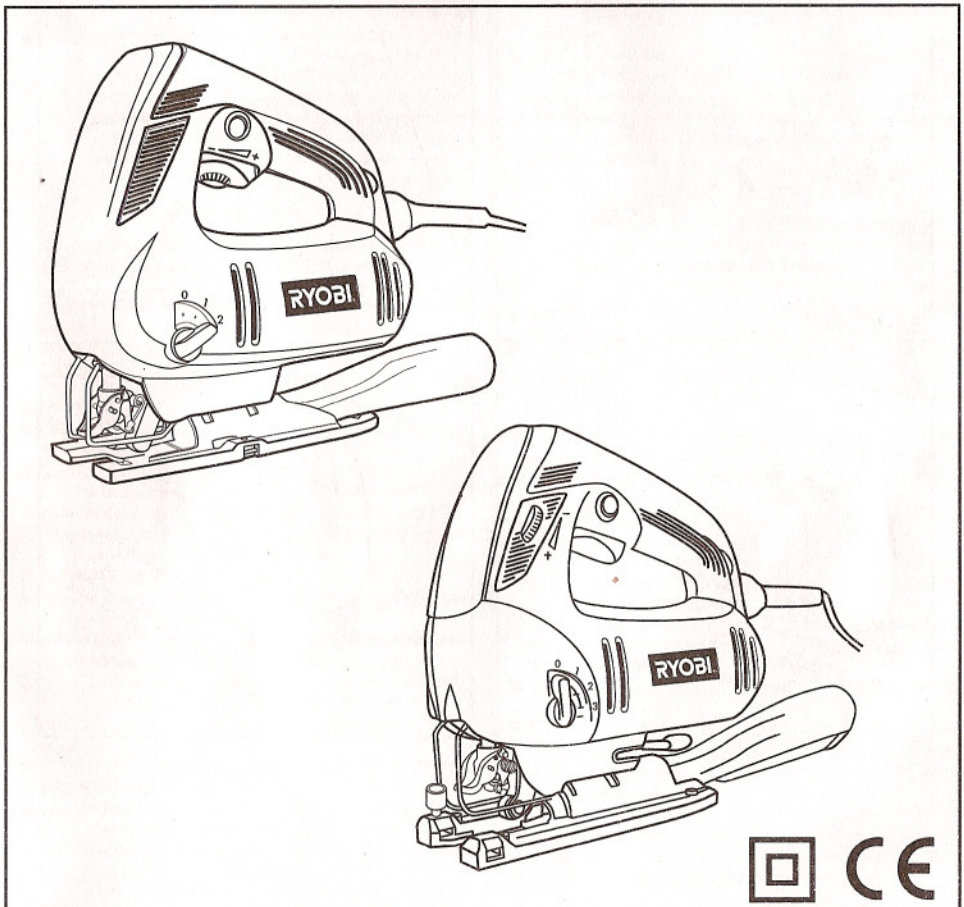
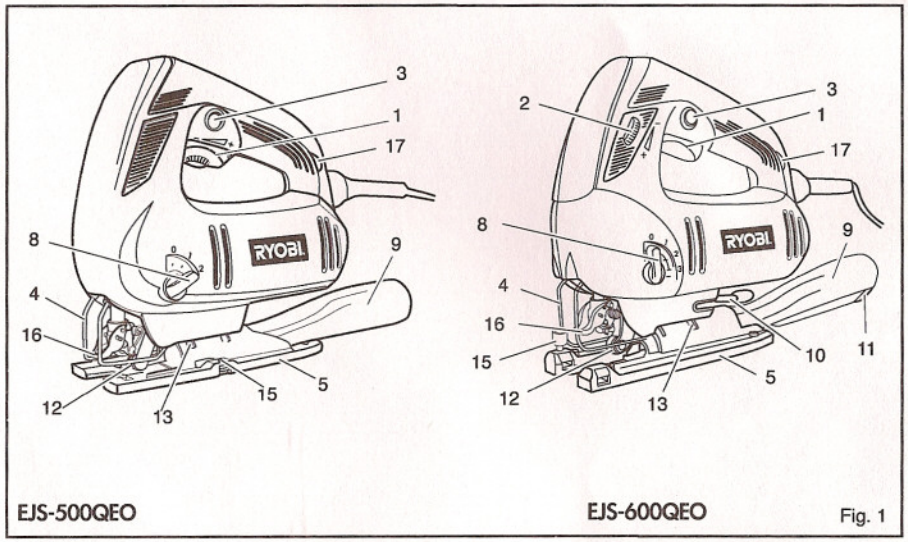
RYOBI®

