ORIGINAL INSTRUCTIONS

# Jigsaw

**RJS850**

**Important!**

It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

Subject to technical modification.

Safety, performance, and dependability have been given top priority in the design of your jigsaw.

## INTENDED USE

The jigsaw is intended to be used only by adults who have read and understood the instructions and warnings in this manual, and can be considered responsible for their actions.

With appropriate blades fitted, the product is designed to cut wood, plastic, drywall, and metal up to the depth described in the specification table.

The product is designed for handheld use. The product is not to be mounted onto a workbench unless specific instructions about how to do this are given by the manufacturer of the product.

Do not use the product for any other purpose. Use of the product for operations different from intended could result in a hazardous situation.

## GENERAL POWER TOOL SAFETY WARNINGS

**⚠ WARNING**

**Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** Failure to follow all instructions listed below 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

- **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.

### 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 or 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.

### 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.
- **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 and clothing 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 let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

### 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 remove the battery pack, if detachable, 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 and accessories. 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.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

**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.

## JIGSAW SAFETY WARNINGS

- **Hold the 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.
- **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the workpiece by hand or against your body leaves it unstable and may lead to loss of control.
- Use the dust collection device or connect a dust extraction vacuum when operating the product.
- Keep mains lead clear from working range of the machine. Always lead the cable away behind you.
- Wear a dust mask.

**Additional safety instructions**

- Avoid running the product at low speeds for extended periods of time. Running at low speeds under constant usage may cause the product to become overheated. If this occurs, cool the product by running it without a load at full speed.
- Use the correct dust collection system as per the instructions in this manual.
- We recommend the use of a residual current device with a residual current rating of 30 mA or less.

**⚠ WARNING**

Dust from certain paints, coatings, and materials may cause irritation, or allergic reactions to the respiratory system. Dust from wood such as oak, beech, MDF, and others are carcinogenic. Materials containing asbestos should only be worked on or processed by qualified specialist operators.

## RESIDUAL RISKS

Even when the product is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise and the operator should pay special attention to avoid the following:

- Injury caused by vibration
  - Use the lowest speed setting which achieves the cutting, limit exposure. See Risk Reduction.
- Injury caused by dust
  - Dust may enter the eyes or respiratory system. Wear eye protection at all times. Wear appropriate dust control mask with filters suitable for protecting against particles from the material being cut. Do not eat, drink, or smoke in the work area. Ensure adequate ventilation.
- Injury caused by electric shock
  - The blade may contact hidden wiring, causing parts of the product to become live. Always hold the product by the designated handles and take care when blind-cutting into walls and floors where cables may be hidden.
- Injury caused by contact with the blade
  - The blades are very sharp and will become hot during use. Wear gloves when changing blades. Keep hands away from the cutting area at all times. Clamp the workpiece whenever possible.
- Injury caused by noise
  - Noise can damage hearing. When using power tools for an extended period of time, wear hearing protection.

## RISK REDUCTION

It has been reported that vibrations from handheld tools may contribute to a condition called Raynaud's Syndrome in certain individuals. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms. There are measures that can be taken by the operator to possibly reduce the effects of vibration:

- Keep your body warm in cold weather. When operating the unit wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.
- After each period of operation, exercise to increase blood circulation.

- Take frequent work breaks. Limit the amount of exposure per day.

If you experience any of the symptoms of this conditio.n, immediately discontinue use and see your doctor about these symptoms.

**⚠ WARNING**

Injuries may be caused or aggravated by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

## MAINTENANCE

**⚠ WARNING**

The product should never be connected to a power supply when assembling parts, making adjustments, cleaning, performing maintenance, or when the product is not in use. Disconnecting the product from the power supply will prevent accidental starting that could cause serious injury.

**⚠ WARNING**

When servicing, use only original manufacturer's replacement parts, accessories and attachments. Use of any other parts may create a hazard or cause product damage.

**⚠ WARNING**

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.
- Always wear safety goggles or safety glasses with side shields when operating or cleaning the product. If operation is dusty, also wear a dust mask.
- Clean the product using a brush or a dust collection system.

**⚠ WARNING**

Do not use compressed air to blow dust/dirt from any power tool. Dirt and grit blown away by compressed air can cause serious eye injury.

- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
- For greater safety and reliability, all repairs should be performed by an authorised service centre.
- All of the bearings in the product are lubricated with a sufficient amount of high grade lubricant for the life span of the product under normal operating conditions. Therefore, no further lubrication is required.

## ENVIRONMENTAL PROTECTION

Recycle raw materials instead of disposing of as waste. The machine, accessories and packaging should be sorted for environment-friendly recycling.

## SYMBOLS ON THE PRODUCT

Safety alert

Please read the instructions carefully before starting the machine.

| | |
|---|---|
| **V** | Volts |
| **Hz** | Hertz |
| ∿ | Alternating current |
| **W** | Watts |
| $\mathbf{n_o}$ | No-load speed |
| $\mathbf{min^{-1}}$ | Revolutions or reciprocations per minute |

Class II tool, double insulation

Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.

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.

## SYMBOLS IN THIS MANUAL

Connect to the power supply.

Disconnect from the power supply.

Parts or accessories sold separately

Steel sheet

Metal tube

 Thin wood

 Thick wood

 Speed, minimum

 Speed, maximum

 Note

 Lock

 Unlock

 Stop the product.

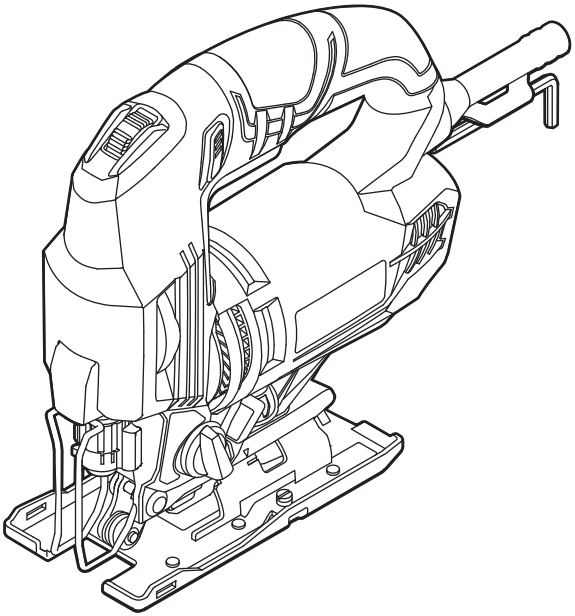
The following signal words and meanings are intended to explain the levels of risk associated with this product:

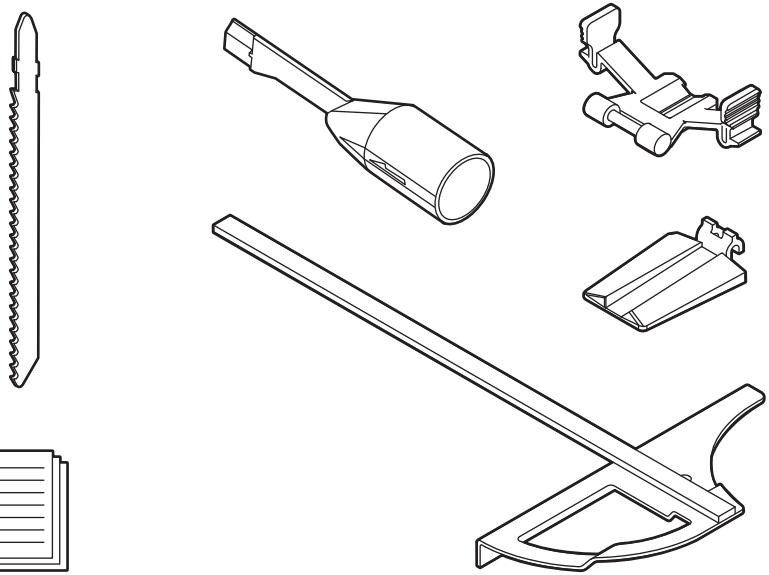
**⚠ DANGER**
Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.

**⚠ WARNING**
Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

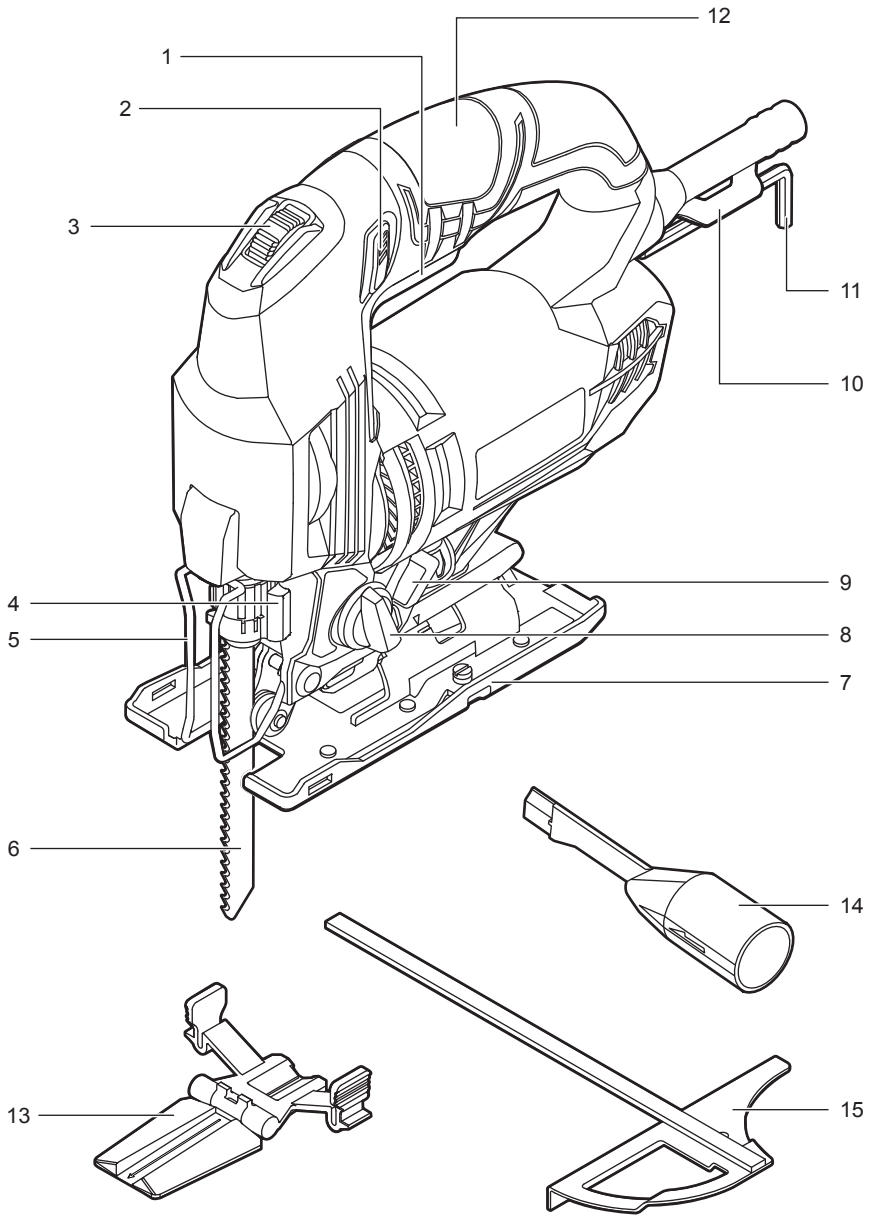
**⚠ CAUTION**
Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.

