OLYMPIATOOLS®
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USER MANUAL

450W JIGSAW

JS450



UK CA CE

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SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNING SYMBOLS

The following warning symbols appear throughout this user guide and indicate the appropriate safety measures you should take when assembling and operating the jigsaw.

⚠ WARNING!

This symbol marks a point of safety, indicating a warning. Ignoring this safety symbol could result in an accident to yourself or others. To limit the risks of injury, fire or electrocution, always follow the recommendations indicated.

Safety warning symbols - Jigsaw



Protection Class II
(double insulated)

Compliance and recycling symbols



Complies with all relevant UK regulations



Complies with relevant European regulations



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

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - GENERAL POWER TOOLS

⚠ WARNING!

Read all safety warnings and instructions. Failure to follow 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.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

1. **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.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **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.
5. **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.
6. **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

1. **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.
2. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, on-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.



3. **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.

4. **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.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **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.
7. **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.

Power tool use and care

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **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.

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 INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - JIGSAW

1. **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.
2. **Always wear a dust mask.**

IN THE BOX

Key features



1. On/off switch
2. Switch lock-on button
3. Hand grip area
4. Hex key
5. Vacuum cleaner adaptor
6. Base plate
7. Angle plate
8. Roller guide
9. Finger protection
10. Blade holder

Accessories

1. 1x Hex key
2. 1x Vacuum cleaner adaptor

OPERATION INSTRUCTIONS

IMPORTANT: To reduce risk of injury, please read this user guide before use.

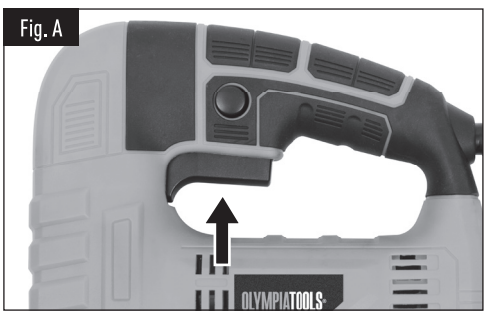
Intended use

The machine is intended for sawing wood, plastic, metal and building materials while resting firmly on the workpiece. It is suitable for straight and curved cuts with bevel angles to 45°. The saw blade recommendations are to be observed.

On/off switch (See fig. A)

Depress to start and release to stop the tool.

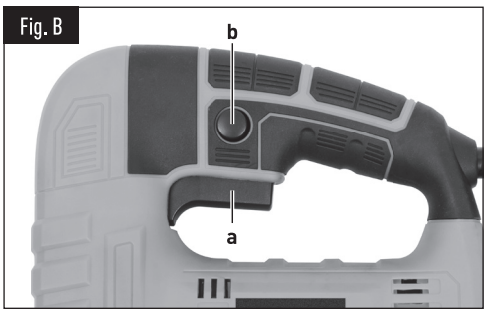
Fig. A



Switch lock-on button (See fig. B)

Press the On/off switch (a). For continuous operation, press the switch lock-on button (b) at the same time. Press the On/off switch again to release the switch lock-on button and the product switches off.

Fig. B



Hex key storage (See fig. C)

The hex key is placed at the power cable sleeve.

Fig. C



Blade fitting (See fig. D and E)

⚠ WARNING!

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

To fit the blade firstly use the hex key provided to loosen the blade set screws on the blade holder. The blade's cutting edge should be facing forward. Insert the blade's mounting portion into the groove in the blade holder until it touches the bottom of the holder. Then firmly tighten the blade set screws (See fig. D).

⚠ WARNING!

Fit the blade firmly, do not insert the blade past the line (See fig. E).

