over	80dB(A)

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 60745:	
Vibration Information	Vibration emission value a_h = 3.332 m/s²
	Uncertainty K = 1.5m/s²

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value 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.
To use the correct accessory for the tool and ensuring it is sharp and in good condition.
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.

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 minimize your vibration exposure risk.
ALWAYS use sharp chisels, drills and blades.
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.

ASSEMBLY

1. INSTALLING AND REMOVING ACCESSORIES

1. To install accessories, align holes in accessory with locating pins on accessory holder in desired position. Assure that pin in holder are engaged into holes in accessory and securely tighten with with hex bolt provided (Fig. A).
   Your accessories can be engaged into accessory holder 12 positions 30 degrees apart.
   For intermediate position an adapter is provided that will allow you to attach the accessory in any position. Use of adapter will also allow you to use most competitor accessories.

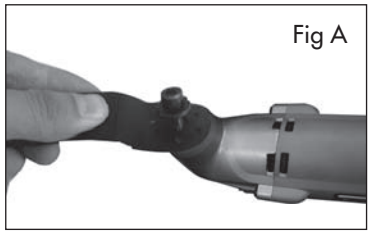


Fig A

2. To remove accessory, loosen and remove hex bolt and remove accessory from holder (Fig. B).


Fig B

2. INSTALLING SANDING SHEETS

Your tool uses hook-and-loop backed sandpaper, which firmly grips the backing pad when applied with moderate pressure. To change, merely peel off the old sandpaper, remove dust from the backing pad if necessary, and press the new sandpaper in place.(Fig C)
After considerable use the backing pad surface will become worn, and the backing pad must be replaced when it no longer offers a firm grip. If you are experiencing premature wear of the backing pad facing, decrease the amount of pressure you are applying during operation of the tool.

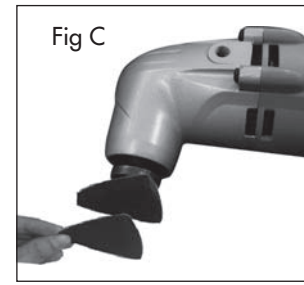


Fig C

3. SELECTING THE APPLICATION ACCESSORY

The following table shows examples for application tools. You can buy other accessories from Argos stores. Our multi tool can use both challenge xtreme and Bosch accessories.

Accessory		*Material*	*Application*
	50CrV segment cut blade	Wooden materials, plastic, non-ferrous metals	Separating and plunge cuts; also for sawing close to edges, in corners and hard to reach areas; Example: shortening already installed bottom rails or door hinges, plunge cuts for adjusting floor panels
	HCS plunge cut saw blade, wood	Wooden materials, soft plastics	Separating and deep plunge cuts; also for sawing close to edges, in corners and hard to reach areas; Example: narrow plunge cut in solid wood for installing a ventilation grid
	sanding pad	Wooden materials Metal materials	For face sanding and planing small Irregularities Supplied with 2 x 60#, 80# ,120# sanding paper

OPERATION

SLIDE "ON/OFF" SWITCH

The tool is switched "ON" by the slide switch located on the topside of the motor housing

Switching on:

TO TURN THE TOOL "ON" slide the switch button forward to the “I” .

Switching off:

TO TURN THE TOOL "OFF" slide the switch button backward the “0” .
WARNING! Hold the tool with both hands while starting the tool, since torque from the motor can cause the tool to twist.

Selecting the oscillation speed

NOTE: The required oscillation speed depends on the material and the working conditions and can be determined by means of a practical test.
Preselect the required oscillation speed using the oscillation speed setting wheel 2 .

Auxiliary Handle
When working with the machine, always mount the auxiliary handle.

Screw in the auxiliary handle (7) on the machine head depending on the chosen working method.
This tool has two holes to change the auxiliary handle position.

SAWING
Use undamaged faultless saw blades only.

Deformed, blunt saw blades or saw blades that are otherwise damaged can break.

When sawing light building materials, observe the statutory provisions and the recommendations of the material suppliers.

Plunge cuts may only be applied to soft materials, such as wood, gypsum plaster boards, etc.!

Before sawing with HCS saw blades in wood, particle board, building materials, etc., check these for foreign objects such as nails, screws, or similar. If required, remove foreign objects or use 50CrV or higher quality saw blades.

Work with low and uniform application pressure, otherwise, the application tool can become blocked or cause resonance.

SANDING

1. Sanding accessories are suitable for dry sanding of wood, metal, smaller surfaces corners and edges and hard to reach areas.
2. Profiles and grooves may be finished using the tip or edge of the selected accessory, which should occasionally be rotated during use to distribute the wear on the accessory and backing pad surface.
3. Always be certain that smaller workpieces are securely fastened to a bench or other support.
   Larger panels may be held in place by hand on a bench or sawhorses.
4 With the workpiece firmly secured, turn tool on as described above.

5. Move the tool in long steady strokes parallelto the grain using some lateral motion to overlap the strokes by as much as 75%. DO NOT apply excessive pressure - let the tool do the work. Excessive pressure will result in poor handling, vibration, and unwanted sanding marks

MAINTENANCE

CAUTION!

1) Before any work on the machine itself, pull the mains plug.
2) For safe and proper working, always keep the machine and ventilation slots clean.
3) Regularly check to see if any dust or foreign matter has entered the grills near the motor and around the on/off switch. Use a soft brush to remove any accumulated dust. Wear safety glasses to protect your eyes whilst cleaning.
4) If the body of the tool needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but nothing like alcohol, petrol or other cleaning agent.
5) Never use caustic agents to clean plastic part.
6) Lubricate all moving parts at regular intervals.

CAUTION Water must never come into contact with the tool.

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:

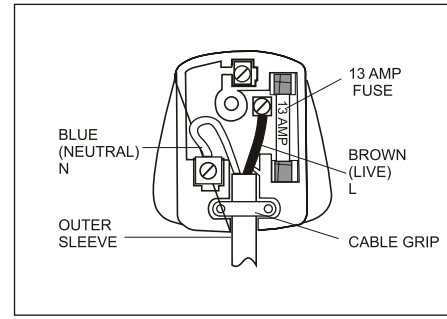
Blue = Neutral Brown = Live

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.

DISPOSAL

Do not dispose of electrical appliances with your domestic waste!
The packaging comprises exclusively environmentally- friendly material. Dispose of it in your local recycling containers.

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 contact the service centre for assistance on 08454 505299. If the item is shown to have an inherent defect present at the time of sale, you will be provided with a replacement. Your statutory rights remain unaffected.
Guarantor: Home Retail Group, MK9 2NW

CE (0123)

EC Declaration of Conformity

Year of 1st Issue .
12

Argos Ltd

489-499 Avebury Boulevard
Saxon Gate West
Milton Keynes
Buckinghamshire
MK9 2NW

We hereby certify that the product stipulated above complies with all the relevant provisions of the following EC new approach directive/s.

This declaration of conformity is issued under the sole responsibility of the manufacturer

Type of Product: 250W Multi Tool

Model Number: PT100941
Cat / Article Number: 7114700

Product Description:

Voltage: 230-240V~ 50Hz
Rated power: 250W
No load speed: 15000-21000/min
Oscillating angle: ±1.4°
Protection class ⧈/II

Photograph:

Applicable EC Directives			

☒	2006/42/EC (MD)	☒	2004/108/EC (EMC)	☐	1999/5/EC (R&TTE)
☒	2006/95/EC (LVD)	☐	2009/105/EC (Pressure)	☐	2000/14/EC Annex , 2005/88/EC
☐	2009/125/EC (ErP)	☐	2009/48/EC (Toys)		L_{WA} =93.4dB(A), L_{PA} =82.4dB(A), K=3dB(A)
☐	2009/142/EC (Gas)	☐	89/106/EEC (Construction)	☐	/ /EC (Others)

Applicable Harmonized Standards:	Report Date	Verification of conformity Certificate Notified Body
EN 60745-1:2009 EN 60745-2-4:2009 EN ISO 12100-2/A11:2009	2010.8.17	CE TUV
EN 55014-1/A2: 2011 EN 55014-2/A2: 2008 EN 61000-3-2/A2: 2009 EN 61000-3-3: 2008	2012.4.30	EMC TUV
EC Type approval certificate number		

Issued number: 1.0 Issued on : 2012-5-17

Signed : R.Panton-Kent

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Position: QA

Position: Head of Quality Assurance