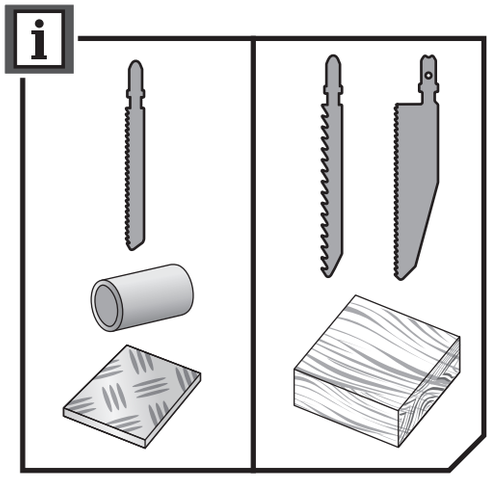
**CAUTION**
(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

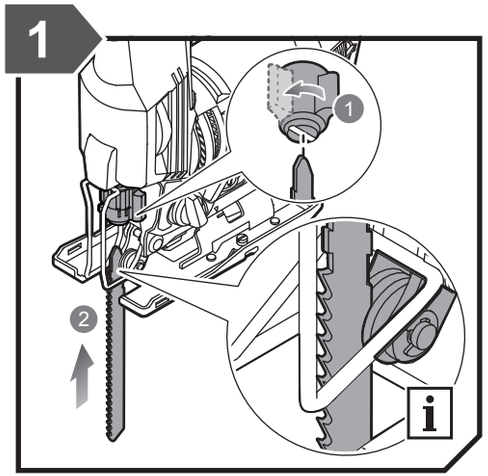




1. Trigger switch
2. Lock-on button
3. Speed control dial
4. Blade clamp releaser
5. Blade guard
6. Blade
7. Base assembly
8. Orbital adjustment knob
9. Blower switch
10. Power cord sleeve
11. Allen key
12. Handle, insulated gripping surface
13. Line assist assembly
14. Dust port
15. Rip guide



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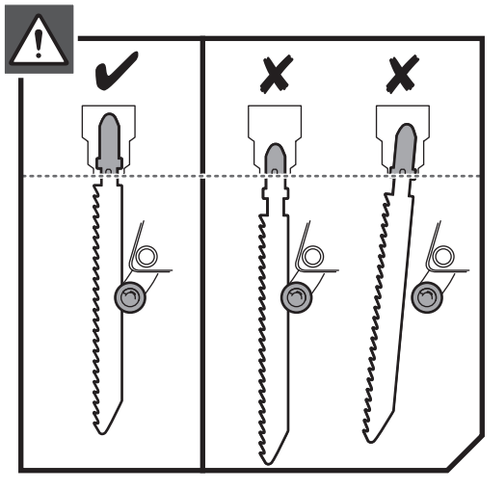

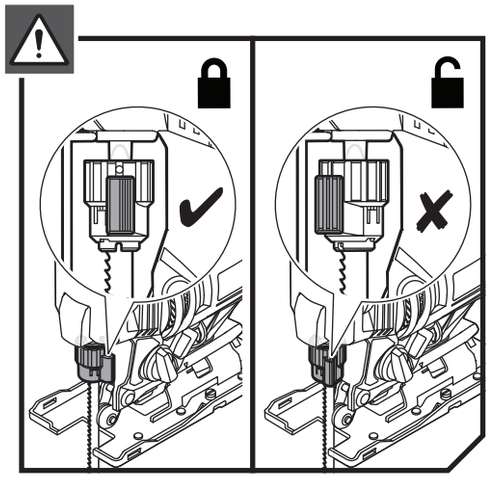

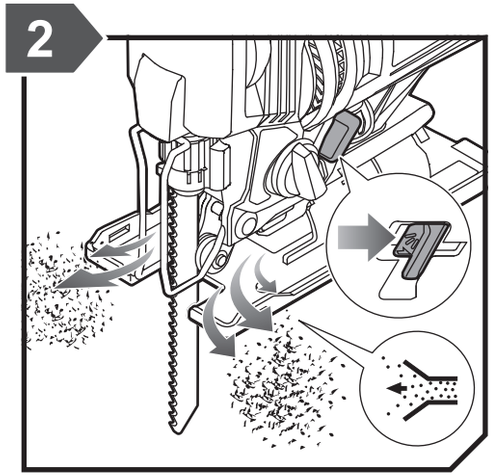
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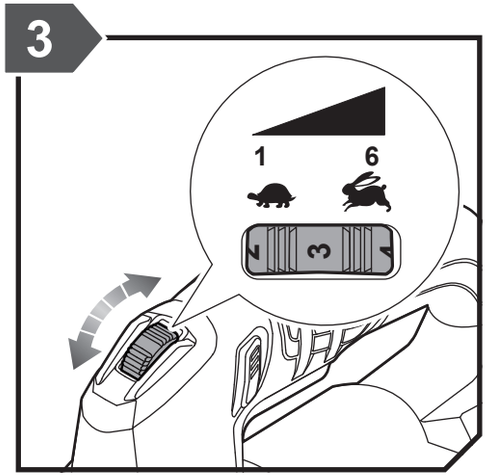
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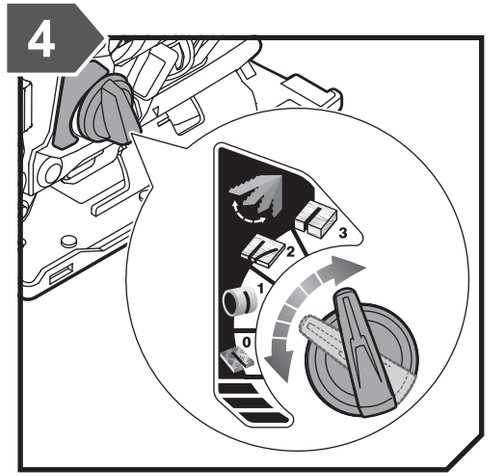
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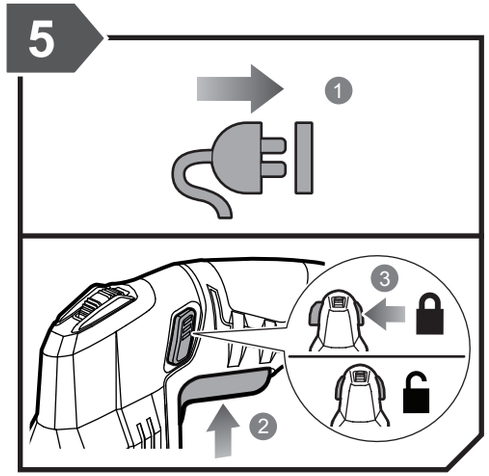
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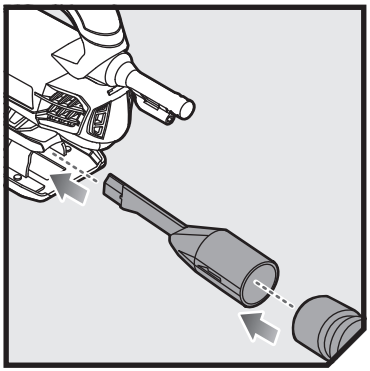