EJS-500QEO / EJS-600QEO

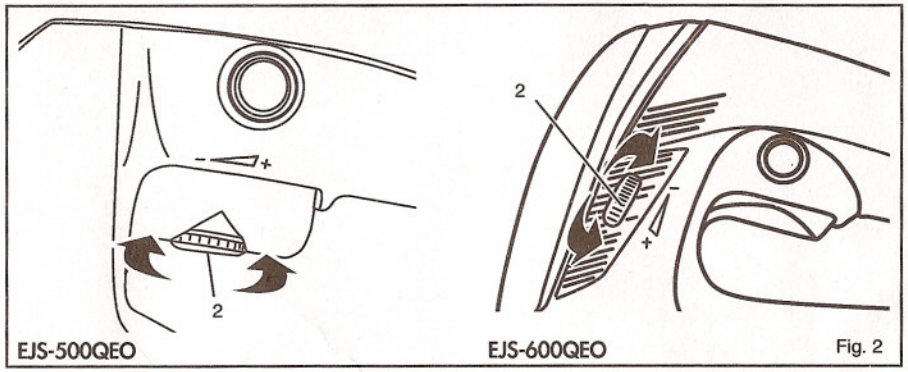
JIGSAW

OWNER'S OPERATION MANUAL

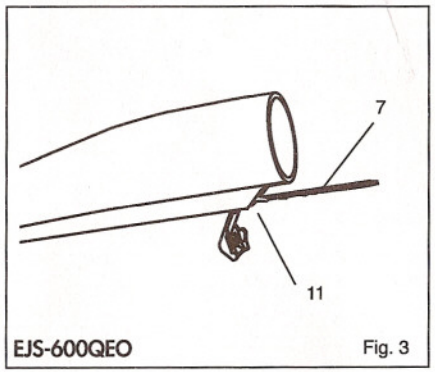




EJS-500QEO EJS-600QEO Fig. 1



EJS-500QEO EJS-600QEO Fig. 2



EJS-600QEO Fig. 3

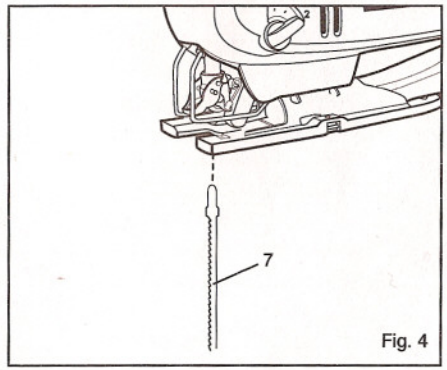


Fig. 4

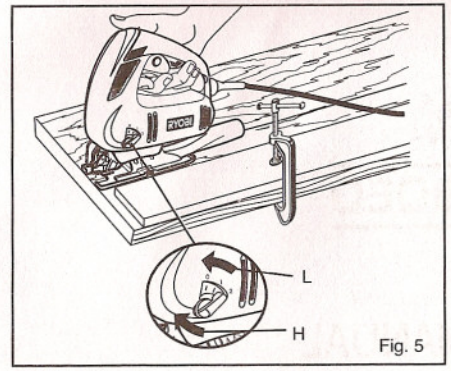


Fig. 5

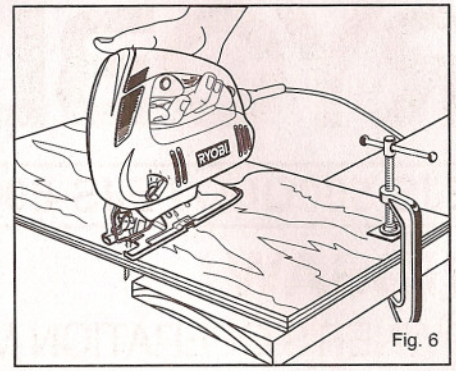
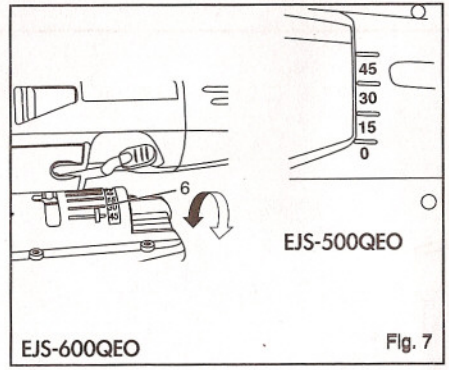


Fig. 6



EJS-500QEO EJS-600QEO Fig. 7

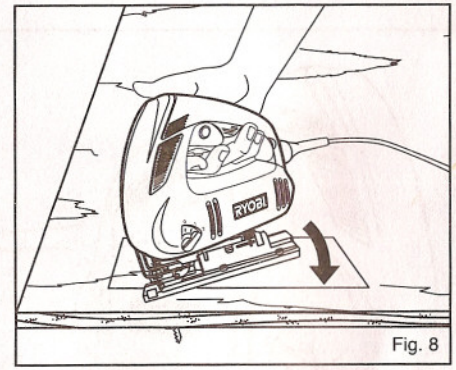


Fig. 8

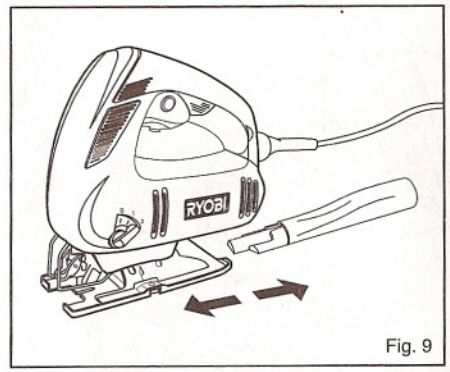


Fig. 9

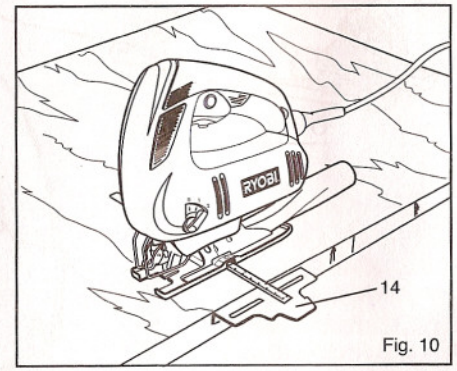


Fig. 10

ENGLISH

GENERAL SAFETY RULES

WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "Power Tool" in all of the warnings listed below refers to your mains operated(corded) power tool or battery operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

SAFETY ALERT SYMBOL. Indicates caution or warning. May be used in conjunction with other symbols or pictures.

WARNING: Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

WARNING: Do not attempt to operate this tool until you have read thoroughly and understood completely safety rules, etc. contained in this manual. Failure to comply can result in accidents involving fire, electric shock or serious personal injury. Save owners manual and review frequently for continuing safe operation and instructing others who may use this tool.

The operation of any tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields.

WORK AREA

- Keep work area clean and well lit. Cluttered and 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.

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 safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection be used for appropriate conditions will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or to plug in power tools that have the switch to ON position can cause 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 these devices can reduce dust related hazards.

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 is designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that can not be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories or storing the power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of 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 mis-alignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools 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 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 and in the manner intended for the paricular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from 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.

DESCRIPTION

1. Switch
2. Variable Speed Control Selector
3. Lock-on Button
4. Safety Guard
5. Base
6. Notch
7. Saw Blade
8. Orbital Adjustment Knob
9. Dust Port
10. Bevel Lock Lever
11. Blade Storage Area
12. Roller Guide
13. Slot
14. Edge Guide
15. Edge Guide Lock Screw
16. Quick Release Lever
17. Live Tool Indicator

SPECIFICATIONS

	EJS-500QEO	EJS-600QEO
Voltage	230V ~ 50Hz	230V ~ 50Hz
Input Power	500W	600W
Stroke per Minute	0-2600 min^{-1}	600-2600 min^{-1}
Stroke length	16mm	20mm
Max Cutting Capcity:		
Wood:	75mm	75mm
Steel:	6mm	8mm

FEATURES

KNOW YOUR SAW

Before attempting to use your saw, familiarize yourself with all operating features and safety requirements.

ELECTRICAL CONNECTION

Your saw has a precision built electric motor. It should be connected only to a power supply of the type specified by its rating plate.
Do not operate this tool on direct current (DC). A substantial voltage drop will cause a loss of power and overheating. If your tool does not operate when plugged into an outlet, double-check the power supply

⚠ **WARNING:** Do not allow familiarity with tools to make you careless. Remember that a careless fraction of a second is sufficient to inflict severe injury.

OPERATION

SWITCH (Fig. 1)

To turn your saw **ON**, depress the switch (1).
Release switch trigger to turn your saw **OFF.**

LOCK-ON BUTTON (Fig. 1)

Your saw is equipped with a **lock-on** (3) feature, which is convenient when continuous cutting for extended periods of time is required. **To lock-on**, depress the switch trigger, push in and hold the lock-on button located on the side of the handle, then release switch trigger. Release lock-on button and your saw will continue running.

To release the lock, depress the switch trigger and release.

If you have the lock-on feature engaged during use and your saw becomes disconnected from power supply, disengage the lock-on feature immediately.

⚠ **WARNING:** Before connecting your saw to power supply source, always check to be sure it is not in lock-on position (depress and release switch trigger). Failure to do so could result in accidental starting of your saw resulting in possible serious injury. Also, do not lock the trigger on jobs where your saw may need to be stopped suddenly.

VARIABLE SPEED (Fig. 2)

Your saw has a variable speed control selector (2) designed to allow operator control and adjustment of speed and power limits. The speed and power of your saw can be increased or decreased by rotating the variable speed control selector in the direction of the arrows.

Note: Hold your saw in normal operating position and turn the variable speed control selector clockwise to increase speed and power. Turn counterclockwise to decrease speed and power.

If you wish to lock the switch on at a given speed, depress the switch trigger, push in and hold the lock-on button, and release the switch trigger. Next, adjust the variable speed control selector until the desired speed is reached.

Note: If the variable speed control selector is fully turned in the clockwise direction (zero setting) your saw may not run.

Note: If you wish not to use the variable speed control selector, turn it in the full counterclockwise direction. This will allow the speed of your saw to be controlled by the amount of switch trigger depression.

Avoid running your saw at low speeds for extended periods of time. Running at low speeds under constant usage may cause your saw to become overheated. If this occurs, cool your saw by running it without a load and at full speed.

The following guidelines may be used in determining correct speed for various applications:

LOW speed is ideal when minimum speed and power is required, for example starting cuts.

MEDIUM speed is suitable for cutting hard metals, plastics and laminates.

HIGH speed produces best results when maximum power is required, for example cutting wood. Soft metals such as aluminum, brass and copper also require high speeds.

OPERATION

BLADE STORAGE (Fig. 3) (FOR EJS-600QEO ONLY)

A convenient feature on your saw is the blade storage. The blade storage area (11) is located on the back of dust port. It is convenient for storing extra blades when not in use.

To open: Pull the door down with your thumb or finger.

Place blades in blade storage area.

To close: Push the door up with your thumb or finger.

⚠ **WARNING:** Do not insert saw blade (7) into air vents. They could come in contact with electrically live internal parts and cause electric shock, resulting in serious injury.

⚠ **WARNING:** Your saw should never be connected to power supply when you are assembling parts, making adjustments, installing or removing blades or when not in use. Disconnecting your saw will prevent accidental starting which could cause serious injury.

TO INSTALL BLADES (Fig. 4)

- Unplug your saw.

⚠ **WARNING:** Failure to unplug your saw could result in accidental starting, which could cause serious injury.

- Pull quick release lever (16) upward.
- Insert saw blade as far as possible into slot in saw bar.
- Check to make sure the back of the saw blade is properly positioned in the groove of the roller guide (12).
- Release the quick release lever.

⚠ **WARNING:** To avoid possible serious injury, always wear safety goggles or safety glasses with side shields. Keep hands and fingers away, from the motor housing and blade clamp and do not reach underneath work while blade is cutting.

⚠ **WARNING:** To avoid serious personal injury, do not use saw without safety guard properly in place.

GENERAL CUTTING (Fig. 5)

Rest the front of the saw base on the workpiece and align cutting edge of the blade with the line on your workpiece. Make sure the power cord is out of the way of saw blade and not in the line of cut. Start your saw and move it forward on the work surface. Apply downward pressure to keep the saw steady and only enough forward pressure to keep the blade cutting.

DO NOT FORCE YOUR SAW

Forcing your saw may overheat the motor and break saw blades.

ORBITAL MOTION (Fig. 5)

The blade of your saw cuts in orbital motion. This feature is adjustable and provides faster more efficient cutting. With orbital motion the blade cuts through your work in the upstroke but does not drag across your work in the downstroke. Higher settings (H) should be used when fast cutting in soft material. Lower (L) settings should be used when cutting materials with more resistance.

STRAIGHT CUT (Fig. 5)

A straight cut can be made by clamping a piece of wood or straightedge to the workpiece and guiding the edge of your saw against it. Make the cut from one direction only, don't cut halfway to complete the cut from the opposite end.

SCROLL CUTTING (Fig. 6)

Scroll cuts can be made with your saw by guiding the direction of the cut with applied pressure on the handle.

⚠ **WARNING:** Excessive side pressure to the blade could result in broken blades or damage to the material being cut.

ANGLE CUTTING (Bevel Cutting) (Fig. 7)

Bevel cutting angles may be adjusted from 0^0 to 45^0 right or left. Angles for cuts are marked on a scale on both sides of the base in 15^0 increments.

The use of a protractor is recommended when accurate cuts are required.

Adjusting the angle - EJS-600QEO only

- Release the bevel lock lever (10) until the base can be moved.
- Slide base forward slightly to release the base from the tab on the motor housing.
- Align the mark on the base of the desired angle with the edge of the motor housing.
- Once the desired angle is reached, slide the base back until the tab on the motor housing aligns with the appropriate notch on the rear of the base.
- Push the bevel lock lever back to secure the base.

Adjusting the angle - EJS-500QEO only

- Loosen the base retaining screws with the wrench (supplied) until the base can be moved.
- Slide base forward slightly to release the base from the tab on the motor housing.
- Align the mark on the base of the desired angle with the edge of the motor housing.

GUARANTEE - STATEMENT

This product is guaranteed from defects in material and workmanship for a period of 24 months, effective and evidenced from date of original invoice or delivery note.

Defects casued by normal wear and tear, unauthorized / improper maintenance/handling or overload are excluded from this guarantee, as are accessories such as battery packs, bulbs, blades and bits, etc.

In the event of malfunction within the guarantee period, please return the product UNDISMANTLED with proof of purchase to your dealer or nearest Ryobi Service Centre.

Your statutory rights in respect of defective products remain unaffected by the warranty.

DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in conformity with the following standards or standardized documents.
EN50366, EN60745-1, EN60745-2-11
in accordance with the regulations
98/37/EC and 89/336/EEC

Sound pressure level 87dB(A)

Sound power level 100dB(A)

The weighted root mean square acceleration value

$10.0 m/s^2$

Machine : JIGSAW Type :EJS-500QEO / EJS-600QEO

Representative

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