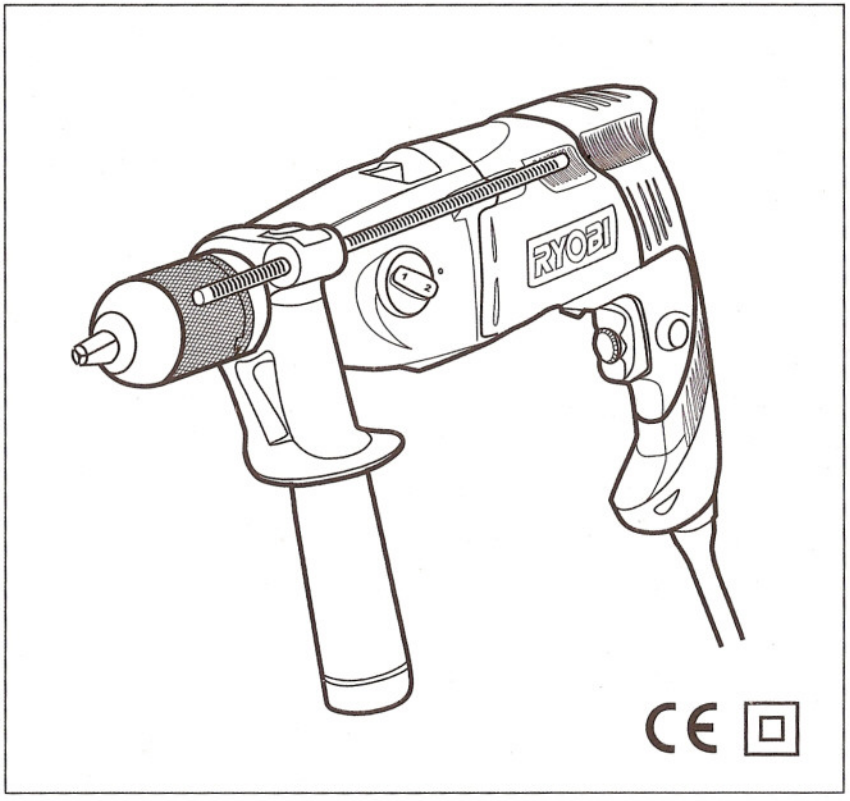
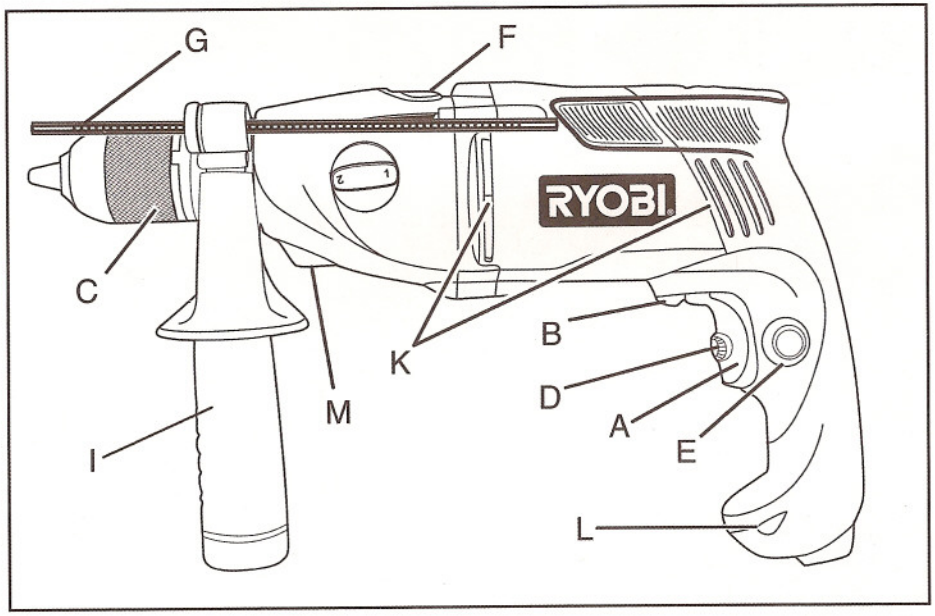
RYOBI®

