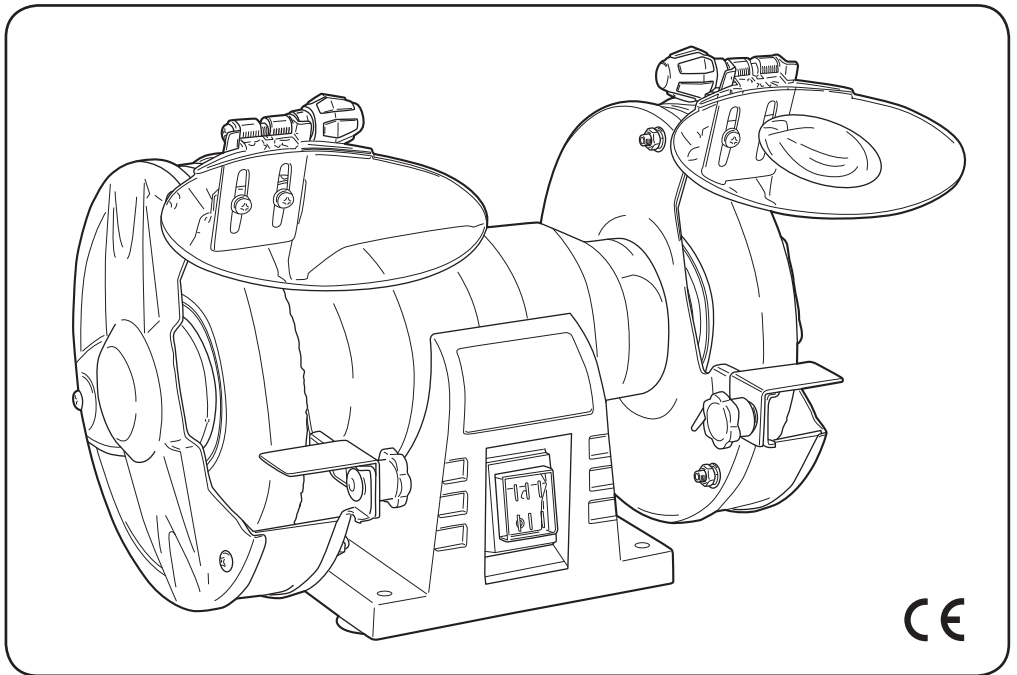


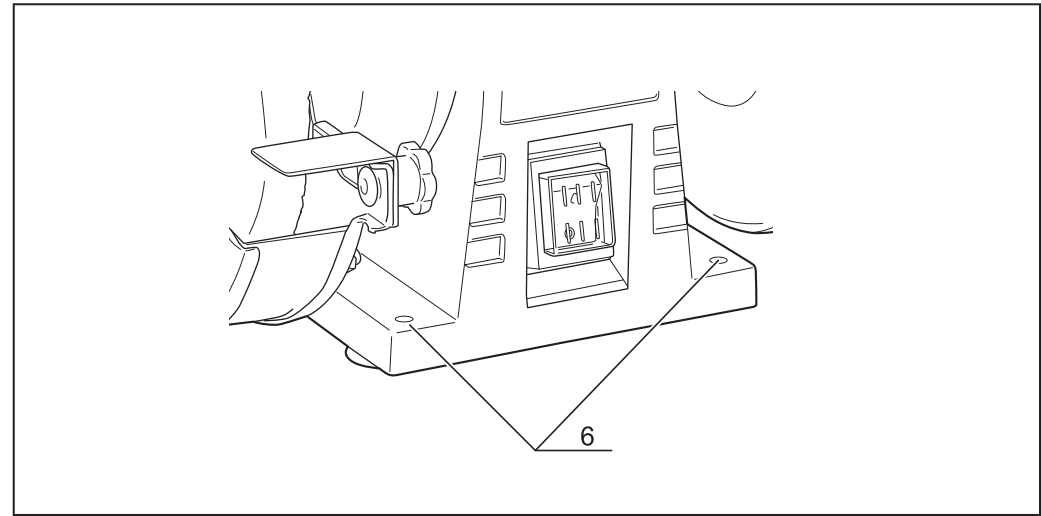
