

RYOBI®

**EBS800
EBS800V**
TYPE II

ORIGINAL INSTRUCTIONS
Belt Sander



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 belt sander.

INTENDED USE

The belt sander 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.

The product is intended for sanding metal, wood, plastic, or similar materials. It can also remove paint, varnish, and corrosion from surfaces. The product should only be used in well ventilated areas.

The product is designed for dry sanding only. Do not use for wet sanding.

The belt sander can be used in handheld mode and moved manually by the operator on the workpiece surface to be sanded. The workpiece should be fixed to a sturdy and stable platform.

The belt sander can be operated in the inverted mode when fixed to a work bench using the accessories provided by the manufacturer. When in the inverted mode, the operator guides the work piece to be sanded on the sanding belt.

The product is intended for consumer use only.

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

⚠ 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. Material containing asbestos should only ever be worked or processed by qualified specialist operators.

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.

GENERAL WORKING STAND SAFETY WARNINGS

WARNING

Read all safety warnings and all instructions provided with the working stand and the power tool to be mounted. Failure to follow the 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.
- **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments or changing accessories.** Accidental starting of the power tool is a cause of some accidents.
- **Properly assemble the working stand before mounting the tool.** Proper assembly is important to prevent risk of collapse.
- **Securely fasten the power tool to the working stand before use.** Power tool shifting on the working stand can cause loss of control.
- **Place the working stand on a solid, flat and level surface.** When the working stand can shift or rock, the power tool or workpiece cannot be steadily and safely controlled.
- **Do not overload the working stand or use as ladder or scaffolding.** Overloading or standing on the working stand causes the stand to be "top-heavy" and likely to tip over.

BELT SANDER SAFETY WARNINGS

- **Hold the power tool by insulated gripping surfaces, because the sanding surface may contact its own cord.** Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

ADDITIONAL SAFETY WARNINGS

- **Clamp workpiece with a clamping device.** Unclamped workpieces can cause severe injury and damage. Do not hold the material you are sanding by hand.
- **Do not use sanding belt larger than needed.**
- **Always wear safety goggles and a dust mask.**
- **A suitable breathing respirator must be worn while sanding lead paint, some woods and metal to avoid breathing the harmful/toxic dust or air.**

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:

- Entrapment/contact with the moving belt

- Especially during inverted operation, additional caution must be exercised to prevent operator's fingers and hands from coming into contact with the abrasive belt or entrapped by the rollers. Use the fence accessory whenever possible to help control the workpiece and prevent entrapment with the moving roller.
- Injury caused by dust
 - Using the product will produce considerable amount of dust and fine particles. Use the dust collection device or connect a dust extraction vacuum when operating the product. Wear dust masks containing filters appropriate to the materials being worked on. Ensure adequate workplace ventilation. Do not eat, drink, or smoke in the work area. Only operate on materials which are specified in the Intended use section. Do not operate on materials (e.g., asbestos) which present a health hazard.
- Risk of explosion
 - Accumulated fine dust may ignite and cause fire. Keep the work area clean and free from dust. Dust collection and vacuum extraction systems should be regularly and thoroughly cleaned. When sanding metal, hot sparks may be produced.
- Electrocution
 - Keep power and extension cables clear from the working range of the product and other conductive surfaces.
- Noise and vibration
 - Wear ear protection when operating the product. Do not operate the product for extended periods of time.

RISK REDUCTION

It has been reported that vibrations from hand-held 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. These 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 condition, immediately discontinue use and see your doctor about these symptoms.

KNOW YOUR PRODUCT

See page 109.

1. Speed dial (EBS800V)
2. Front handle, insulated gripping surface

3. Front handle adjustment button
4. Sanding belt adjustment knob
5. Lock-on button
6. Main handle, insulated gripping surface
7. Dust box cover
8. Dust box
9. Clamp (EBS800V)
10. Trigger
11. Sanding belt release lever
12. Bench sanding stopper (EBS800V)
13. Sanding belt
14. Sanding frame (EBS800V)
15. Sanding frame adjustment knob (EBS800V)

OPERATION

- Do not operate the product without a properly tracked and fitted belt. An incorrectly tracked belt may come off the product and cause personal injury or damage to the sander.
- Secure the workpiece with a vice or clamp to a suitable work bench. This helps to prevent the workpiece becoming a thrown object.
- Use the supplied handles to hold and control the product with both hands.
- Do not force the tool. Use the correct product for your application. The correct product will do the job better and safer at the rate for which it is designed.
- Do not apply excessive pressure to the product. Let the weight of the product apply the correct pressure and use your hands to guide the sander. Excessive pressure will overload the product and damage the motor. Applying more pressure will not remove more material and will reduce sanding efficiency instead.
- Change the sanding belt often to maintain the product's ability to effectively remove material.
- Start the product using the trigger switch and allow the belt to gain correct speed. Then lower the belt onto the workpiece. Hold the product securely in both hands because the movement of the belt will drive the product forwards.
- Choose a belt of the correct size and appropriate roughness for the task. Use belts with a lower grit number for removing more material; higher grit number for removing less material and for a finer finish. Replace the belt if it becomes damaged, clogged with debris, or is worn.
- It is normal to sand and move the product back and forth along the grain of the material. Sanding across the grain will work but it results to a scratched and damaged surface.

⚠ 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. Material containing asbestos should only ever be worked or processed by qualified specialist operators.

- Use the dust collector or connect the dust port to a vacuum device to reduce risks associated with dust particles.
- All persons within the work area or nearby should wear dust masks which offer appropriate protection.
- Always wear safety goggles or safety glasses with side shields when operating products.
- Use the sanding frame and the fence attachments when using the product in the inverted mode of operation. Use of the attachments helps to control the position of the workpiece and prevents accidental contact with the moving belt and rollers.
- When used in the inverted mode, the product must be adequately secured to a suitable work bench using the accessory clamps provided. See graphic instructions later in this manual.

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.

Electric tools used on fiberglass material, wallboard, spackling compounds or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. We do not recommend using the product for extended periods of time on these types of materials.

After each use, remove the belt and dust collector if fitted. Clean the dust collector as shown in the illustrations in this manual. Clean the product thoroughly with a brush, dry cloth and vacuum cleaner.

WARNING

Do not use compressed air to blow dust from the product to prevent serious eye injury.

WARNING

If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent. Contact the authorised service centre.

For greater safety and reliability, all repairs should be performed by an authorised RYOBI service centre.

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit 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 environmental-friendly recycling.

SYMBOL



Safety Alert

V

Volts

Hz

Hertz

~

Alternating current

W

Watts

n₀

No-load speed

min⁻¹

Revolutions or reciprocations per minute



CE Conformity



EurAsian Conformity Mark



Ukrainian mark of conformity



Class II tool, double insulated



Please read the instructions carefully before starting the product.



Wear ear protection



Wear eye protection



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



Note



Connect to the power supply.



Disconnect from the power supply.



Lock



Unlock



Speed, minimum



Speed, maximum

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.

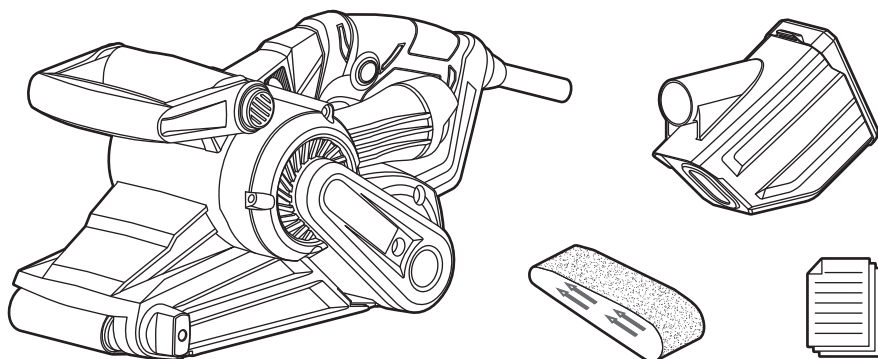
CAUTION

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

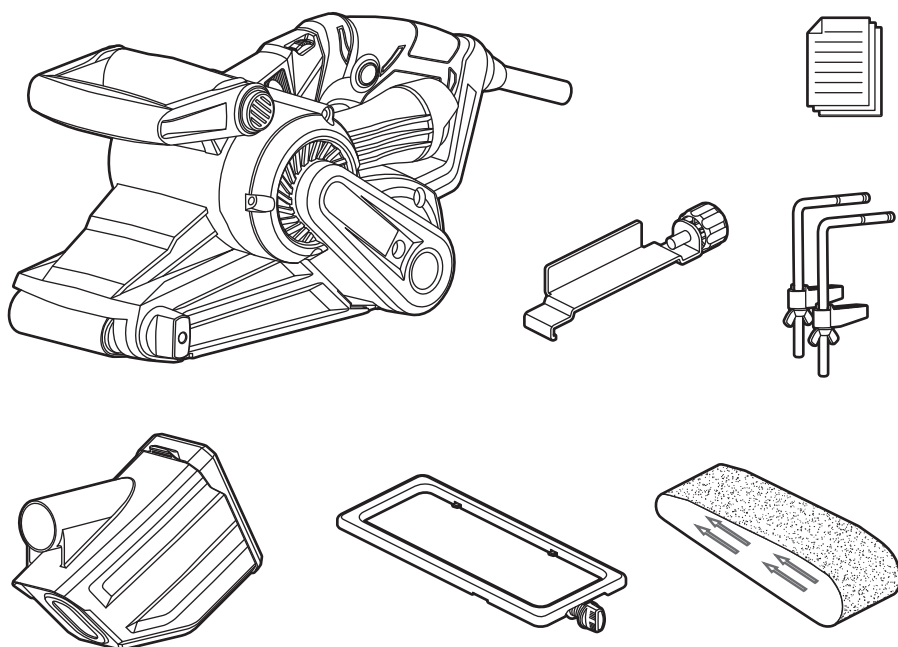
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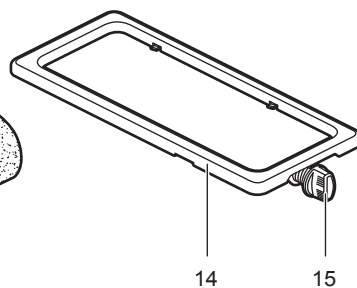
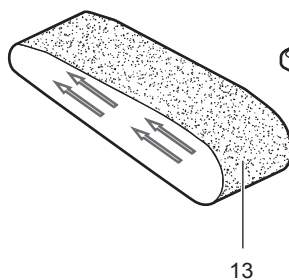
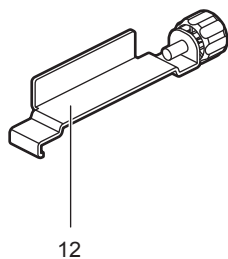
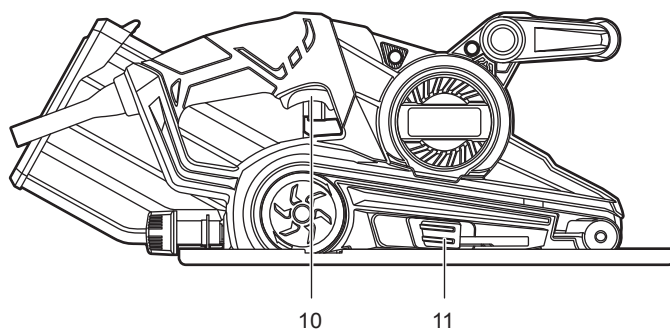
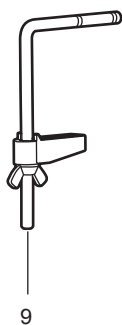
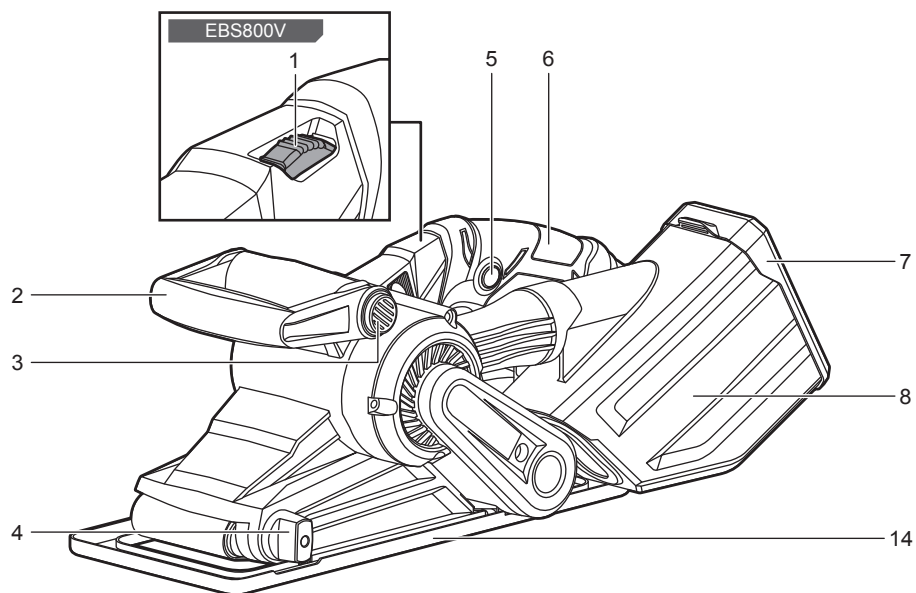
(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

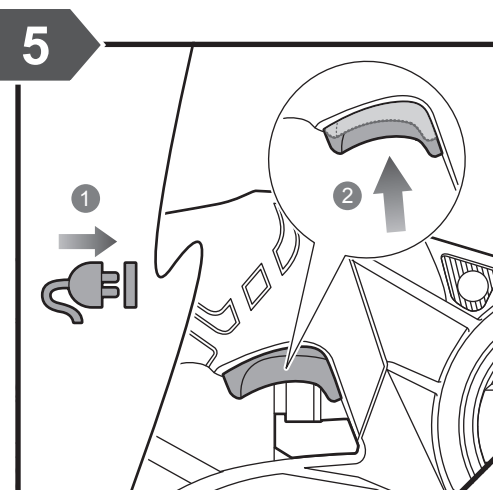
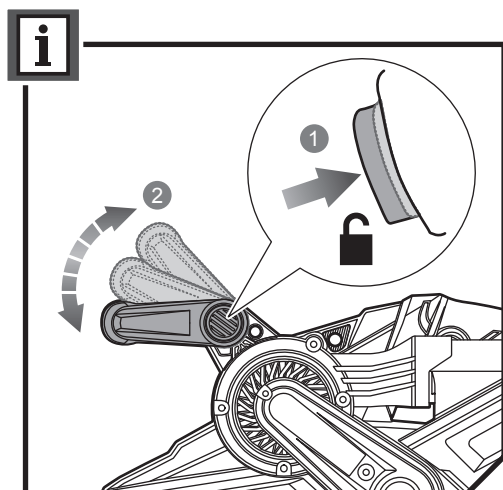
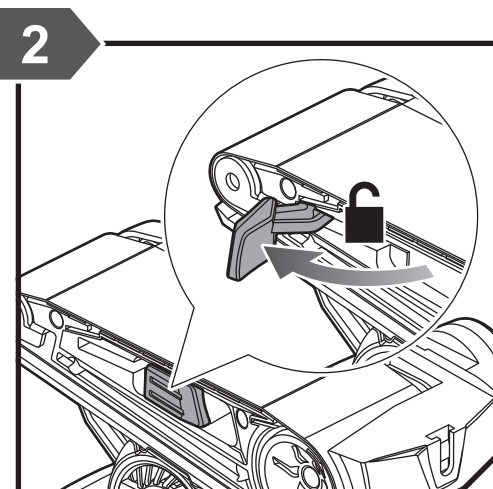
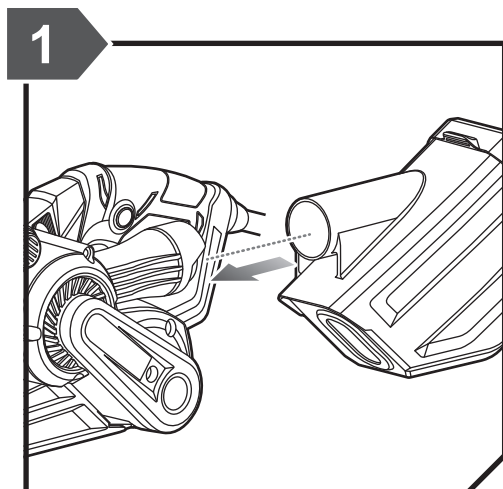
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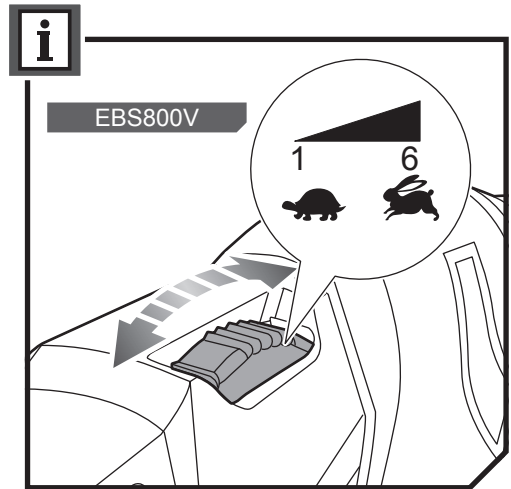
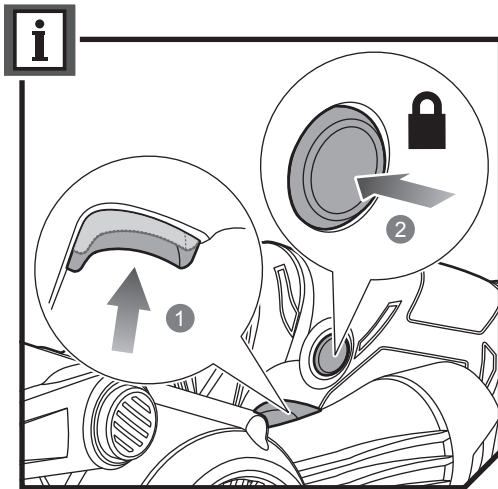
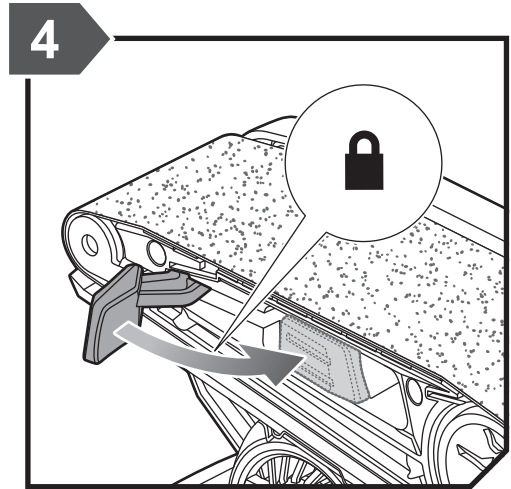
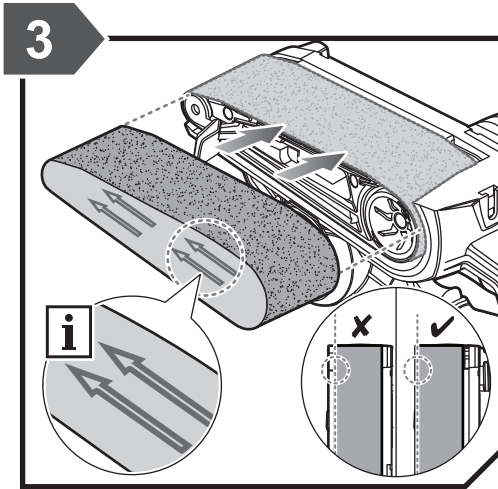


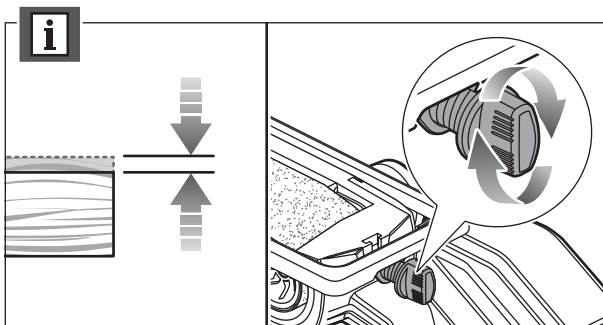
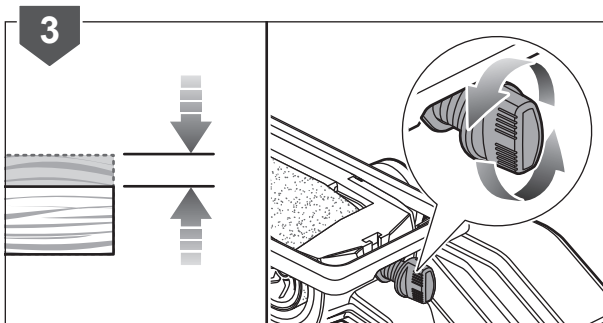
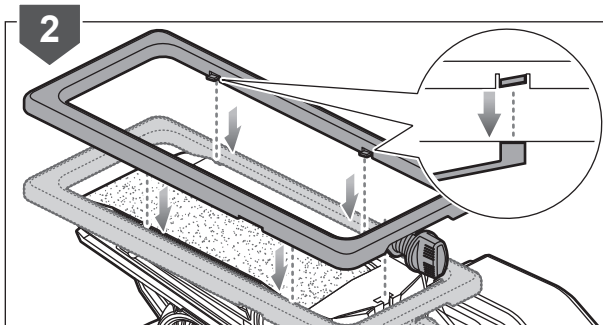
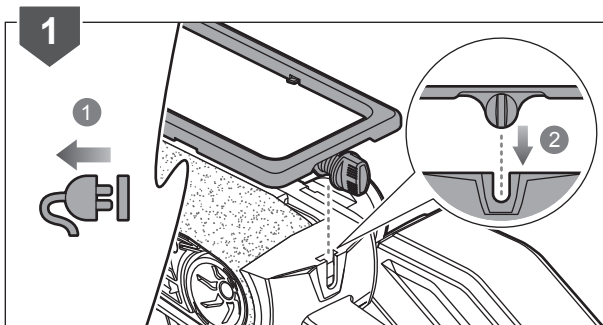
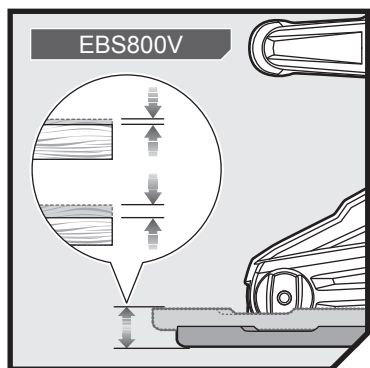
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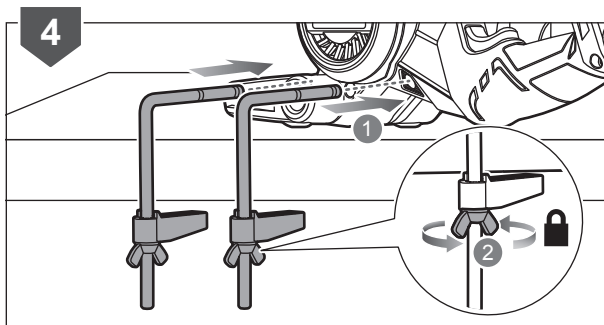
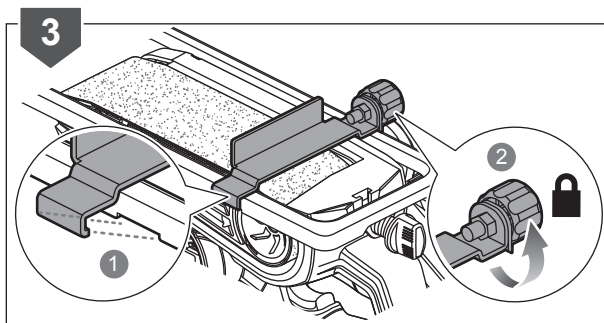
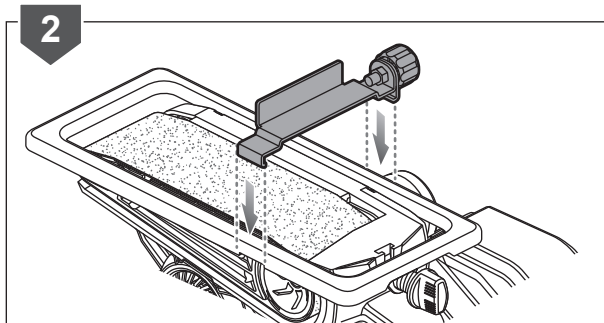
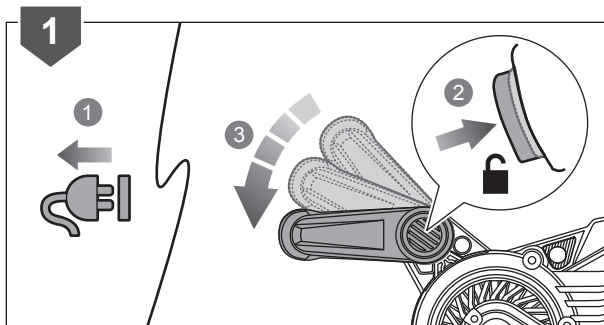
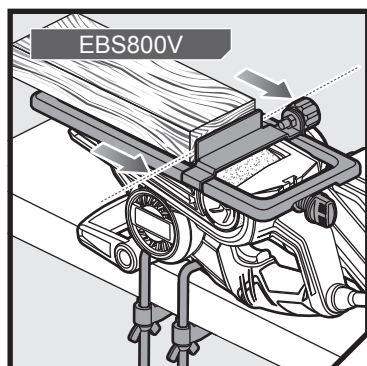


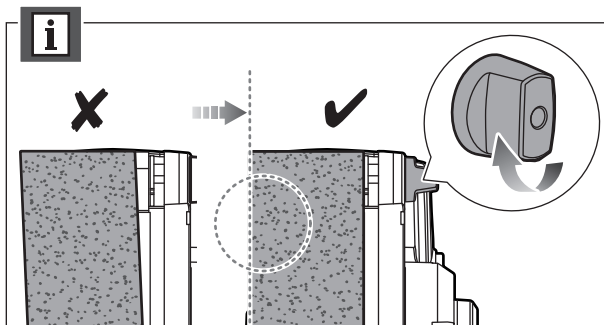
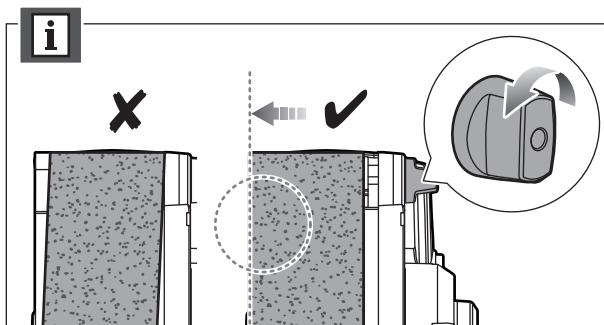
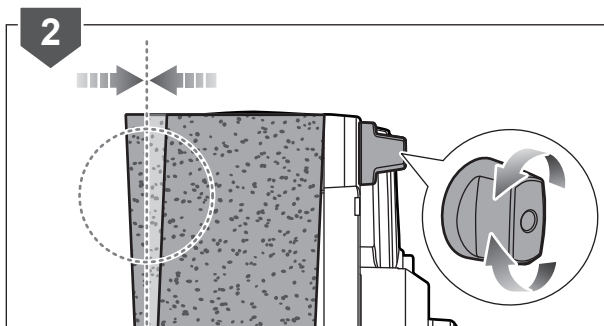
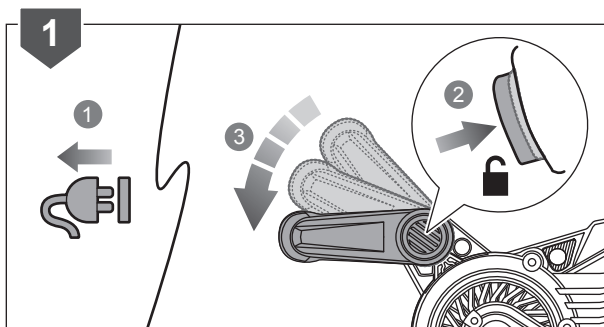
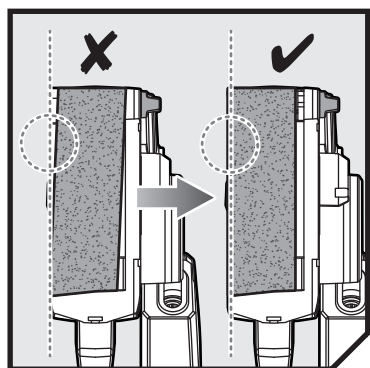