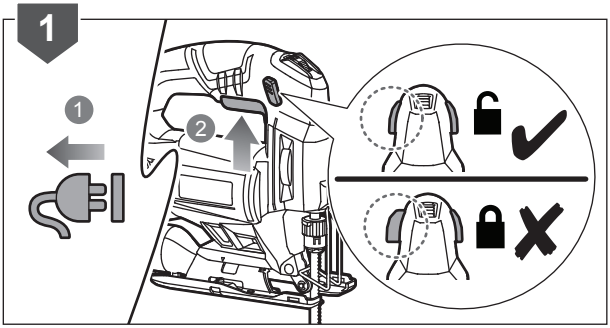
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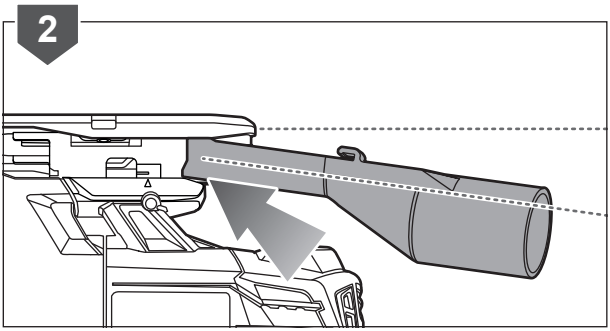
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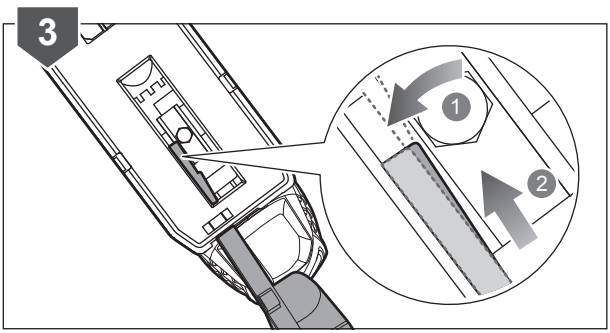
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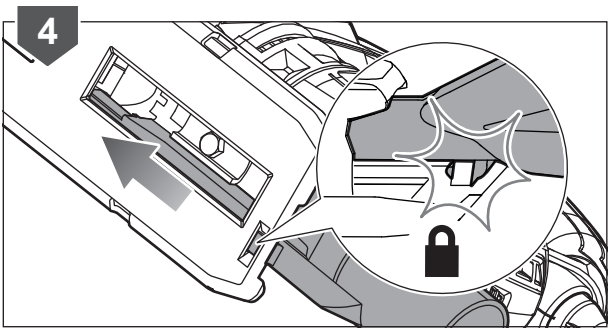
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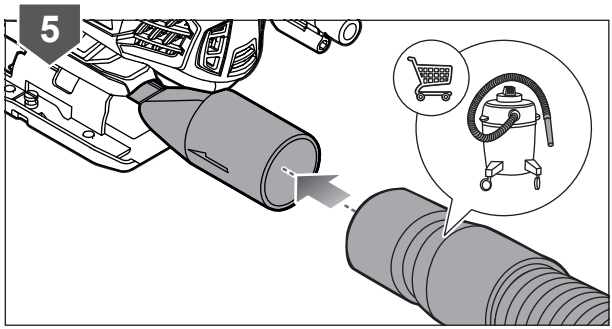
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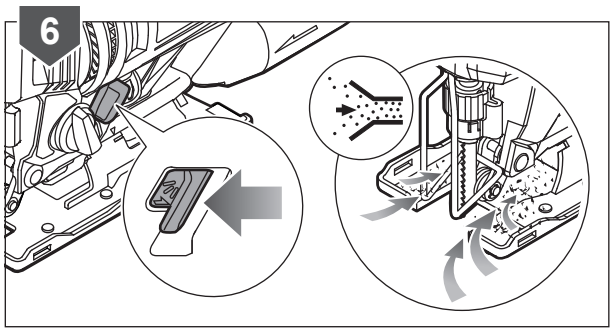
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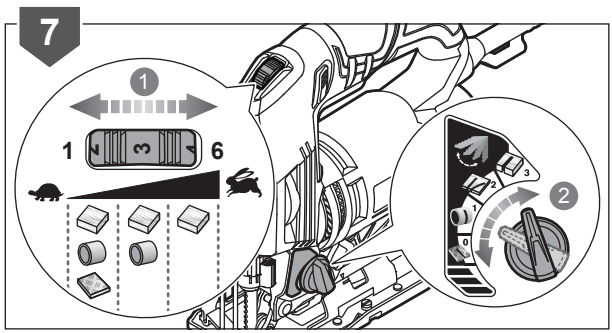
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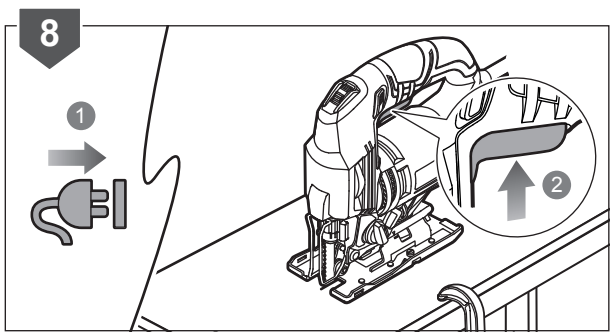
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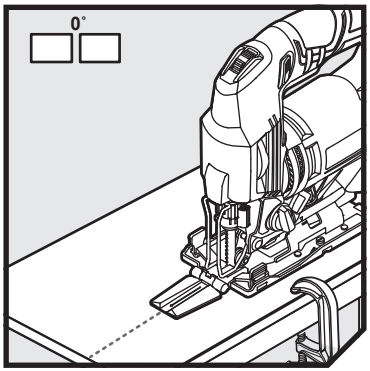
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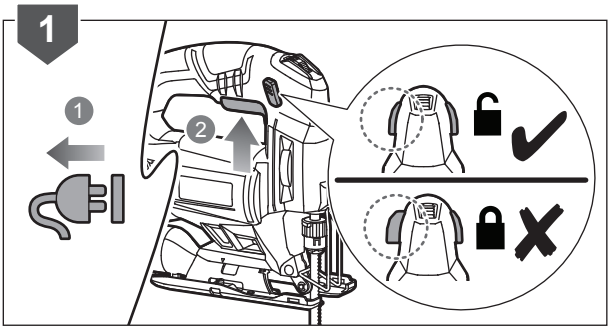
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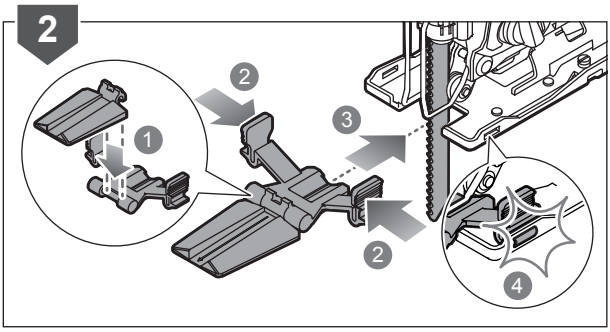
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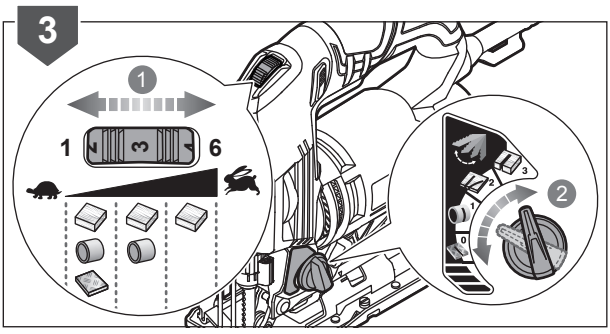
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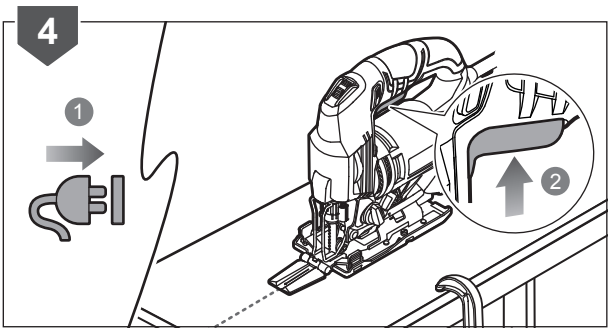
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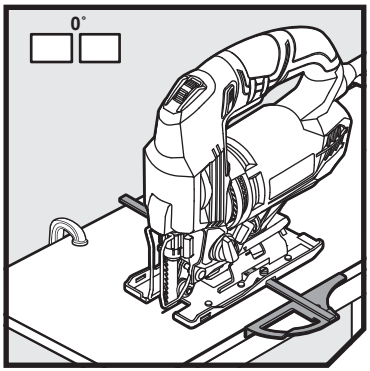
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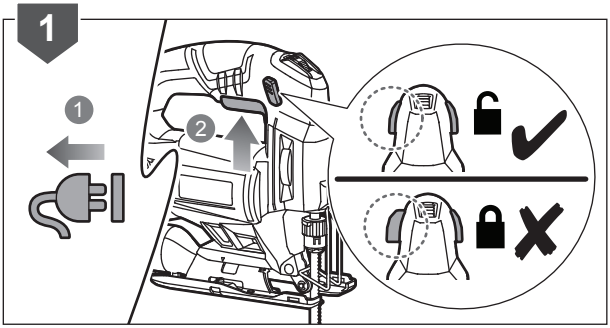
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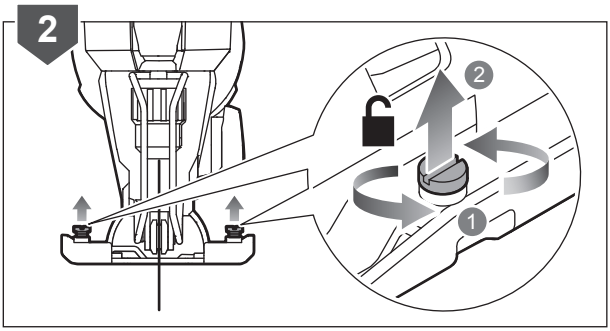
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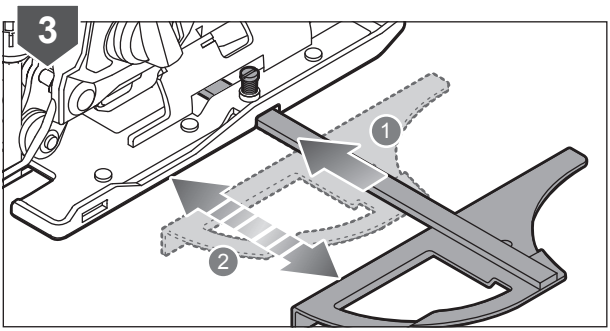
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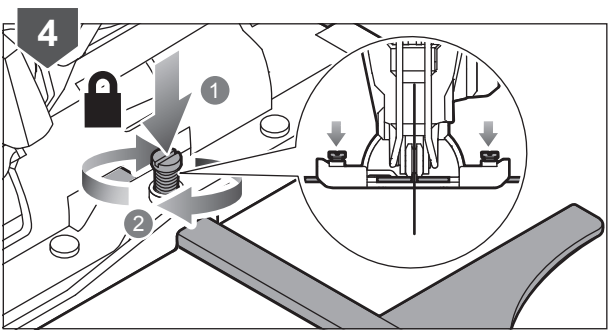
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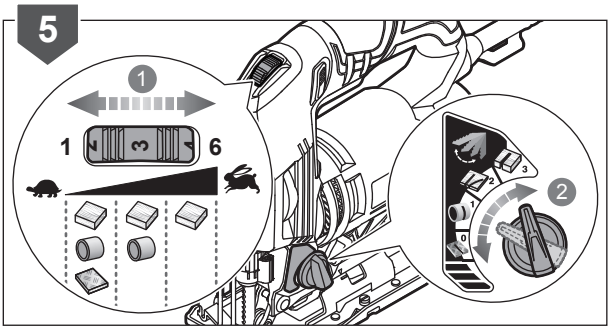
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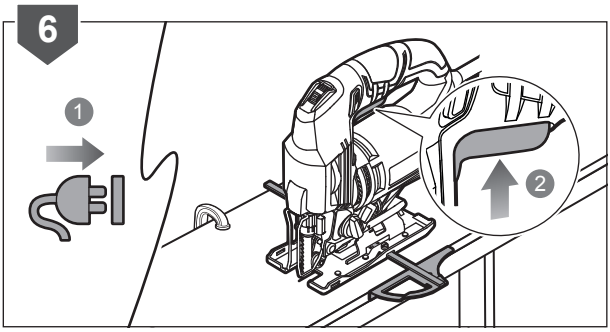
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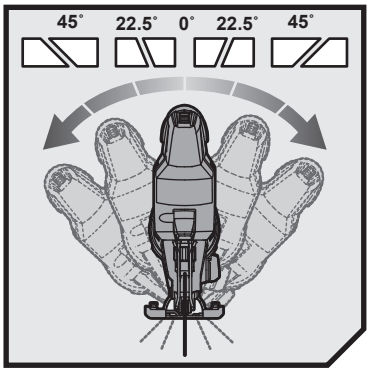
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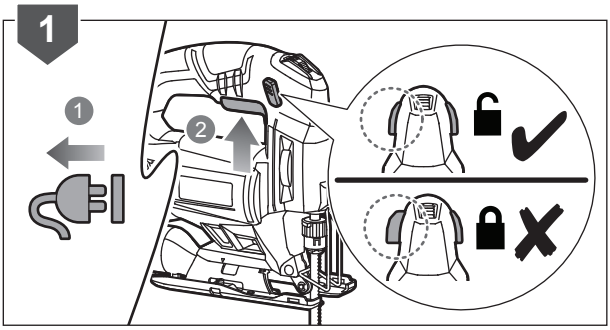
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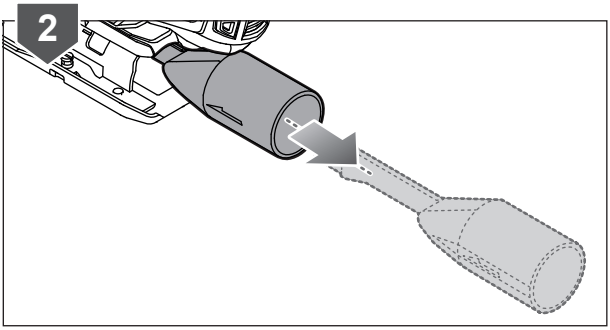