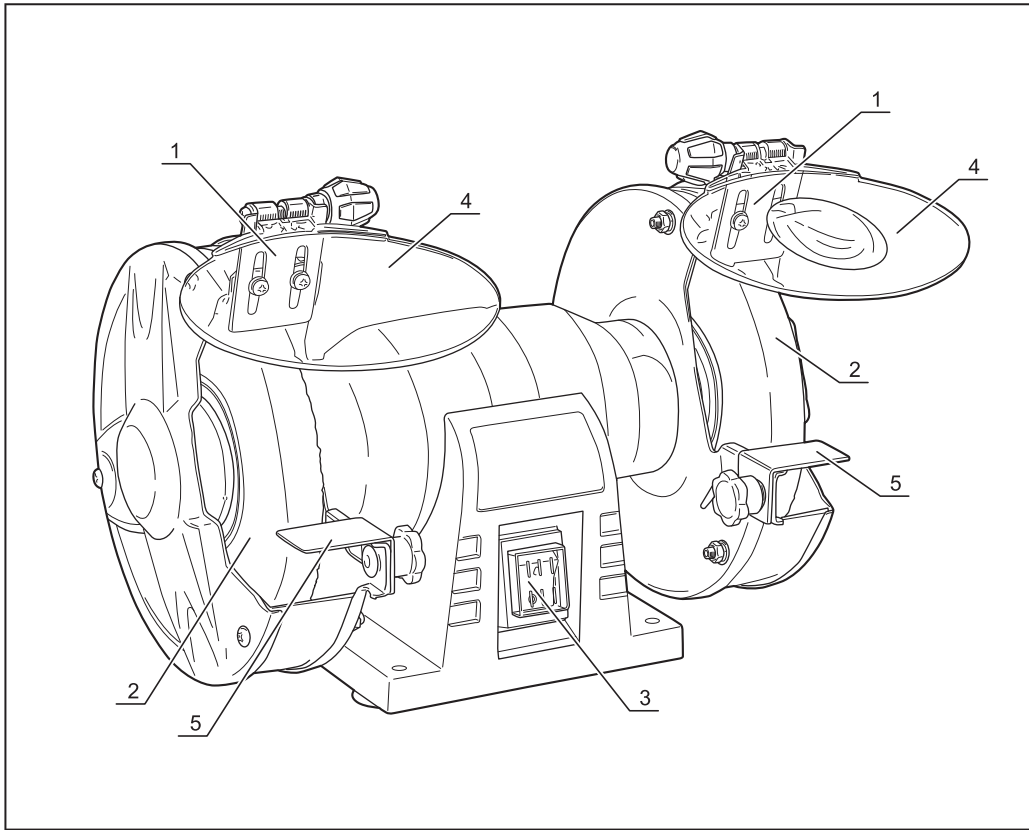
RYOBI®