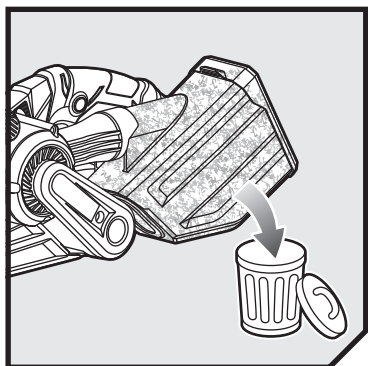




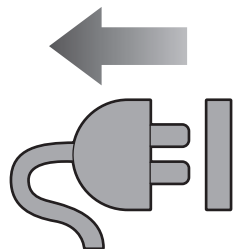




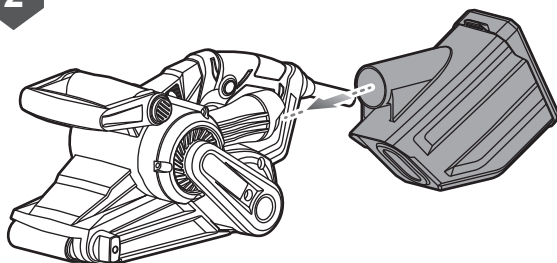




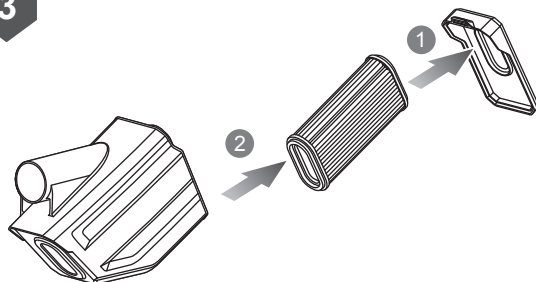
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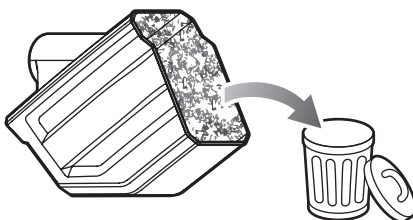
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PRODUCT SPECIFICATIONS

Belt sander

Model	EBS800	EBS800V
Rating	800W	800W
Voltage	220 V - 240 V ~ 50/60 Hz	220 V - 240 V ~ 50/60 Hz
No-load speed	330 ±10% m/min	150 ±15% m/min - 330 ±10% m/min
Sanding area size	76 x 150 mm	76 x 150 mm
Sanding belt size	76 x 533 mm	76 x 533 mm
Weight (According to EPTA procedure 01/2014)	3.0 kg	3.5 kg

Measured sound values determined according to EN 62841:

A-weighted sound pressure level	$L_{pA} = 91.4 \text{ dB(A)}$	$L_{pA} = 91.4 \text{ dB(A)}$
Uncertainty K	$K_{pA} 3 \text{ dB(A)}$	$K_{pA} 3 \text{ dB(A)}$
A-weighted sound power level	$L_{WA} = 102.0 \text{ dB(A)}$	$L_{WA} = 102.0 \text{ dB(A)}$
Uncertainty K	$K_{WA} 3 \text{ dB(A)}$	$K_{WA} 3 \text{ dB(A)}$

Wear ear protectors.

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

Vibration emission value	$a_h \leq 2.5 \text{ m/s}^2$	$a_h \leq 2.5 \text{ m/s}^2$
Uncertainty K	1.5 m/s	1.5 m/s

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, organisation of work patterns.

RYOBI® WARRANTY APPLICATION CONDITIONS

In addition to any statutory rights resulting from the purchase, this product is covered by a warranty as stated below.

1. The warranty period is 24 months for consumers and commences on the date the product was purchased. This date has to be documented by an invoice or other proof of purchase. The product is designed and dedicated to consumer and private use only. So there is no warranty provided in case of professional or commercial use. This warranty applies only on new products.
2. There is a possibility to extend for a part of the range of power tools (AC/DC) the warranty period over the period described above using the registration on the www.ryobitools.eu website. The eligibility of products for extended warranty is clearly displayed in stores and / or on packaging and is contained within the product documentation. The end user is required to register his/her newly-acquired products online within 30 days from the date of purchase. The end user may register for the extended warranty in his/her country of residence if listed on the online registration form where this option is valid. Furthermore, end users must give their consent to the storage of their personal data that is required to be entered online. They must also accept the terms and conditions. The registration confirmation receipt, which is sent out by e-mail, and the original invoice showing the date of purchase will serve as proof of the extended warranty.
3. The warranty covers all defects of the product during the warranty period due to faults in workmanship or material at the purchase date. The warranty is limited to repair and/or replacement and does not include any other obligations including but not limited to incidental or consequential damages. The warranty is not valid if the product has been misused, used contrary to the instruction manual, or has been incorrectly connected to a power supply. This warranty does not apply to:
 - any damage to the product that is the result of improper or lack of maintenance
 - any product that has been altered or modified
 - any product where original identification (trade mark, serial number) markings have been defaced, altered or removed
 - any damage caused by non-observance of the instruction manual
 - any product not displaying the CE approval mark on the rating plate
 - any product that has been attempted to be repaired by a non-authorised warranty service centre or without prior authorisation by Techtronic Industries
 - any product connected to an improper power supply (amps, voltage, frequency)
 - any damage caused by external influences (water, chemical, physical, shocks) or foreign substances
 - normal wear and tear spare parts
 - inappropriate use, overloading of the tool
 - use of non-approved accessories or parts
 - Power tool accessories provided with the tool or purchased separately. including but not limited to screw driver bits, drill bits, abrasive discs, sand paper and blades, lateral guide etc.
 - Components (parts and accessories) subject to natural wear and tear, including but not limited to Service & Maintenance Kits, carbon brushes, bearings, chuck, SDS drill bit attachment or reception, power cord, auxiliary handle, transport carry case, sanding plate, dust bag, dust exhaust tube, felt washers, impact wrench pins & springs, etc.
4. For servicing, the product must be sent or presented to a RYOBI authorised service station listed for each country in the following list of service station addresses. In some countries your local RYOBI dealer undertakes to send the product to the RYOBI service organisation. When sending a product to a RYOBI service station, the product should be safely packed without any dangerous contents such as petrol, marked with sender's address and accompanied by a short description of the fault.
5. A repair / replacement under this warranty is free of charge. It does not constitute an extension or a new start of the warranty period. Exchanged parts or products become our property. In some countries delivery charges or postage will have to be paid by the sender. Your statutory rights arising from the purchase of the product remain unaffected.
6. This warranty is valid in the European Community, Switzerland, Iceland, Norway, Liechtenstein, Turkey and Russia. Outside these areas, please contact your authorised RYOBI dealer to determine if another warranty applies.

AUTHORISED SERVICE CENTRES

ACD PLANT LTD

145 Southbank Road
Coundon
Coventry, West Midlands
CV6 1FG
Phone: 02476 594348
Email: danmcgunigle@acdplant.co.uk
Web: www.acdplant.co.uk

CBS Power Tools Limited

Unit 4, V P Square
Storeys Bar Rd, Fengate
Peterborough, Cambridgeshire
PE1 5YS
Phone: 01733 343031
Email: steve@cbspowertools.co.uk
Web: www.cbspowertools.com

C D Powertools

76 Old Road
Churwell Morley, Leeds
LS27 7TH
Phone: 0113 2718494
Email: info@cdpowertools.co.uk
Web : www.cdpowertools.co.uk

C J Sinclair Limited

44 Victoria Road
St Peters
Broadstairs, Kent
CT10 2UG
Phone: 01843 869400
Email: repairs@cjsinclairltd.co.uk
Web: www.cjsinclairltd.co.uk

Powertech Ind Ltd

Unit 2C, Ellison Road
Norwood Ind, Killamarsh
Sheffield, South Yorkshire
S21 2JG
Phone: 01142 474080
Email: stores@powertech-industrial.co.uk
Web: www.powertech-industrial.co.uk

RYCKO Technical Services LTD

104 Green Lane
St Albans, Herts
AL3 6EX
Phone: 08458 678790
Email: info@ryckotechnical.com
Web: www.ryckotechnical.com

ToolTech Industrial Equipment

227 E Dunhill Road, Macosquin
Coleraine, Co Londonderry
BT514LQ
Phone: 028 70359493
Email: john@tooltech.org.uk

For an updated list of authorised service centres, visit <http://uk.ryobitools.eu/header/service-and-support/service-agents>.

DECLARATION OF CONFORMITY

Techtronic Industries GmbH
Max-Eyth-Straße 10, 71364 Winnenden, Germany

Herewith we declare that the product

Belt Sander
Brand: RYOBI
Model number: EBS800 / EBS800V
Serial number range:
EBS800: 44413304000001-44413304999999
EBS800V: 44413504000001-44413504999999

is in conformity with the following European Directives and harmonised standards

2006/42/EC, 2014/30/EU, 2011/65/EU
EN 55014-1:2017, EN55014-2:2015, EN61000-3-2:2014, EN61000-3-3:2013,
EN 62841-1:2015, EN 62841-2-4:2014

RoHS documentation is compiled according to EN 50581:2012



Todd Chipner
Sr. Director, Regulatory & Safety
Winnenden, Jan. 31, 2019



Authorised to compile the technical file:
Alexander Krug, Managing Director
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71364 Winnenden, Germany

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