Fig. D

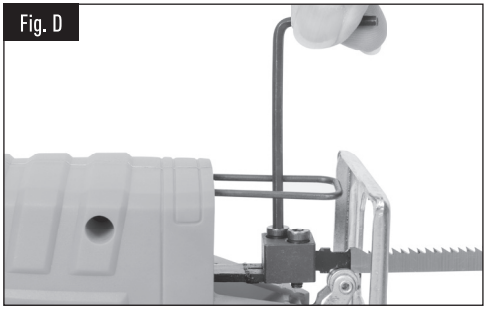
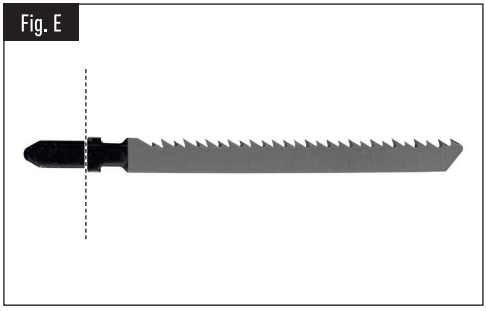


Fig. E



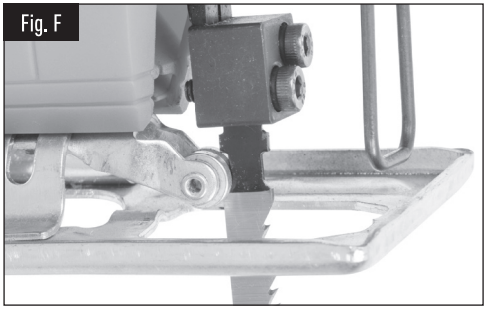
⚠ WARNING!

Blade teeth are very sharp. For best cutting results ensure you use a blade suited to the material and cut quality you need.

Roller guide (See fig. F)

Ensure the blade is located and runs smoothly in the groove (See fig. F) otherwise the pendulum function will not work correctly and the blade will not be supported during cutting.

Fig. F



Base plate angle adjustment (See fig. G)

Using the hex key (4), loosen the bolts securing the base plate (See fig. G). For preset angles rotate so the lines of the angle on the base plate (6) and angle plate (7) align at the desired angle (0°, 15°, 30°, 45°) (See fig. H). For other mitre angles, rotate to the desired angle (use a protractor scale). Following one of the above procedures, hold the base plate in position and firmly tighten the bolts to clamp the base plate at that angle. Finally, check the angle and ensure the base plate is firmly clamped. The angle markings on the base plate are accurate for most general purposes but it is recommended for accurate work to set the angle with a protractor and make a test cut.

Fig. G

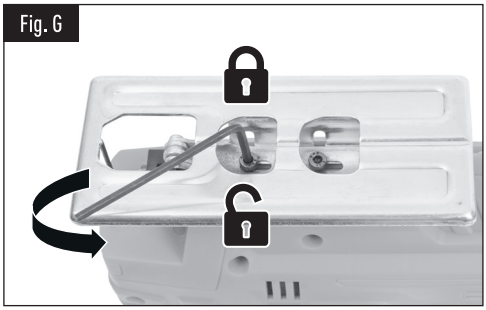
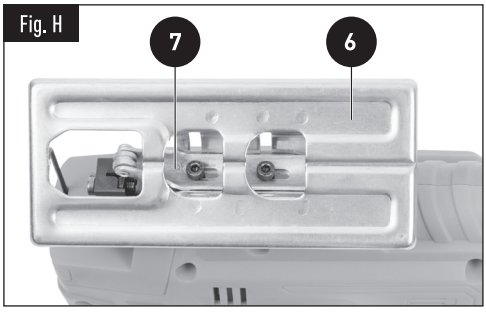


Fig. H



Vacuum cleaner adapter (See fig. I)

Mount the vacuum cleaner adapter (5) into the opening of the base plate (6). Make sure that the plastic tip of the vacuum cleaner adapter engages in the corresponding opening on the housing (See fig. **I**).

Fig. I



Finger protection

The finger protection is located in front of the blade holder. Whilst working, it will help prevent accidental contact with the moving blade.

USEFUL TIPS

General

1. If the jigsaw becomes too hot, especially when used at low speed, set the speed to maximum and run without load for 2-3 minutes to cool the motor. Avoid prolonged use at very low speeds.
2. Always use a blade suited to the material type and thickness to be cut. Always ensure the workpiece is firmly held or clamped to prevent movement. For easier control, use low speeds to start cutting, then increase to the correct speed. Any movement of the material may affect the quality of the cut. The blade cuts on the upward stroke and may chip the uppermost surface or face of the workpiece. If possible, ensure that the uppermost surface of the workpiece is a non-visible surface when your work is finished as this will ensure the cleanest possible cut on the front face of the workpiece.

Cutting laminates

1. Use a fine tooth blade for cutting most laminates and thin wood. To reduce edge chipping, clamp a thin piece of wood over the upper most surface and cut through both wood and workpiece at the same time.

Circle cutting

1. Do not use the pendulum action when cutting tight circles or angles.

Plunge cutting

1. Plunge cutting may be used only on soft materials such as wood, aerated concrete, gypsum plaster boards, etc. Use only short saw blades. Place the front edge of the base plate on the workpiece (See fig. J) and switch on. Press the machine firmly against the workpiece and plunge the saw blade slowly into the workpiece. As soon as the complete surface of the base plate rests on the work piece, continue to saw along the cutting line (See fig. K).

Fig. J

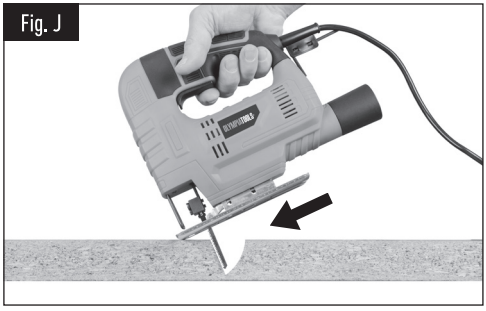
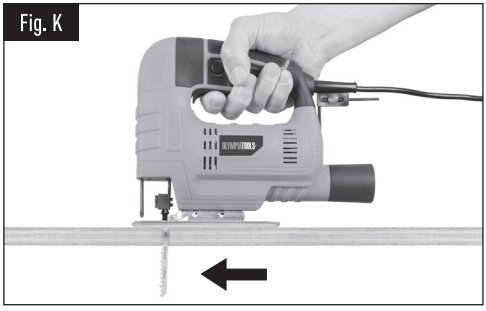


Fig. K



Metal cutting

1. Use a fine tooth blade for ferrous metals and a coarse tooth blade for non-ferrous metals. When cutting thin sheet metals always clamp wood on both sides of the sheet to reduce vibration or tearing of sheet metal. Cut through both wood and workpiece at the same time. Do not force the blade when cutting thin metal or sheet steel as they are harder materials and will take longer to cut. Excessive blade force may reduce the life of the blade or damage the motor. To reduce heat during metal cutting, add a little lubricant along the cutting line.

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.

If you see some sparks flashing in 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.

TECHNICAL SPECIFICATIONS

Jigsaw

Model	M1Q-DD20-55D (JS450)
Code	09-340
Mains supply	230V~50Hz
Power input	450W
Stroke rate (no-load)	3000/min
Stroke height	18mm
Max. cutting depth (steel)	6mm
Max. cutting depth (wood)	55mm
Max. bevel cut	45°
Protection class II	⧈
Weight	2.00kg

Noise/vibration information

Noise

A weighted sound pressure	L_{pA}: 86dB(A)
A weighted sound power	L_{wA}: 97dB(A)
	K_{pA} and K_{wA} =3.0dB(A)

⚠ WARNING!

Wear ear protection when sound pressure is over: 80dB(A)

Vibration

Vibration total values (triax vector sum) determined according to EN 62841:

Cutting boards	Vibration emission value $a_{h,B}$ = 10.09m/s^2
	Uncertainty K = 1.5m/s^2
Cutting steel	Vibration emission value $a_{h,M}$ = 11.78m/s^2
	Uncertainty K = 1.5m/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 for example:

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

The tool being in good condition and well maintained.

Use of the correct accessory for the tool and ensuring it is sharp and in good condition.

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

The tool is being used as intended by its design and as detailed in this user guide.

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.

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^{0}C or less.

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

DISPOSAL

Packaging materials

Dispose of in an environmentally friendly way by adding to your recyclable waste bin, or by taking it to a public collection centre.



Electrical products

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.



STORAGE

Store the machine, operating instructions and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Pack the device well or use the original packaging in order to avoid transit damage.

Always keep the machine in dry place.

PLUG REPLACEMENT (UK AND IRELAND ONLY)

If you need to replace the fitted plug then follow the instructions below.

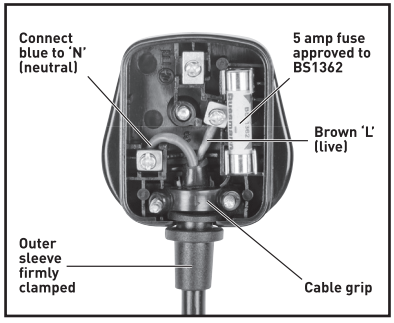
⚠ WARNING!

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 'L'.

⚠ WARNING!

Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved BS1363/A plug and the correct rated fuse. 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.



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 24 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 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.

UK DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: **450W Jigsaw**

Model: **M1Q-DD20-55D (JS450)**

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

3. Object of the declaration

Product: **450W Jigsaw**

Model: **M1Q-DD20-55D (JS450)**

Rated voltage: **230V~50Hz**

4. This 450W jigsaw model number M1Q-DD20-55D (JS450) fully complies with the Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016, the Restriction of Use of Certain Hazardous Substances in Electrical & Electronic Equipment Regulations 2012, and the following standards:

EN 62841-1:2015+AC:15

EN 62841-2-11:2016

EN 55014-1:2017+A11:2020

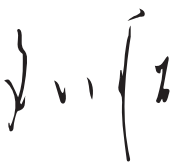
EN 55014-2:2015

EN IEC 61000-3-2:2019

EN 61000-3-3:2013+A1:2019

5. This declaration is made under the sole responsibility of:
SUMEC HARDWARE AND TOOLS CO., LTD.
No. 1 Xinghuo Road, Jiangbei New Arga, Nanjing, Jiansu, 210061 China

Chief Engineer
Wenjun
Date: Apr, 14, 2021



EU DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: **450W Jigsaw**

Model: **M1Q-DD20-55D (JS450)**

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

---

3. Object of the declaration

Product: **450W Jigsaw**

Model: **M1Q-DD20-55D (JS450)**

Rated voltage: **230V~50Hz**

---

4. This 450W jigsaw model number M1Q-DD20-55D (JS450) fully complies with the Machinery Directive 2006/42/EC, Electromagnetic Compatibility Directive 2014/30/EC, RoHS Directive 2011/65/EU and the following harmonized EU standards:

EN 62841-1:2015+AC:15

EN 62841-2-11:2016

EK9-BE-88:2014

EN 55014-1:2017+A11:2020

EN 55014-2:2015

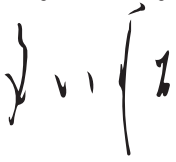
EN IEC 61000-3-2:2019

EN 61000-3-3:2013+A1:2019

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5. This declaration is made under the sole responsibility of:
SUMEC HARDWARE AND TOOLS CO., LTD.
No. 1 Xinghuo Road, Jiangbei New Arga, Nanjing, Jiansu, 210061 China

Chief Engineer
Wenjun
Date: May,14,2021



OLYMPIATOOLS®
GOOD QUALITY. GREAT VALUE.

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EU: Tucks O'Brien Ltd, 24 Magna Drive,
Magna Business Park, Citywest Road,
Dublin D24 FNY0, Ireland

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