EID-100-2RE

IMPACT DRILL

OWNER'S OPERATING MANUAL





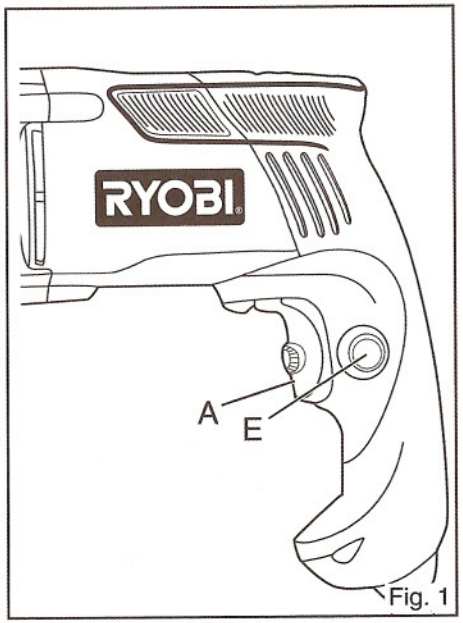


Fig. 1

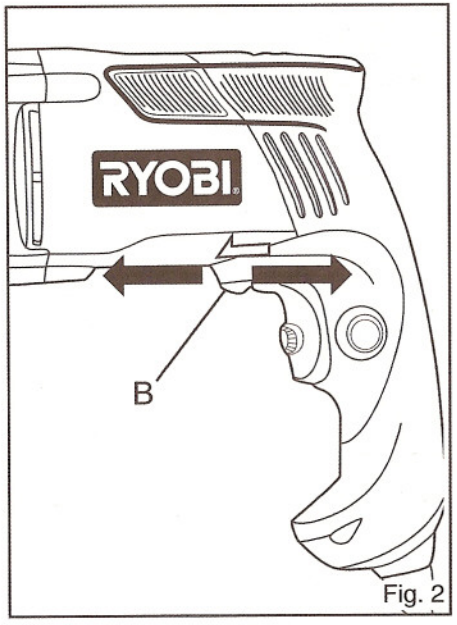


Fig. 2

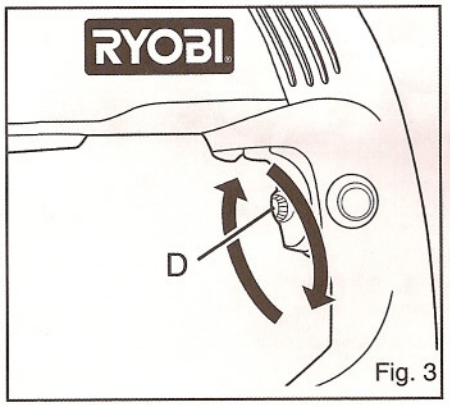


Fig. 3

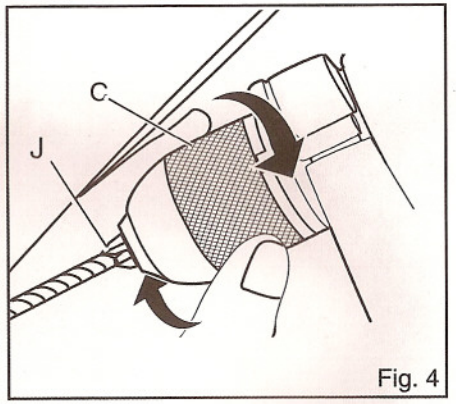


Fig. 4

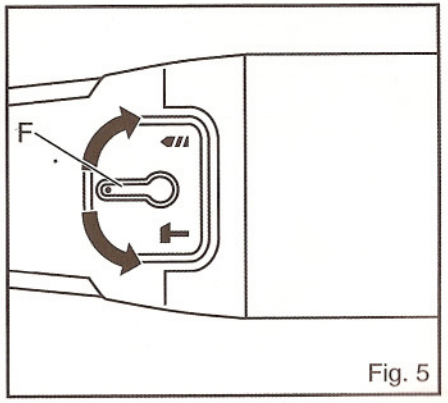


Fig. 5

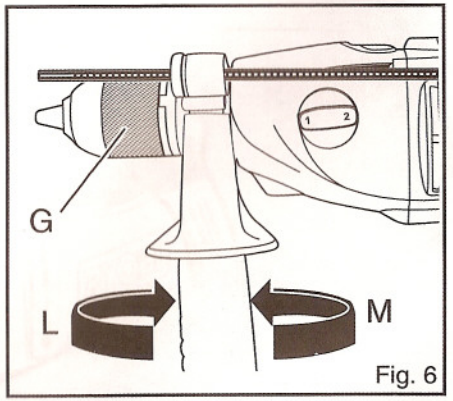


Fig. 6

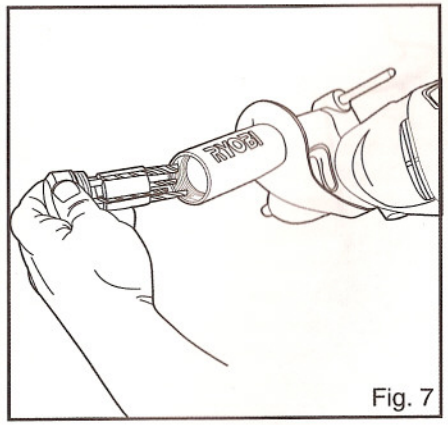


Fig. 7

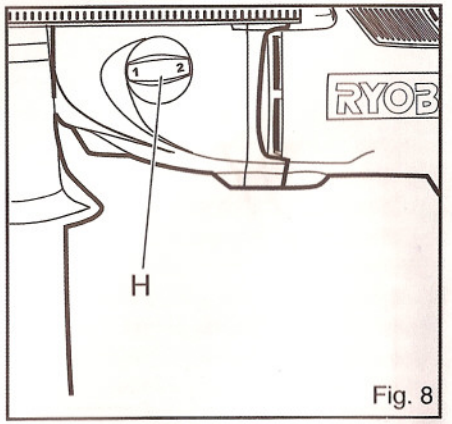


Fig. 8

English

THANK YOU FOR BUYING A RYOBI PRODUCT.