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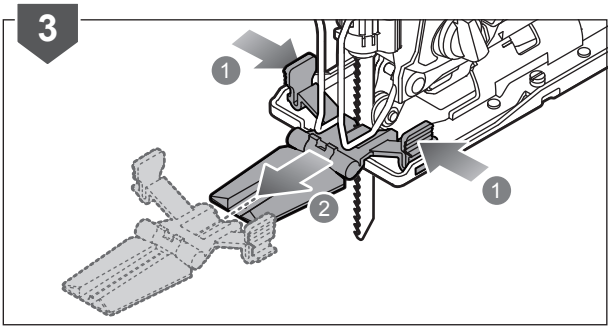
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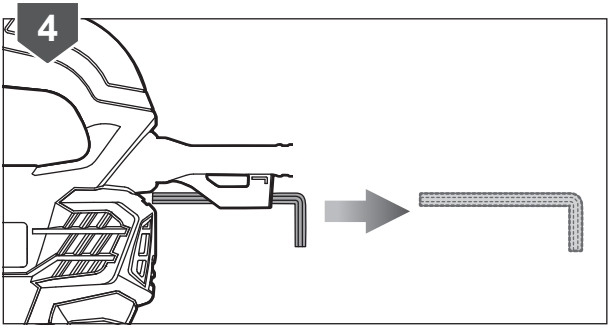
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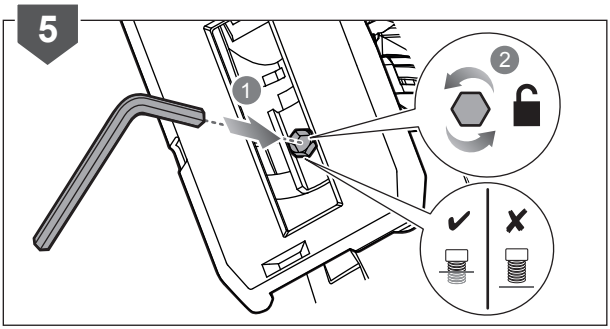
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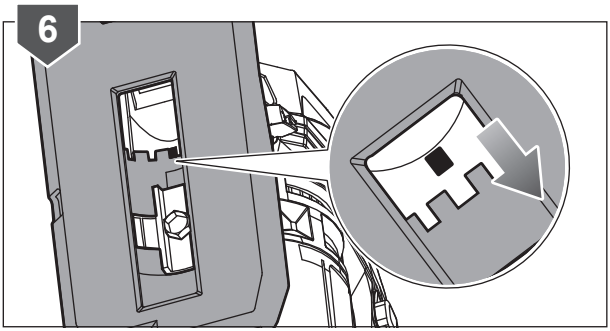
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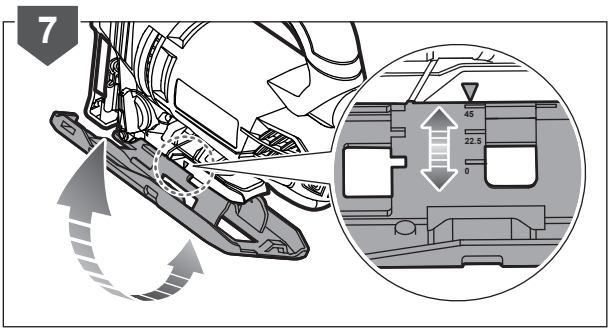
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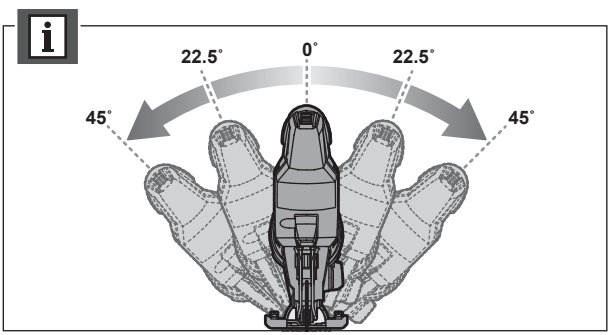
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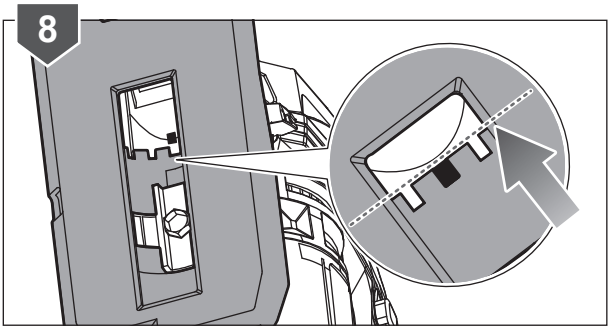
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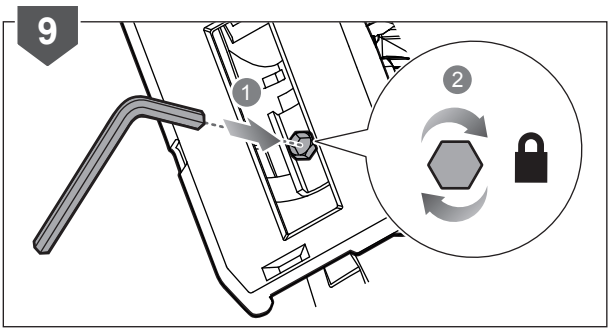
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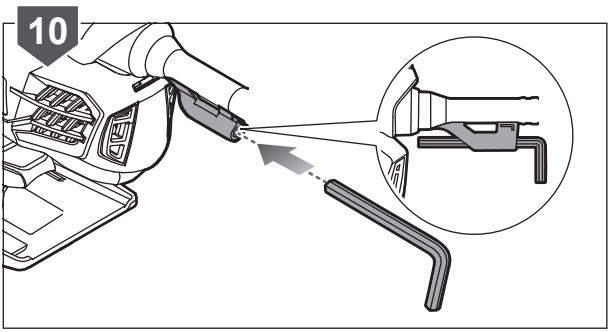
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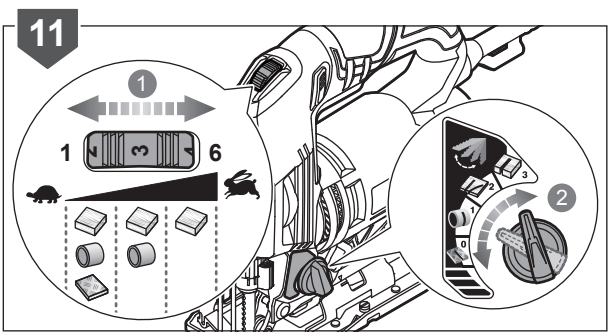
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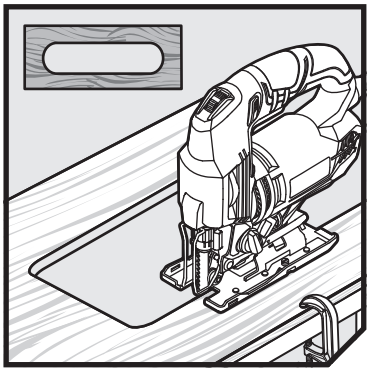

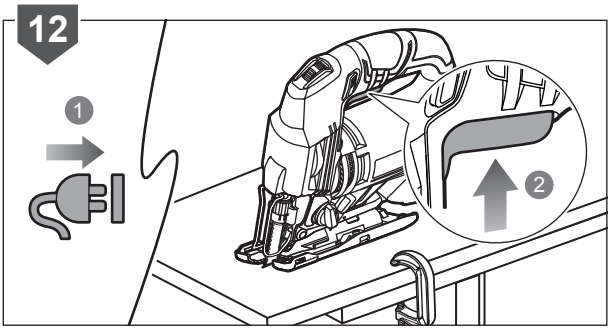
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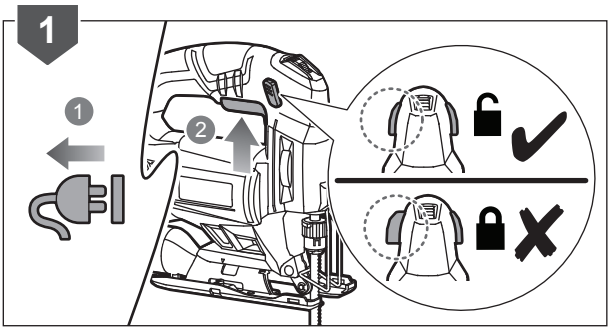
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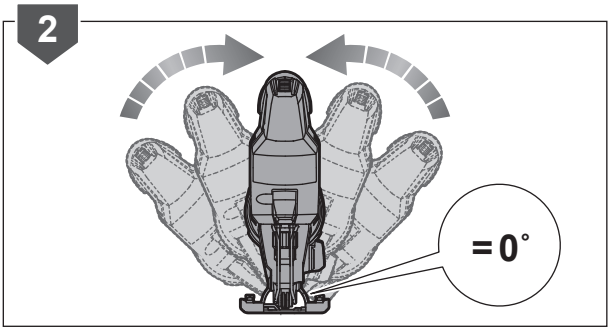
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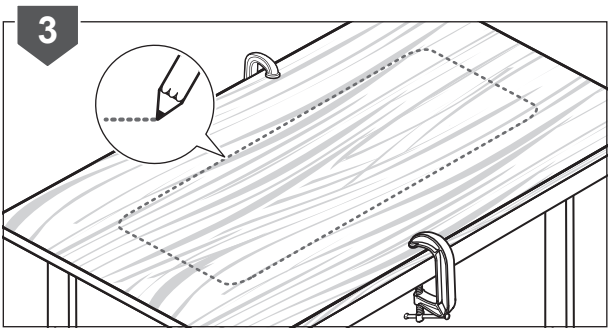
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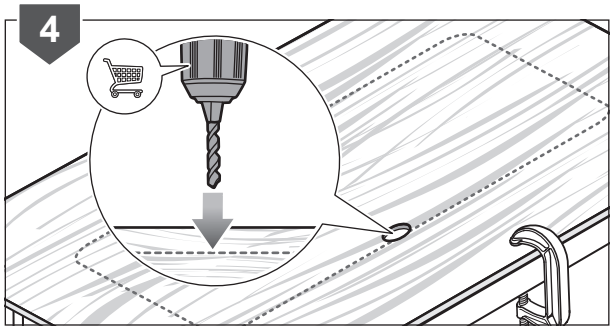
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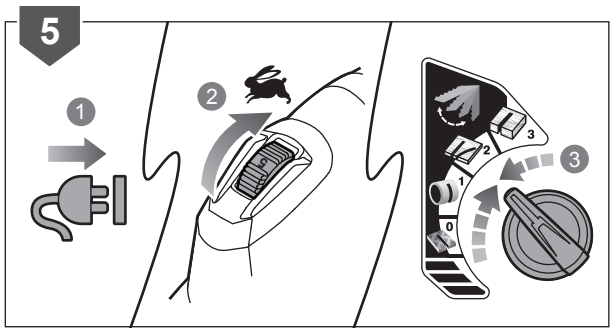
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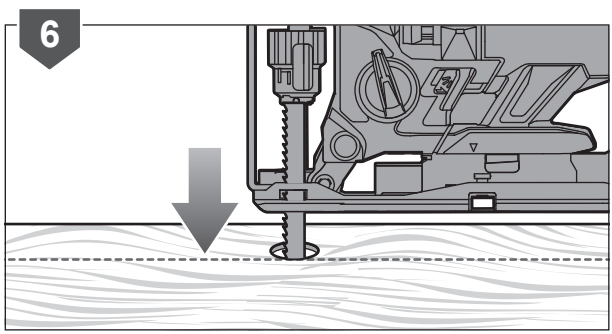
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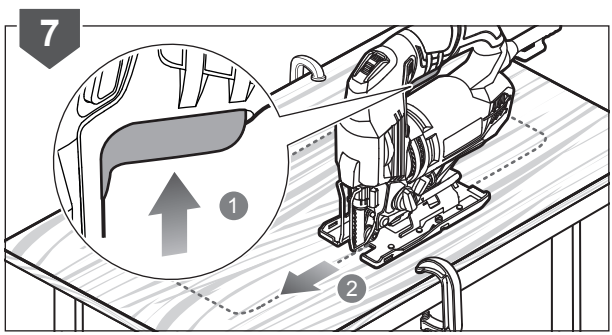
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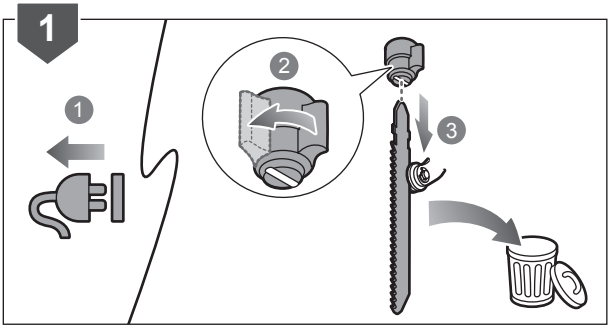
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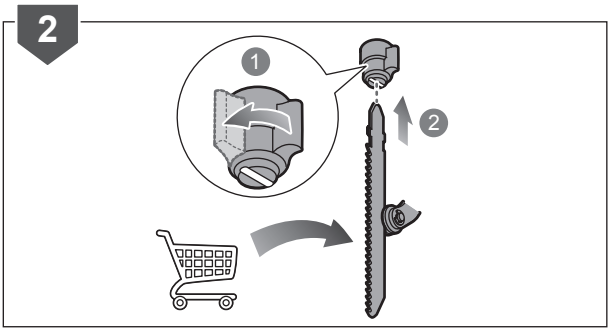
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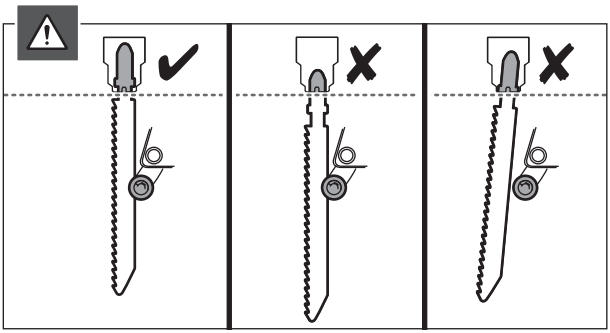

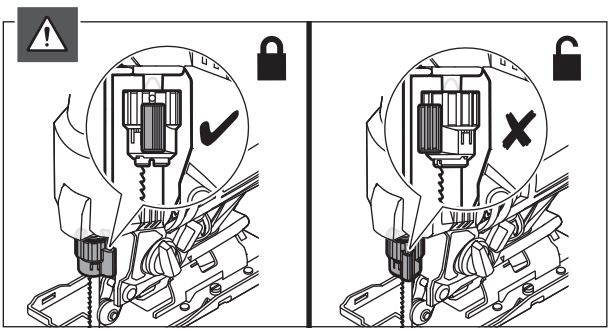

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| Jigsaw | |
| Model | RJS850 |
| Voltage | 220 - 240 V ∿ 50 Hz |
| Input | 600 W |
| Stroke per minute | 500 - 3,100 $min^{-1}$ |
| Stroke length | 23 mm |
| Max cutting capacity | |
| in wood | 85 mm |
| in aluminium | 20 mm |
| in steel | 9 mm |
| Weight<br>(According to EPTA procedure 01/2014) | 2.3 kg |
| Measured sound values determined according to EN 62841: | |
| A-weighted sound pressure level | $L_{pA}$ = 87.5 dB(A) |
| Uncertainty K | 5.0 dB(A) |
| A-weighted sound power level | $L_{WA}$ = 98.5 dB(A) |
| Uncertainty K | 5.0 dB(A) |
| Wear ear protectors. | |
| The vibration total values (triaxial vector sum) determined according to EN 62841: | |
| Cutting boards | $a_{h,B}$ = 8.3 $m/s^2$ |
| Uncertainty K | 1.5 $m/s^2$ |
| Cutting metal sheets | $a_{h,M}$ = 9.4 $m/s^2$ |
| Uncertainty K | 1.5 $m/s^2$ |

## VIBRATION LEVEL

**WARNING**

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period. Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm and organisation of work patterns.



Imported by:

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