HBG-150

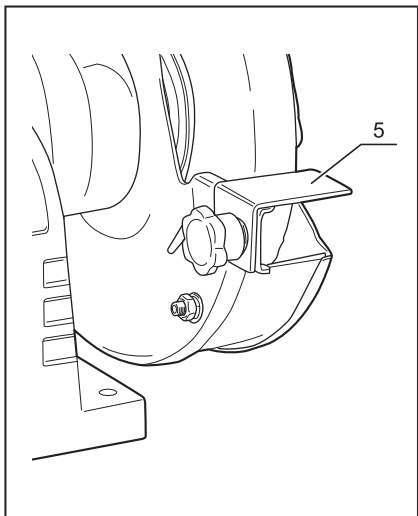
GB OWNER'S OPERATING MANUAL



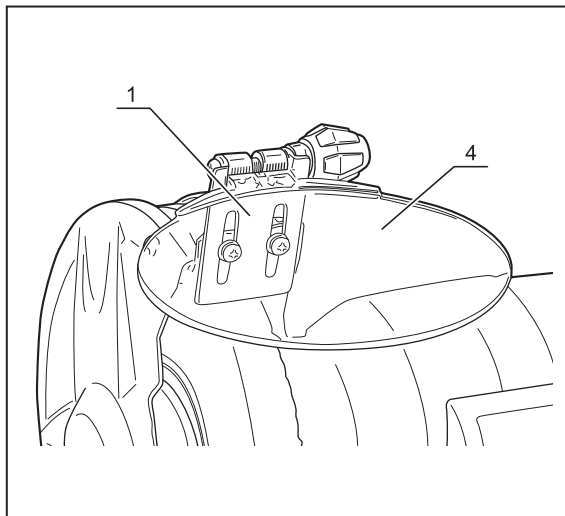
CE



3



1



2

THANK YOU FOR BUYING A RYOBI PRODUCT.
To ensure your safety and satisfaction, carefully read through this OWNER'S MANUAL before using the product.

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

1) Work area

- a) **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical safety

- a) **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
- b) **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.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **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.
- e) **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.

3) Personal safety

- a) **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.
- b) **Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Avoid accidental starting. Ensure the switch is in the off-position before plugging in.** Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- d) **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.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **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.

g) **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.

4) Power tool use and care

- a) **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.
- b) **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.
- c) **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.
- d) **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.
- e) **Maintain power tools. Check for misalignment 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.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular 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 those intended could result in a hazardous situation.

5) Battery tool use and care

- a) **Ensure the switch is in the off position before inserting battery pack.** Inserting the battery pack into power tools that have the switch on invites accidents.
- b) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- c) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- d) **When battery pack is not in use, keep it away from other metal objects like paper clips, keys, nails, screws, or other metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- e) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

6) Service

- a) **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 RULES FOR BENCH GRINDER

1. Disconnect power supply plug before replacing wheels or covers.
2. Replace cracked wheel immediately.
3. Always use guards and eyeshields.
4. Ensure tool rests and eyeshields are properly adjusted.
5. Do not overtighten wheel nut.
6. Adjust distance between wheel and tool rest to maintain 1.6mm or less separation as the diameter of the wheel decreases with use.
7. Use grinding wheel suitable for speed of 2950r/min.
8. Ensure wheel rotate freely before switching on power.
9. Stand beside the bench grinder when switching on power.
10. After fitting new grinding wheel, leave machine running for at least one minute. If the wheel is faulty it will break during this test period.
11. Don't operate the grinder with the wheel guard off.
12. Don't use the grinding wheel to cut anything.
13. Don't use anything to overload the grinding wheel.
14. Use a wheel dresser only to remove burrs on the grinding wheel.

DESCRIPTION

1. Spark breaker
2. Grinding wheel
3. ON/OFF switch
4. Eye shield
5. Tool rest
6. Bench attachment hole

SPECIFICATIONS

Voltage.....	230v, 50Hz
Power input.....	150W
No load speed.....	2,950min ⁻¹
Grinding wheel size.....	φ150x16xφ12.7mm
Net weight.....	5.5kg

ASSEMBLY

1. Fix tool rests (5) with screws, nuts and washers supplied. Keep tool rests vertical to grinding wheels. Tool rests are adjustable to maintain the correct distance 1.6mm from grinding wheels. (Fig. 1)
2. Assemble eyeshields (4) and spark breakers (1) using bolts, washers and knurled nuts supplied loose.
3. Install eyeshield assemblies to wheel guards. Remove top wheel cover bolt, washer and nut and insert spark breaker. Replace bolt, washer and nut. Adjust spark breaker to desired working position and tighten firmly. (Fig. 2)

BENCH ATTACHMENT

1. Fasten grinder to work bench before operating this machine. There is bench attachment holes(6) on either side of the base which should be used to secure the grinder. (Fig. 3)
2. 2 x 10mm diameter bolts should be used to secure the grinder to the bench or stand.

OPERATION

Eyeshield Adjustment

The see-through eyeshield allows users to see operation clearly, work precisely. Eyeshields can be adjusted up and down.

Tool Rests Adjustment

The appropriate adjustment of tool rests provides the correct working angle to do efficient grinding. This adjustment can be

done by regulating its related screw. Due to normal wear of the grinding wheel, it is necessary to adjust the tool rests from time to time.

Changing the Grinding Wheels

To replace worn grinding wheels, the necessary steps are listed below:

1. Disconnect the power supply, disassemble outside covers left or right.
2. Remove the three screws and nuts holding the outside wheel guard.
3. Hold grinding wheel firmly. Remove the nut and flange on the shaft by using proper tool. Left wheel nut has left hand thread. Right wheel nut has right hand thread.
4. Take off used wheel and replace with a new one.
5. Assemble the flange, nut and outside cover in reverse order. To ensure good balance, make sure the surface between the grinding wheel and the flanges are smooth.
6. Replace the three screws and nuts holding the outside wheel guard.
7. Switch on the machine and let it run for one minute idle rotation to check before using under load.

MAINTENANCE

After use, check the tool to make sure that it is in top 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.

CAUTION:

Do not make any adjustments while the motor is in motion. Always disconnect the power cord from the receptacle before changing removable or expendable parts (grinding wheel etc.), lubricating or working on the unit.

— NOTE —

— NOTE —

RYOBI POWER EQUIPMENT WARRANTY

Subject to the warranty conditions below, this RYOBI tool (hereinafter called "the Product"), is warranted by Ryobi (herein called "the Company") to be free from defects in material or workmanship for a period of 12 months from the date of original purchase covering both parts and labour. Under the terms of this warranty, the repair or replacement of any part shall be the opinion of the Company or its authorised agent. Should service become necessary during the warranty period, the owner should contact the authorised Ryobi retailer from whom the product was purchased, or the nearest Company branch office. In order to obtain warranty service, the owner must include the Sales Docket and Warranty Certificate to confirm date of purchase. This Product is sold by the dealer or agent as principal and the dealer has no authority from the Company to give any additional warranty or guarantee on the Company's behalf except as herein contained or herein referred to.

Warranty Conditions

This warranty only applies provided that the Product has been used in accordance with the manufacturer's recommendations under normal use and reasonable care (in the opinion of the Company) and such warranty does not cover consumable components, damage, malfunction or failure resulting from

misuse, neglect, abuse, or used for a purpose for which it was not designed, or is not suited and no repairs, alterations or modifications have been attempted by other than an Authorised Service Agent. This guarantee will not apply if the tool is damaged by accident or if repairs arise from normal wear and tear.

Accessories such as bits, blades, sanding discs, cutting lines, etc., are excluded from this guarantee. Normal consumable parts, such as carbon brushes, bearings, chucks, cord assembly's, spark plugs, recoil pulleys and bump head assembly's are specifically excluded from this guarantee.

The Company accepts no additional liability pursuant to this warranty for the costs of traveling or transportation of the Product or parts to and from the service dealer or agent - which costs are not included in the warranty.

Nothing herein shall have the effect of excluding, restricting or modifying any conditions, warranty, right or liability imposed, to the extent only that such exclusion, restriction or modification would render any term herein void.



STEVENS & CO (Pty) Ltd
604, 16th Street, Randjespark
Midrand, South Africa

P O Box 4059
HALFWAY HOUSE
1685, South Africa

Tel: +27 (11) 357-9600
Fax: +27 (11) 805-5541
email: stevens@ryobi.co.za

THIS WARRANTY FORM SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES.

For your record and to assist in establishing date of purchase (necessary for in-warranty service), please keep your purchase docket and this form, completed with the following particulars.

PURCHASED FROM:.....

ADDRESS OF DEALER:.....

DATE:..... MODEL NO..... SERIAL NO.....

Present this form with your Purchase Docket when Warranty Service is required.