To ensure your safety and satisfaction, carefully read through this OWNER'S MANUAL and the SAFETY INSTRUCTIONS before using the product.

DESCRIPTION.

A. Trigger Switch
B. Forward / Reverse Button
C. Keyless Chuck
D. Variable Speed Selector
E. Lock Button
F. Drill Mode Shift Knob
G. Depth Stopper
H. Gear Setting button
I. Auxiliary Handle
J. Bit
K. Air Vents
L. Live tool indicator
M. Spindle lock

INSTRUCTIONS FOR SAFE HANDLING

- Make sure that the tool is only connected to the voltage marked on the name plate.
- Never use the tool if its cover or any bolts are missing.If the cover or bolts have been removed, replace them prior to use. Maintain all parts in good working order.
- Always secure tools when working in elevated positions.
- Never touch the blade, drill bit, grinding wheel or other moving parts during use.
- Never start a tool when its rotating component is in contact with the work piece.
- Never lay a tool down before its moving parts have come to a complete stop.
- **ACCESSORIES**: The use of accessories or attachments other than those recommended in this manual might present a hazard.
- **REPLACEMENT PARTS**: When servicing use only identical replacement parts.
- **WARNING.** When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury.
- Keep work area clean. Cluttered areas and benches invite injuries.
- Consider work area environment. Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area lit. Do not use power tools where there is risk of fire or shock
- Guard against electric shock. Avoid body contact with earthed or grounded surface (e.g. pipes, radiators, ranges, refrigerators).
- Keep children away. Do not let visitors touch the tool or extension cord. All visitors should be kept from area.
- Store idle tools. When not it use, tools should be stored in a dry, high or locked up place, out of reach of children
- Do not force the tool. It will do the job better and safer at the rate for which it was intended.
- Use the right tool. Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tool for purposes not intended.
- Use safety glasses. Also use face or dust mask if the cutting operation is dusty.
- Do not abuse the cord. Never carry the tool by the cord or yank it to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
- Do not overreach. Keep proper footing and balance at all times.
- Maintain tool with care. Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cord periodically and if damaged have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease
- Disconnect tools when not in use, before servicing and when changing accessories such as blades, bits and cutters.
- Avoid unintentional starting. Do not carry a plugged in tool with a finger on the switch. Ensure that the machine is switched off before connecting to power supply.
- When tool is used outdoors, use only extension cords intended for outdoor use.
- Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- Check for damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective parts replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.

INSTRUCTIONS FOR SAFE HANDLING

- Make sure that the drill bit is securely mounted. An incorrectly mounted bit is extremely dangerous since it can fly off or break during drilling.
- Dress properly. Do not wear loose clothing or jewellery, they can be caught in moving parts. Protective gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- Hold the tool securely with both hands. If not held securely, accidents or injury may result.
- Never touch the chuck or metal body parts when drilling walls, floors, or other surfaces covering electrical wiring. Hold the tool only by the plastic handle to prevent electric shocks.
- While operating, the work piece must be securely held with a vice or clamp etc. to prevent it from moving due to the drill rotation.

SPECIFICATIONS

Voltage	110V / 230V ~ 50Hz
Chuck capacity	13 mm (1/2")
Drilling capacity	
in wood	40 mm
in steel	13 mm
in masonry	16 mm
Input	1050 W
No load speed	
high	0 - 2,880 min^{-1}
low	0 - 1,300 min^{-1}
Blows per minute	
high	0 - 46,080 min^{-1}
low	0 - 20,800 min^{-1}
Net weight	3.2 kg
Safety class	II

STANDARD ACCESSORIES

Auxiliary handle, Depth Stopper and Drill Bit.

APPLICATIONS

(Use only for the purposes listed below.)

- Drilling wood, materials and resin boards.
- Drilling concrete (impact drilling only).
- Drilling metal, steel, brass, aluminum sheets, stainless steel & pipe.

NOISE BUILD-UP

Noise (sound pressure level) In the workplace can exceed 85 dB (A). In this case, sound insulation and hearing protection measures must be taken by the operator.

