

challenge
xtreme
READY FOR THE CHALLENGE

200W
MULTI SANDER



AJ56C
ORIGINAL INSTRUCTIONS

INTRODUCTION

Thank you for purchasing a CHALLENGE XTREME 200W Multi Sander. We would like you to be completely satisfied with your new product and hope you get many years of satisfaction out of this tool.

This sander only operates when dry sanding on, and, with suitable grained abrasive sheets, is suitable for the following work:

Surface sanding on wood, metal, plaster and filler surfaces.

Removal of layers of old paint, intermediate grinding, rust removal

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 injury.

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- **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.
- **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.

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.

5) Service

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.**

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

• If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

ADDITIONAL SAFETY RULES FOR YOUR MULTI-SANDER

- Never use your multi-sander for wet sanding with accessories, also for sawing, scraping, cutting, polishing, and separating.
- Always wear eye protection.
- Always wear ear protection during extended periods of operation.
- Always wear a dust mask if the operation is dusty.
- Always inspect and remove all nails and screws etc before sanding.
- Always check walls and ceilings to avoid hidden power cables and pipes. A metal detector can be obtained from any good DIY store for this purpose.
- If possible, use clamping devices or other suitable means to secure the workpiece to a firm surface.
- Use the original accessories and the tool provided, no others.
- Only use accessories in good condition. Do not use torn or worn accessories.
- Do not use a damaged plug and cable, if damaged have them repaired. Always be aware of the cord location.
- Do not abuse the cord. Never use the cord to carry the tools or pull the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts.

Replace damaged cords immediately.

- Unplug your tools before mounting or replacing accessories.
- **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.
- **Keep your workplace clean.** Blends of materials are particularly dangerous. Dust from light alloys can burn or explode.



WARNING!

Some dust particles created by power sanding, contain chemicals known to cause cancer, birth defects or other reproductive harm.

Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.



WARNING!

Whilst working with this power tool, hand/arm vibrations occur. Adopt the correct working practices in order to reduce the exposure to vibration.



CAUTION!

Do not let familiarity with your sander make you careless. Remember that a careless fraction of a second is sufficient to cause severe injury.

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.

ORIGINAL INSTRUCTIONS



COMPONENT LIST

- 1 On/off switch
- 2 Soft grip handle
- 3 Dust box cover clamp
- 4 Dust collection box
- 5 Hook and loop base plate
- 6 Sanding paper
- 7 Motor housing

ACCESSORIES

Dust collection box

Finger sanding pad

9 x mouse sanding paper (3 x 80#, 100#, 120#)


9 x finger sanding paper (3 x 80#, 100#, 120#)

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

Rated voltage	230-240V~50Hz
Rated power	200W
No load speed	15000/min
Sanding base size	140x140x80mm
Protection class	□ /II
Machine weight	1.6kg

NOISE INFORMATION

A weighted sound pressure	71dB(A)
A weighted sound power	82dB(A)
K _{PA} & K _{WA}	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 $a_h = 1.23 \text{ m/s}^2$
	Uncertainty $K = 1.5 \text{ m/s}^2$

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.

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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 sandered.

The tool being in good condition and well maintained.

To use the correct accessory for the tool and ensuring it is 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.

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.

OPERATION INSTRUCTIONS



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

1) SWITCHING ON AND OFF

(See Fig. A1,A2)

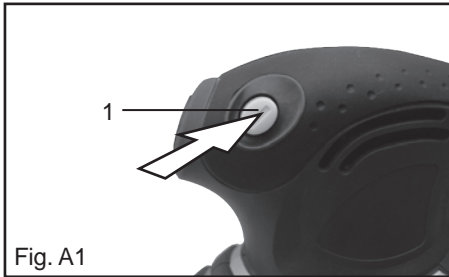


Fig. A1



Fig. A2

- To switch on, depress the "I" mark on the shank of the on/off switch (1) to the end.
To switch off, depress the "O" mark on the shank of the on/off switch (1) to the end.

2) USING THE DUST COLLECTION BOX (See Fig. B)

Your sander is equipped with a detachable dust collection box (4). Connect the dust collection box to the adapters holes supplied. Then gently pull the dust box and make sure it is fitted securely. Sanding dust is drawn up from the holes in the sanding base plate and into the dust box during the sanding operation.

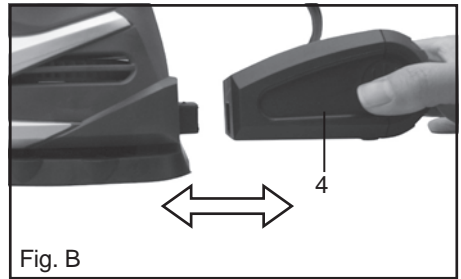


Fig. B

3) EMPTY DUST BOX (See Fig. C)

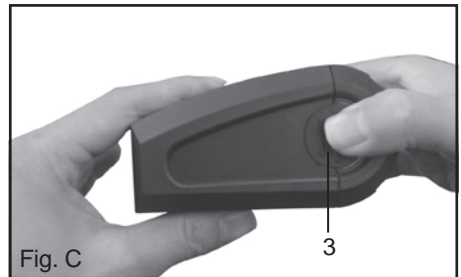


Fig. C

For more efficient operation, please empty the dust box every 15 minutes. This will permit the air to flow through the box more efficiently.

To empty the dust box, remove the dust box from sander, then depress both the dust box cover clamps (3) to remove the dust box cover from dust box and shake out dust.

4) ATTACHING THE SANDING PAPER (See Fig. D)

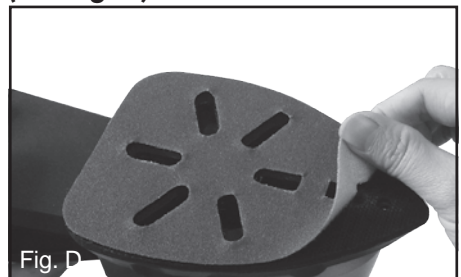


Fig. D

WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before conducting any adjustments or maintenance.

- Before fitting sanding paper, remove any dust or debris from the hook and loop system on the base.
- Match the holes in the sanding paper with the holes in the base.
- Simply press the sanding paper to the base to attach it.

! CAUTION!

Take care to regularly clean out the build up of dust on the base underneath the sanding paper and not to let the sanding paper wear completely down before replacing it. Failure to observe these two precautionary measures can lead to damage to the hook and loop on the base plate and the sanding paper will not attach properly.

! WARNING!

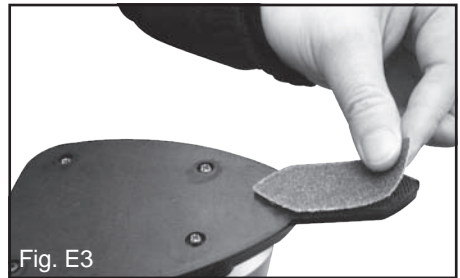
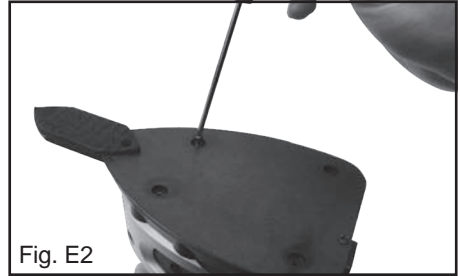
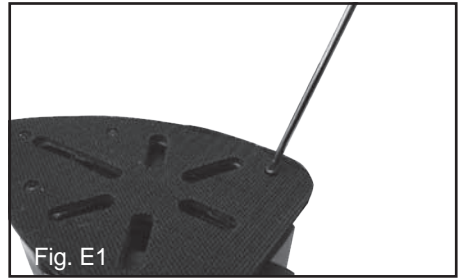
Never use the sander unless the entire base is fitted with sanding paper.

5) ATTACHING SANDING FINGER AND THE SANDING FINGER PAPER (See Fig. E1-E3)

! WARNING!

Always ensure that the tool is switched off and the plug is removed from the power point before conducting any adjustments or maintenance.

- To change the base, first remove the five fixing screws using a screwdriver.
- Align the sand plate holes with the base plate and press it firmly in place to ensure a good attachment ,then tighten the screws.
- Align the sand paper to the finger and press it firmly in place to ensure a good attachment.



6) SELECTING THE RIGHT GRADE OF SANDPAPER

! WARNING!

Always ensure that the tool is switched off and the plug is removed from the power point before conducting any adjustments or maintenance.

There are 9pcs of mouse sanding paper and 9 pcs of finger sanding paper (each 3 x 80#, 100#, 120#) supplied with the multi sander. 80# sanding paper is used for rough sanding. 100# sanding paper is used for normal sanding. 120# sanding paper is used for fine sanding. Other grades of sanding paper can be purchased from your local hardware store.

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- You can buy 40#, 60# sanding paper for very coarse sanding.
You can buy 180#, 240#, 320#, 400# sanding paper for very fine sanding.
- It is best to make a trial run on a scrap piece of material to determine the optimum grades of sandpaper for a particular job.
- If there are still marks on your work after sanding, try either going back to a coarser grade and sanding the marks out before recommencing with the original choice of grit, or try using a new piece of sandpaper to eliminate the unwanted marks before going on to a finer grit and finishing the job.

7) USING THE SANDER (See Fig. F, G)



Fig. F



Fig. G

This sander can be used for most sanding operations on materials such as wood, plastic, metal and painted surfaces. Wear safety goggles, dust mask and ear defenders.

Switch the sander on whilst it is resting on the workpiece. Take care to hold the whole area of the base plate on the work. Move the sander over the surface of the work in a circular motion with an even, moderate pressure.

Do not press down too heavily. This will slow down the motor and could lead to overheating.

CAUTION: Where possible, clamp smaller workpieces to the bench.

NOTE: If there are still scratches on your work after sanding, try either of the following: Go back to a coarser grit and sand the marks out before recommencing with the original choice, or try using new sandpaper of the same grit to eliminate the unwanted marks before progressing to a finer grit and finishing the job.



WARNING!

Do not use the sander in wet or damp conditions.

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.

GENERAL INSPECTION

Regularly check that all the fixing screws are tight. They may vibrate loose over time.

REPAIRS

Only an authorized service centre should replace the cordset or carry out other repairs. If the cordset is damaged or worn, have it replaced by an authorized service centre.

POWER CORD MAINTENANCE

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or an authorized service centre in order to avoid a safety hazard.

TROUBLESHOOTING

- If your sander will not operate, check the power at the mains plug.
- If the sander does not abrade surface, checking the sanding paper. If the sanding paper has been worn, replace the new paper and try again. The paper must be kept in a dry place, if it is allowed to become damp, the abrasive particles will lose their adhesion to the backing paper and will not abrade.
- If the sander does not move smoothly, the sanding paper may be loose, damaged or wrinkled. Replace and try again.
- If a fault can not be rectified return the sander 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:

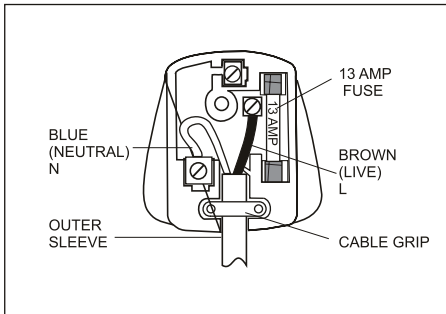
Blue - Neutral Brown - Live

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 13AMP (BS1363/A) plug is used, a 13A fuse must be fitted, or if any other type of plug is used a 13AMP fuse must be fitted, either in the plug or adapter, 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.

General inspection.

Regularly check that all the fixing. They may vibrate loose over time.

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: Argos Limited, MK9 2NW

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: **200W Multi Sander**

Model Number: **AJ56C**
Cat / Article Number: 7112393

Product Description:

Photograph:

Voltage: 230-240V~50Hz
Power: 200W
No-load speed: 15000/min
Sanding base size: 140x140x80mm
Protection class: II



Applicable EC Directives		
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<input checked="" type="checkbox"/> 2006/42/EC (MD)	<input checked="" type="checkbox"/> 2004/108/EC (EMC)	<input type="checkbox"/> 1999/5/EC (R&TTE)
<input checked="" type="checkbox"/> 2006/95/EC (LVD)	<input type="checkbox"/> 2009/105/EC (Pressure)	<input type="checkbox"/> 2000/14/EC Annex , 2005/88/EC
<input type="checkbox"/> 2009/125/EC (ErP)	<input type="checkbox"/> 2009/48/EC (Toys)	<input type="checkbox"/> L _{WA} = 82dB(A), L _{PA} = 71 dB(A), K=3dB(A)
<input type="checkbox"/> 2009/142/EC (Gas)	<input type="checkbox"/> 89/106/EEC (Construction)	<input type="checkbox"/> / /EC (Others)

Applicable Harmonized Standards:	Report Date	Verification of conformity Certificate	Notified Body
EN 60745-1:2009 EN 60745-2-4: 2009	2010.9.7	GS	ITS
EN 55014-1:2006 EN 55014-2:1997/+A1:2001/+A2:2008 EN 61000-3-2:2006 EN 61000-3-3:2008	2010.9.9	EMC	ITS
EC Type approval certificate number			

Issued number: 1.0

Issued on : 2012-8-10

Signed : *R. Panton-Kent*

Creator: Max Shi

Name : Roger Panton-Kent

Position: QA

Position: Head of Quality Assurance