SWITCH(FIG.1&3)

- This tool is started and stopped by pressing and releasing the trigger switch (A).
- The speed can be adjusted in either gear by controlling the force applied to the trigger.
- The maximum speed of the drill may be set at different speeds by adjusting the variable speed selector (D).
- For continuous operation, press the lock button (E) while squeezing the trigger. Squeeze the trigger again to release the lock.

CHANGING THE ROTATION DIRECTION(FIG. 2)

- To change the direction of rotation, stop the tool and push the forward / reverse button (B).
- When the forward button is pushed in, the bit rotates clockwise when viewed from the handle end of the tool.
- When the reverse button is pushed in, the bit rotates counterclockwise.

SPINDLE LOCK

For easy changing of the drill bit, this drill is equipped with an automatic spindle lock which holds the spindle stationary when loosening and tightening the chuck.

WARNING!
Always be sure the spindle lock button is released and the spindle lock is disengaged before turning the drill ON.

MOUNTING AND REMOVING THE BIT(FIG. 4)

- Insert the drill bit (J) into the chuck as far as the plain part of its shank will go.
- Tighten the chuck securely by rotating the chuck head clockwise.
- The bit can be removed by rotating the chuck counter-clockwise.

CHANGING BETWEEN DRILLING AND IMPACT DRILLING MODE (FIG. 5)

The drilling mode shift knob (F) for changing between the drilling mode and impact drilling mode is positioned on the top of the tool.
DRILLING MODE: Shift the knob to the " " symbol for rotation without impact action.
IMPACT DRILLING MODE: Shift the knob to the " " symbol for impact drilling.

OPERATION

NEVER COVER THE AIR VENTS (K) SINCE THEY MUST ALWAYS BE OPEN FOR PROPER MOTOR COOLING.

DRILLING IN WOOD

To prevent ugly splits around the drill hole on the reverse side of the workpiece, put a piece of scrap timber under the work piece.

DRILLING IN METAL

Metals such as steel, brass,aluminum sheets, stainless steel, and pipe may also be drilled. Mark the point to be drilled with a nail or punch.
Do not use impact mode on these materials.

DRILLING IN CONCRETE

Stone and masonry are generally drilled in the impact drilling mode.
When drilling in delicate materials such as wall tiles, it is essential to start with ordinary drilling and, once the tile is pierced, to continue with impact drilling.
In deep bore holes the drill bit should be pulled out occasionally in order to remove the debris from the drill and hole.

AUXILIARY HANDLE AND STOPPER POLE (FIG. 6)

Auxiliary handle
The auxiliary handle (I) can be rotated 360°
Loosen the handle grip by turning in direction L, and tighten it at an easy to-use position by turning the grip in direction M.

BIT STORAGE (FIG. 7)

The auxiliary handle also contains a compartment to store drill bits. To access this compartment unscrew the end cap below the Yellow trim on the handle in an anticlockwise direction.

DEPTH STOPPER

Holes of a fixed depth can be accurately bored by using the depth stopper (G).
The depth of the hole will be the distance from the end of the bit to the end of the stopper pole.
By turning the handle grip in direction L, the stopper pole can be released and the depth adjusted. After adjusting the depth, fix the stopper pole again by turning the handle grip in direction M.

CHANGING THE ROTATION SPEED (FIG. 8)

The rotation speed can only be changed when the tool is at a standstill.
The gear setting knob (H) is on the left side of the housing.
When the knob is in position "1" the tool is in the low gear.
When the knob is in position "2" the tool is in the high gear.

LIVE TOOL INDICATOR

This tool features a live tool indicator (L) which illuminates as soon as the tool is connected to the supply. This warns the user that the tool is connected and will operate when the switch is pressed.

MAINTENANCE

After use, check the tool to make sure that it is in good condition. It is recommended that you take this tool to a RYOBI Authorized Service Center for a thorough cleaning and lubrication at least once a year.

DO NOT MAKE ANY ADJUSTMENTS WHILE THE MOTOR IS IN MOTION.
ALWAYS DISCONNECT THE POWER CORD FROM THE POWER SUPPLY BEFORE CHANGING REMOVABLE OR CONSUMABLE PARTS (BLADE, BIT), BEFORE LUBRICATING OR WORKING ON THE UNIT.

WARNING!
To ensure safety and reliability, all repairs should be performed by an **AUTHORIZED SERVICE CENTER** or other **QUALIFIED SERVICE ORGANIZATION.**

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

GUARANTEE - STATEMENT

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

Defects caused 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 standardised documents.
EN50144, EN55014, EN61000-3-2, EN61000-3-3
in accordance with the regulations
89/336/EEC and 98/37/EEC

Sound pressure level	dB(A)
Sound power level	dB(A)
The weighted root mean square acceleration value	m/s^2

Machine: **IMPACT DRILL**

Type: **EID-100-2RE**

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Name/Title: Mark Pearson
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Signature: