



English (*original instructions*)

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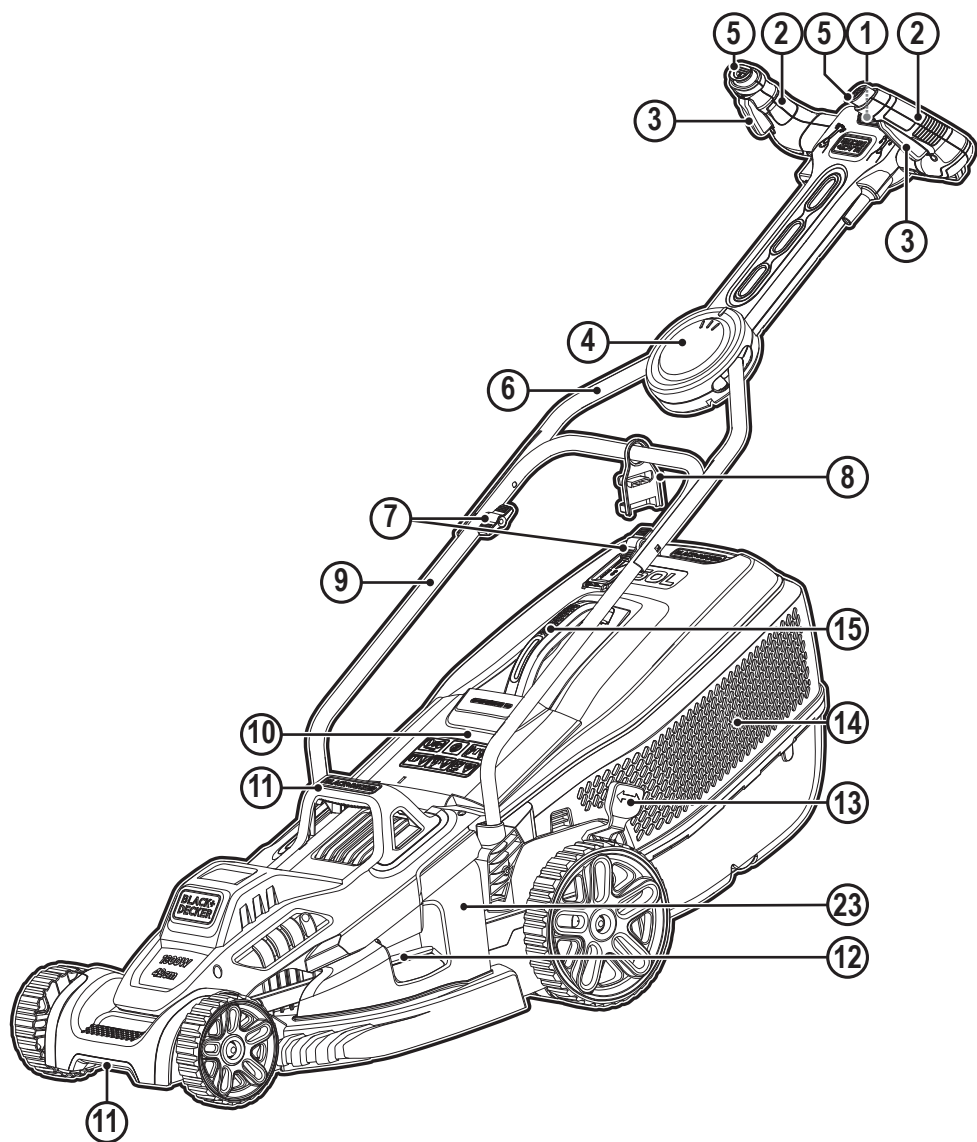


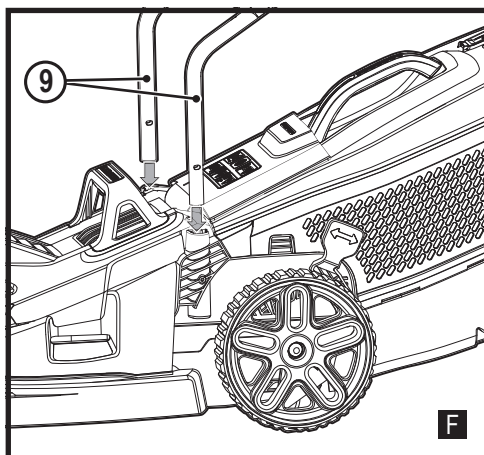
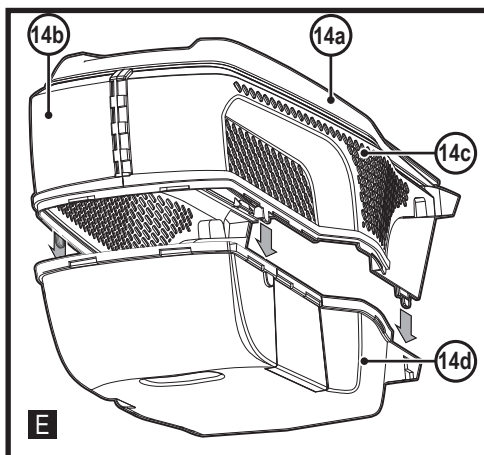
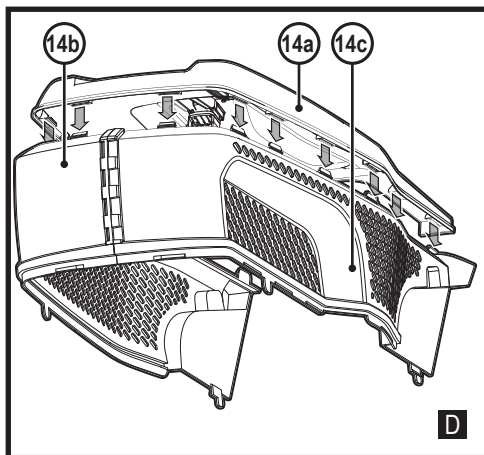
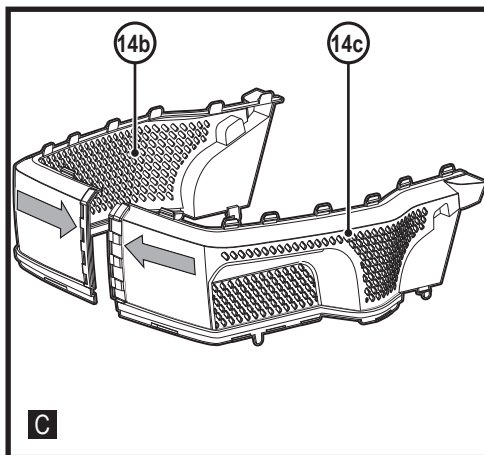
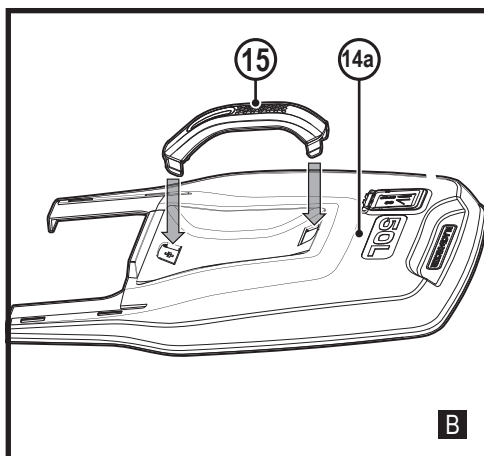
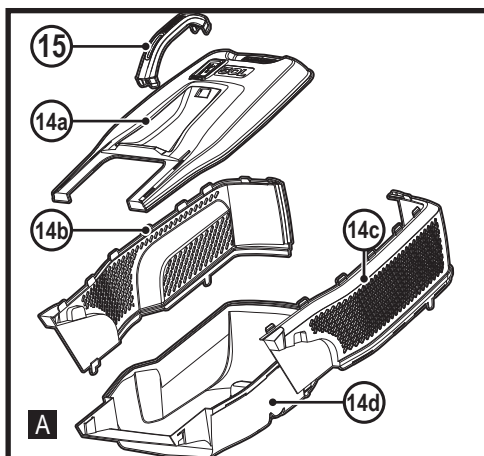
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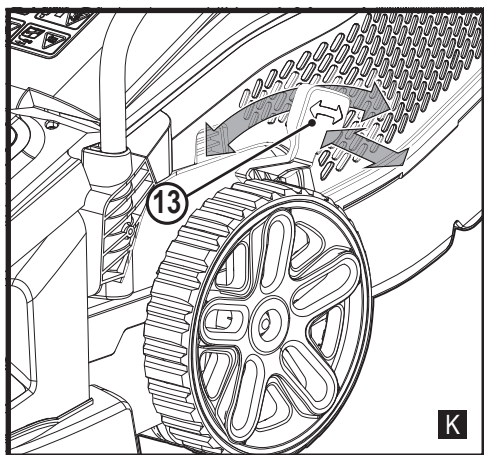
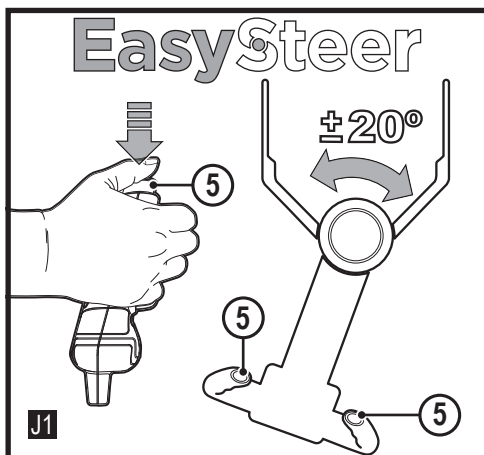
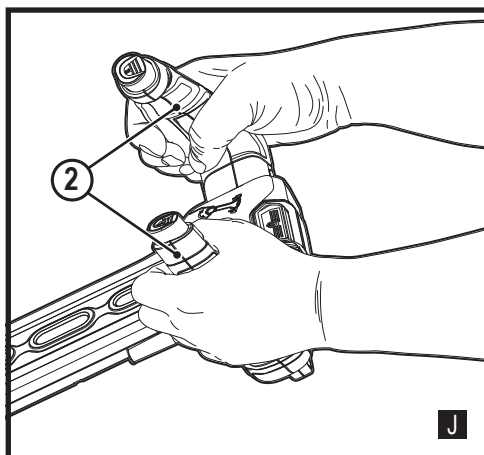
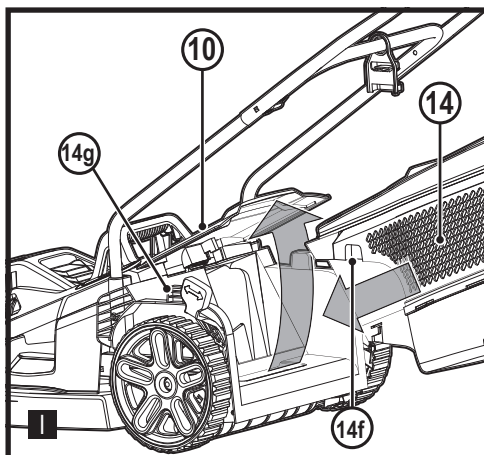
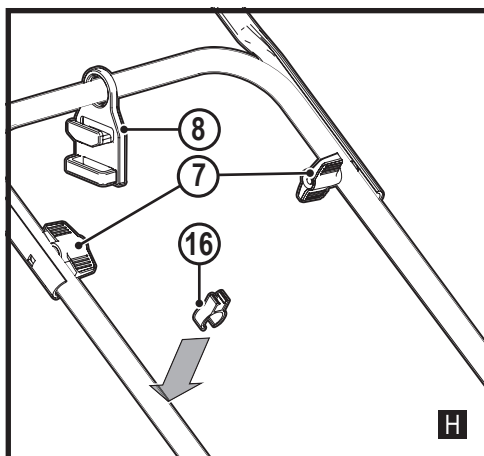
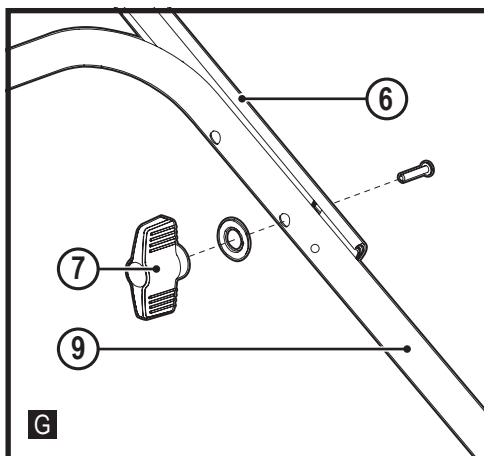
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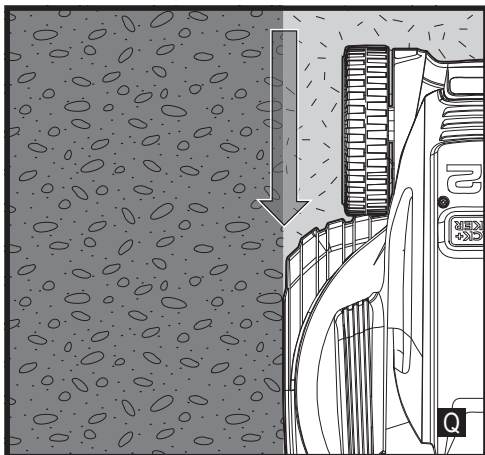
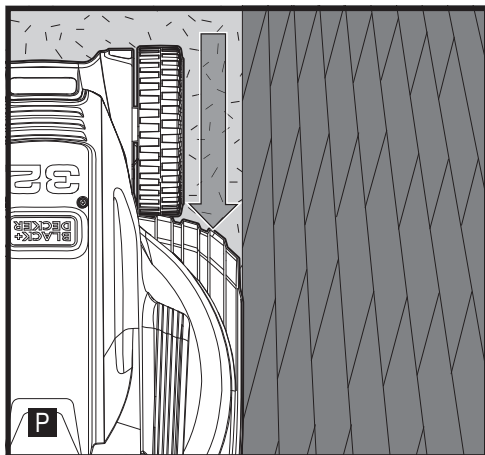
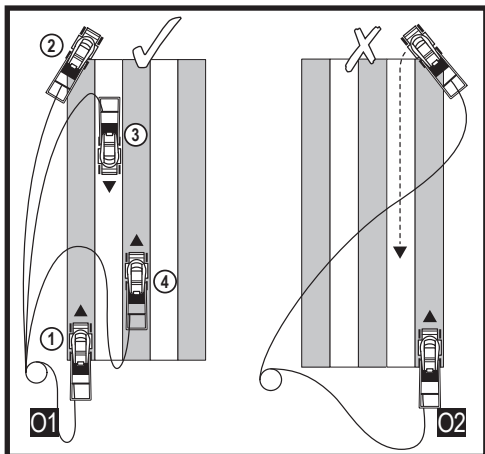
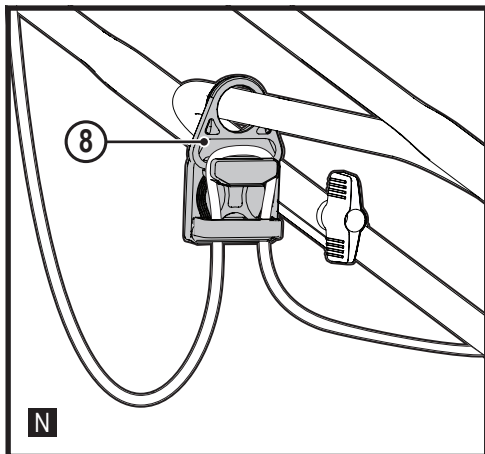
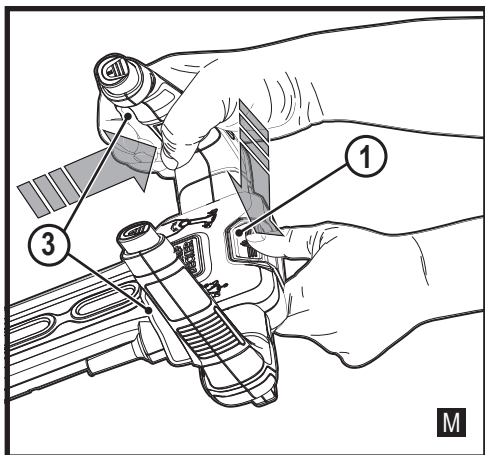
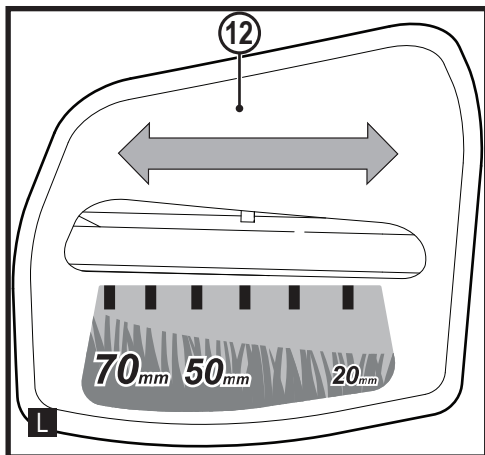
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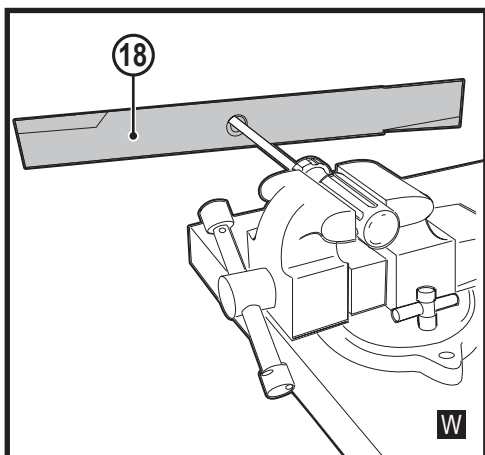
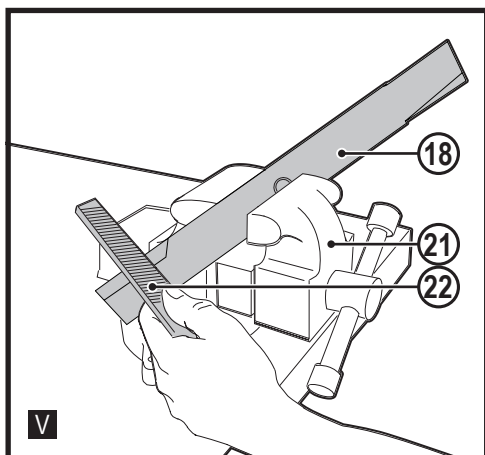
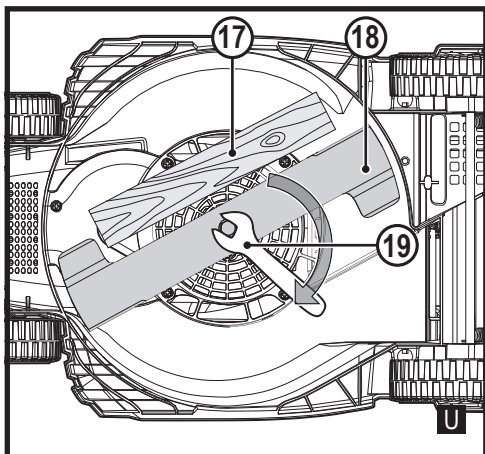
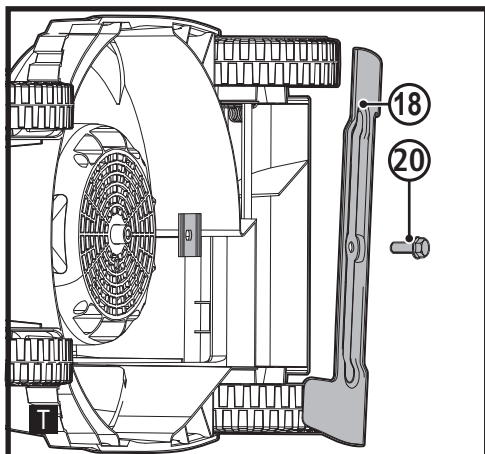
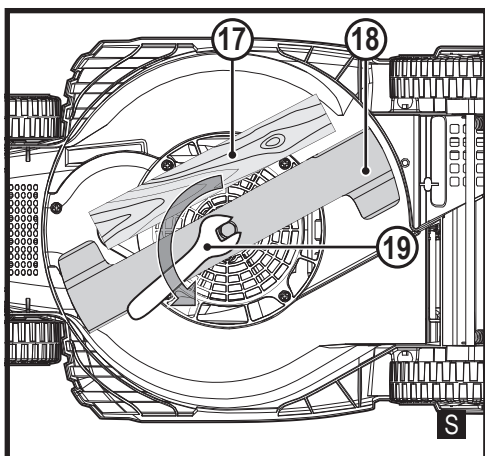
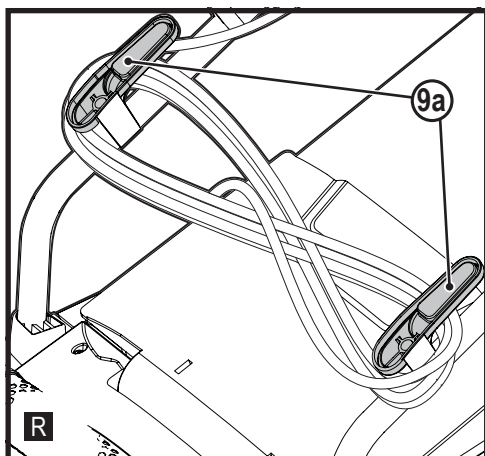
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Documents Available Online

www.2helpU.com/DoC/ or
www.2helpU.com/DoC/index/xxx*

*For direct access, replace "xxx" with the product's model number given on the product rating label or packaging.

- Instruction Manual
- Declaration of Conformity (DoC)
- Product Emission Data (PED): Information about Noise, Vibration and Dust (not applicable for all products)



Technical Data

		BEMW471ES GB/QS	BEMW481ES GB/QS
Type		2	1
Voltage	V _{AC}	230	230
Frequency	Hz	50	50
Power input	W	1600	1800
No-Load speed	/min	3500	3500
Height adjustment	mm	20–70	20–70
Blade length	cm	38	42
IP information	IPX4*		
Weight	kg	17/16	17/16

*The lawnmower has been tested to be safe when exposed to rain for a short period of time. If the lawnmower becomes wet, disconnect the power supply, dry the lawnmower, and carefully check for functionality. If the lawnmower does not function, allow the machine to dry fully before checking functionality again.

INTENDED USE

Your BLACK+DECKER® BEMW471ES, BEMW481ES lawn mowers have been designed for mowing grass. These appliances are intended for household use only.

SAFETY INSTRUCTIONS

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 all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

1. 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.

2. 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.

3. 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, 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 dust collection can reduce dust-related hazards.
 - h. **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.
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 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.
 - 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 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.
 - 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, 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.
 - h. **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.
5. **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.

- **Do not use the lawnmower in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.
- **Thoroughly inspect the area for wildlife where the lawnmower is to be used.** Wildlife may be injured by the lawnmower during operation.
- **Thoroughly inspect the area where the lawnmower is to be used and remove all stones, sticks, wires, bones, and other foreign objects.** Thrown objects can cause personal injury.
- **Before using the lawnmower, always visually inspect to see that the blade and the blade assembly are not worn or damaged.** Worn or damaged parts increase the risk of injury.
- **Before use, check the supply cord and any extension cord for signs of damage or aging. Do not use the lawnmower if the cord is damaged or worn.** If the cord is damaged or worn during use, switch off the lawnmower and do not touch the cord before disconnecting it from the supply. A damaged supply cord or extension cord may result in electric shock, fire and/or serious injury.
- **Check the grass catcher frequently for wear or deterioration.** A worn or damaged grass catcher may increase the risk of personal injury.
- **Keep guards in place. Guards must be in working order and be properly mounted.** A guard that is loose, damaged, or is not functioning correctly may result in personal injury.
- **Keep all cooling air inlets clear of debris.** Blocked air inlets and debris may result in overheating or risk of fire.
- **While operating the lawnmower, always wear non-slip and protective footwear. Do not operate the lawnmower when barefoot or wearing open sandals.** This reduces the chance of injury to the feet from contact with the moving blade.
- **While operating the lawnmower, always wear long trousers.** Exposed skin increases the likelihood of injury from thrown objects.
- **Do not operate the lawnmower in wet grass. Walk, never run.** This reduces the risk of slipping and falling which may result in personal injury.
- **Do not operate the lawnmower on excessively steep slopes.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- **When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- **Use extreme caution when reversing or pulling the lawnmower towards you.** Always be aware of your surroundings. This reduces the risk of tripping during operation.

Additional Power Tool Safety Warnings



WARNING! Additional Safety Warnings for Lawnmowers.

- **Keep the supply cord away from the cutting blades.** A damaged supply cord may result in electric shock, fire and/or serious injury.
- **Switch off and remove plug from mains if the cord is entangled or damaged.** Entangled or damaged cords can increase the risk of electric shock.
- **Do not touch blades and other hazardous moving parts while they are still in motion.** This reduces the risk of injury from moving parts.
- **When clearing jammed material or cleaning the lawnmower, make sure all power switches are off and the battery pack is disconnected.** Unexpected operation of the lawnmower may result in serious personal injury.
- **Stop the lawnmower, and remove the safety key and detachable battery pack(s), make sure that all moving parts have come to a complete stop:**
 - After striking a foreign object, and to inspect the lawnmower for damage and make repairs before restarting and operating the lawnmower.
 - If the lawnmower starts to vibrate abnormally, and then to immediately inspect for damage, replace or repair any damaged parts and to check for and tighten any loose parts.
- Stop the cutting means if the lawnmower has to be tilted for transportation when crossing surfaces other than grass and when transporting the lawnmower to and from the area to be used.
- Do not tilt the lawnmower when switching on the motor.
- Empty the grass catcher before storage.
- The appliance is not to be used as a toy.
- Do not allow children or animals to come near the work area or touch the appliance or power supply cord.
- Close supervision is necessary when the appliance is used near children.
- Use in a dry location only. Do not allow the appliance to become wet. Do not immerse the appliance in water.
- Do not open body casing. There are no user serviceable parts inside.
- Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- To reduce the risk of damage to plugs and cords never pull the cable to remove the plug from a socket.
- Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.
- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- Never operate the machine while people, especially children, or pets are nearby.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

Safety Instructions

▲ WARNING! When using corded/cordless appliances, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock, personal injury and material damage.

▲ WARNING! When using the machine the safety rules must be followed. For your own safety and bystanders please read these instructions before operating the machine. Please keep the instructions safe for later use.

- Read all of this manual carefully before operating the appliance.
- The intended use is described in this manual. The use of any accessory or attachment or the performance of any operation with this appliance other than those recommended in this instruction manual may present a risk of personal injury.
- Retain this manual for future reference.

Using Your Appliance

▲ WARNING! Do not store or use the tool in locations where the temperature may fall below 4 °C (39.2 °F) (such as outside sheds or metal buildings in winter), or reach or exceed 40 °C (104 °F) (such as outside sheds or metal buildings in summer).

Always take care when using the appliance.

- This appliance is not intended for use by young or infirm persons without supervision.

Before Use

- While operating the machine always wear substantial footwear and long trousers. Do not operate the machine when barefoot or wearing open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties.
- Thoroughly inspect the area where the machine is to be used and remove all objects which can be thrown by the machine.
- Before using, always visually inspect to see that the blade, blade bolt and the blade assembly are not worn or damaged. Replace worn or damaged components in sets to preserve balance. Replace damaged or unreadable labels.

After Use

- When not in use, the appliance should be stored in a dry, well ventilated place out of the reach of children.
- Children should not have access to stored appliances.
- When the appliance is stored or transported in a vehicle it should be placed in the boot or restrained to prevent movement following sudden changes in speed or direction.

Inspection and Repairs

- Before use, check the appliance for damaged or defective parts. Check for breakage of parts, damage to switches

and any other conditions that may affect its operation.

- Do not use the appliance if any part is damaged or defective.
- Have any damaged or defective parts repaired or replaced by an authorised repair agent.
- Never attempt to remove or replace any parts other than those specified in this manual.
- Be careful during adjustment of the mower to prevent entrapment of the fingers between moving blades/parts and fixed parts of the machine.
- When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.

Additional Safety Instructions for Lawn Mowers

- Do not transport the machine while the power source is running.
- Firmly grip handle with both hands when operating the lawn mower.
- If at any time it is felt necessary to tilt the lawn mower, make sure that both hands remain in the operating position while the lawn mower is tilted. Keep both hands in the operating position until the lawn mower is returned to rest correctly on the ground.
- Never wear radio or music headphones while operating the lawn mower.
- Never attempt to make a wheel height adjustment while the motor is running or while the safety key is in the switch housing.
- If the lawn mower stalls, release bail bar to turn mower off, wait for blade to stop, before attempting to unclog the chute or remove anything from under the deck.
- Keep hands and feet away from cutting area.
- Keep blades sharp. Always use protective gloves when handling the lawn mower blade.
- If you are using the grass collector, check it frequently for wear and deterioration.
- If excessively worn, replace with a new grass collector for your safety.
- Use extreme caution when reversing or pulling the lawn mower towards you.
- Do not put hands or feet near or under the lawn mower. Keep clear of the discharger opening at all times.
- Clear the area where the lawn mower is to be used of objects such as rocks, sticks, wire, toys, bones etc., which could be thrown by the blade.
Objects struck by the blade can cause severe injury to persons. Stay behind the handle when the motor is running.
- Do not operate the lawn mower barefooted or while wearing sandals. Always wear substantial footwear.
- Do not pull lawn mower backward unless absolutely necessary. Always look down and behind before and while moving backward.

- Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Release the bail bar to turn the lawn mower off and stop the blade when crossing gravel surfaces.
- Do not operate the lawn mower without the entire grass collector, discharge guard, rear guard, or other safety protective devices in place and working. Periodically check all guards and safety protective devices to ensure they are in good working order and will operate properly and perform their intended function.
- Replace a damaged guard or other safety device before further use.
- Never leave a running lawn mower unattended.
- Always release the bail bar to stop the motor and wait until the blade comes to a complete stop before cleaning the lawn mower, removing the grass bag, unclogging the discharge guard, when leaving the lawn mower, or before making any adjustments, repairs or inspections.
- Operate lawn mower only in daylight or good artificial light when objects in the path of the blade are clearly visible from the operating area of the lawn mower.
- Do not operate the lawn mower while under the influence of alcohol or drugs, or when you are tired or ill. Always stay alert, watch what you are doing, and use common sense.
- Avoid dangerous environments. Never operate the lawn mower in damp or wet grass, never use lawn mower in the rain. Always be sure of your footing, walk, never run.
- If the lawn mower should start to vibrate abnormally, release the bail bar, wait for the blade to stop and then check for the cause immediately. Vibration is generally a warning of trouble, see the troubleshooting guide for advice in the case of abnormal vibration.
- Always wear proper eye and respiratory protection when operating the lawn mower.
- The use of any accessory or attachment not recommended for use with this lawn mower could be hazardous. Only use accessories approved by BLACK+DECKER.
- Never overreach while operating the lawn mower. Always be sure to keep proper footing and balance at all times while operating the lawn mower.
- Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes.
- Watch for holes, ruts, bumps, rocks or other hidden objects. Uneven terrain could cause a slip and fall accident. Tall grass can hide obstacles.
- Do not mow on wet grass or excessively steep slopes. Poor footing could cause a slip and fall accident.
- Do not mow near drop-offs, ditches, or embankments. You could lose your footing or balance.
- Always allow the mower to cool down before storing.
- Pull the plug from the socket and pull the battery pack

from the machine. Make sure that all moving parts have come to a complete stop:

- Whenever you leave the machine;
- Before clearing a blockage;
- Before checking, cleaning or working on the appliance.

Safety of Others

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children must be supervised to ensure that they do not play with the appliance.
- After striking a foreign object. Inspect the appliance for damage and make repairs as necessary.

Residual Risks

Additional residual risks may arise when using the tool which may not be included in the enclosed safety warnings. These risks can arise from misuse, prolonged use etc.

Even with the application of the relevant safety regulations and the implementation of safety devices, certain residual risks can not be avoided. These include:

- Injuries caused by touching any rotating/moving parts.
- Injuries caused when changing any parts, blades or accessories.
- Injuries caused by prolonged use of a tool. When using any tool for prolonged periods ensure you take regular breaks.
- Impairment of hearing.
- Health hazards caused by breathing dust developed when using your tool.
- If operating the mower in a damp location is unavoidable, use a residual current device (RCD) with a tripping current of not more than 30 mA.
Use of an RCD reduces the risk of electric shock.
- Never pick up or carry an appliance while the motor is running.

Warning Symbols

The following warning symbols are found on the appliance along with the production date code (24):

The production date code (24) consists of a 4-digit year followed by a 2-digit week and is extended by a 2-digit factory code.



WARNING! To reduce the risk of injury, the user must read the instruction manual.



Do not expose the appliance to rain or high humidity.



Beware of sharp blades. Blades continue to rotate after the motor is switched off. Remove plug from mains before maintenance or if cord is damaged.



Beware of flying objects. Keep bystanders away from the cutting area.



Keep the cable away from the cutting blades.



Wear ear protection.



Directive 2000/14/EC guaranteed sound power.

Electrical Safety



This tool is double insulated; therefore no earth wire is required. Always check that the power supply corresponds to the voltage on the rating plate.

If the supply cord is damaged, it must be replaced by the manufacturer or an authorised BLACK+DECKER Service Centre in order to avoid a hazard.

FEATURES

This appliance includes some or all of the following features.

1. Power button
2. Comfort grip handles
3. On/off switches
4. EasySteer pivot control
5. EasySteer pivot control buttons
6. Upper handle
7. Handle knobs
8. Cable management system
9. Lower handle
10. Back flap
11. Carrying handles
12. Height adjustment gauge
13. Height adjustment lever
14. Grass box
15. Grass box handle
23. Production date code location

ASSEMBLY

▲ WARNING! Before assembly, make sure that the appliance is switched off and unplugged.

Assembling the Grass Collection Box (Fig. A–E)

The grass box requires assembly before use and comes in 5 pieces.

1. Clip the handle (15) into the lid (14a) of the grass box (Fig. B). The handle will only fit one way round.
2. Clip the 2 sides (14b) and (14c) of the grass collection box together. Make sure that all clips and guides are aligned (Fig. C).
3. Align the lid (14a) onto the assembled grass collection box. Ensure that the 10 guides are aligned (Fig. D).
4. Align the assembled sides onto the bottom (14d) of the grass collection box. Ensure that the 4 guides are aligned (Fig. E).
5. Push the 2 parts together. Apply even force around all edges of the grass collection box securing the clips into position uniformly. Check that each clip is fastened together securely.

Fitting the Lower Handle (Fig. F)

- Insert the ends of the lower handles (9) into the corresponding holes in the mower.
- Press the handle down as far as it will go.
- Secure the handle using the screws.

Assembling the Upper Handle (Fig. G)

- Fit the upper handle part to the lower handle using the handle knobs (7), washers and screws as shown.

Securing the Motor Cable (Fig. H)

- The motor cable has to be fixed using the cable restraint.
- Snap a restraint clip (16) around the cable and lower handle about 150 mm below the handle knob (7).

Fitting the Grass Collection Box (Fig. I)

- Lift the flap (10) and place the grass collection box (14) ensuring the recesses (14f) fit over the lugs (14g).

EasySteer (Fig. J1)

EasySteer Innovation - The innovative handle design easily moves from left to right at the push of a button, giving you precision control and manoeuvrability around your garden.

Adjusting the Height of Cut (Fig. K)

- The height of cut is adjusted by the central height adjust mechanism, there are 6 positions to choose from.
- Pull the height adjustment lever (13) away from the body of the unit.
- Move the lever towards the rear of the appliance to lower the height of cut.
- Move the lever towards the front of the appliance to raise the height of cut.
- Push the height adjustment lever into one of the 6 height locations.

NOTE: The height of cut can be viewed on the height of cut gauge (12) on the side of the unit.

OPERATION

Proper Hand Position (Fig. J)

▲ WARNING! To reduce the risk of serious personal injury, ALWAYS use proper hand position as shown.

▲ WARNING! To reduce the risk of serious personal injury, ALWAYS hold securely in anticipation of a sudden reaction.

Proper hand position requires one hand on each of the comfort grip handles (2).

Switching On and Off (Fig. M)

Switching on

- Push the power button (1).
- Pull the left or right ON/OFF switch (3) towards the handle.

Switching off

- Release ON/OFF switches (3).

▲ WARNING! Never attempt to lock a switch in the on position.

Mowing (Fig. N, O1, O2)

We recommend to use your mower as outlined in this section in order to achieve optimum results and to reduce the risk of cutting the mains cable.

- Loop the extension cord through the cable management system (8) as shown (Fig. N). Ensure you leave approximately 100 mm of cord between the power switch (1) and the cable management system.
- Ensure that the cable management system (BEMW471ES, BEMW481ES GB units only) can slide freely from one side to the other.
- Place the bulk of the mains cable on the lawn, close to the starting point (position 1 in Fig. O1).
- Switch the appliance on as described above.
- Proceed as shown in Fig. O1
- Move from position 1 to position 2.
- Turn right and proceed towards position 3. The cable management system will slide from one side to the other, ensuring the extension cord is kept away from the cutting blade.
- Turn left and move towards position 4.
- Repeat the above procedure as required.

▲ WARNING! Do not work towards the cable as shown in Fig. O2.

Up to Edge Cutting (Fig. P, Q)

- Up to edge cutting allows you to cut grass right up to the edge of a wall or fence (Fig P).
- Up to edge cutting allows you to accurately cut grass right up to the edge of your lawn (Fig Q).
- With the lawnmower parallel with the edge of your lawn, push the lawnmower along the edge of the lawn. Ensure that the edge of the mower is slightly over the edge of your lawn (Fig. Q).

Cable Tidy (Fig. R)

- Cable tidy stores cable when not in use. Only available on BEMW471ES GB, BEMW481ES GB units.

Removing Blade (Fig. S, T)

NOTE: BEMW471ES, BEMW481ES all use new winged blades which improves collection vs previous range of mowers. Blade accessories Cat # 38 cm A6321, 42 cm A6322.

⚠ WARNING! Ensure the blade has completely stopped and disconnect the mower from the power source.

- Cut a piece of 2x4 wood (17) 305 mm to keep blade from turning while removing flange nut.
- Turn the appliance onto its side. Wear gloves and proper eye protection. Be careful of sharp edges of blade.
- Position piece of wood (17) to keep blade from turning as shown in Fig. S.
- Use a 13 mm wrench (19) to loosen and remove the blade bolt by turning counterclockwise.
- Pull off blade (18) as shown in Fig. T. Examine all pieces for damage and replace if necessary.

Installing Blade (Fig. U)

- Place the blade (18) onto bolt shaft with the lettering on the blade facing out, and place the blade bolt (20) onto the bolt shaft.
- Tighten the blade bolt as firmly as possible by hand.
- Position piece of wood (17) to keep blade from turning as shown in Fig. U.
- Use a 13 mm wrench to securely tighten the blade bolt by turning the wrench clockwise.

Blade Sharpening

Keep blade sharp for best mower performance. A dull blade does not cut grass cleanly. Use proper eye protection while removing, sharpening, and installing blade. Sharpening the blade twice during a mowing season is usually sufficient under normal circumstances.

Sand causes the blade to dull quickly. If your lawn has sandy soil, more frequent sharpening may be required.

NOTE: Replace bent or damaged blade immediately.

When sharpening the blade:

- Make sure blade remains balanced.
- Sharpen blade at the original cutting angle.
- Sharpen cutting edges on both ends of blade, removing equal amounts of material from both ends.

To Sharpen Blade in a Vice (Fig. V)

- Be sure the blade has stopped and the mower is unplugged before removing the blade.
- Remove blade from mower. See instructions for removing and installing blade.
- Secure blade (18) in a vice (21).
- Wear proper eye protection and gloves and be careful not to cut yourself.

Carefully file the cutting edges of the blade with a fine tooth file (22) or sharpening stone, maintaining the angle of the original cutting edge. Check balance of blade. See instructions for blade balancing.

- Replace blade on mower and tighten securely.

Blade Balancing (Fig. W)

Check balance of the blade (18) by placing centre hole in the blade over a nail or round shank screwdriver, clamped horizontally in a vice. If either end of the blade rotates downward, file along the sharp edge of that dropping end. Blade is properly balanced when neither end drops.

Lubrication

No lubrication is necessary. Do not oil the wheels. They have plastic bearing surfaces which require no lubrication.

Cleaning

⚠ WARNING! Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.

⚠ WARNING! Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Turn the mower off and let the blade come to a stop. Use only mild soap and a damp cloth to clean the mower. Clean out any clippings which may have accumulated on the underside of the deck. After several uses, check all exposed fasteners for tightness.

Preventing Corrosion

Fertilizers and other garden chemicals contain agents which greatly accelerate the corrosion of metals.

If you mow in areas where fertilizers or chemicals have been used, the mower should be cleaned immediately afterward as follows:

Turn the mower off and unplug mower. Wipe all exposed parts with a damp cloth.

MAINTENANCE

Your BLACK+DECKER mower has been designed to operate over a long period of time with a minimum of maintenance.

Continuous satisfactory operation depends upon proper tool/appliance care and regular cleaning.

Please refer to the back page of this manual for service centre contact information, or visit www.2helpU.com.

⚠ WARNING! Before performing any maintenance on corded/cordless power tools:

- Switch off and unplug the appliance/tool.
- Or run the battery down completely if it is integral and then switch off.
- Unplug the charger before cleaning it. Your charger does not require any maintenance apart from regular cleaning.
- Regularly clean the ventilation slots in your tool/appliance and charger using a soft brush or dry cloth.
- Regularly clean the motor housing using a damp cloth. Do not use any abrasive or solvent-based cleaner.
- Regularly use a blunt scraper to remove grass and dirt from the underneath of the guard.

Troubleshooting

If your appliance seems not to operate properly, follow the instructions below. If this does not solve the problem, please contact your local BLACK+DECKER repair agent. Please refer to the back page of this manual for service center contact information, or visit www.2helpu.com.

⚠ WARNING! Before proceeding, release the bail bar to turn mower off and wait for the blade to stop.

Problem	Possible cause	Possible solution
Mower will not start.	Cord is not plugged in.	Plug mower into a working outlet.
	Circuit fuse is blown.	Replace circuit fuse. (If the product repeatedly causes the circuit fuse to blow, discontinue use immediately and have it serviced by an authorised BLACK+DECKER service center.
	Cord or switch is damaged.	Have cord or switch replaced at an authorised BLACK+DECKER service center.
	Grass too long.	Increase the height of cut and move machine to shorter grass to start.
Machine functions intermittently.	Thermal cut out activated.	Allow motor to cool and increase height of cut.
Machine leaves ragged finish or motor labours.	Height of cut too low.	Increase height of cut.
	Cutting blade blunt.	Replace the blade.
	Underside of machine clogged.	Check underneath the machine and clear out as necessary (always wear heavy duty gloves)
	Blade fitted upside down.	Refit blade correctly.

the territories of the Member States of the European Union and the European Free Trade Area.

To claim on the guarantee, the claim must be in accordance with Black & Decker Terms and Conditions and you will need to submit proof of purchase to the seller or an authorised repair agent.

Terms and conditions of the Black & Decker 2 year guarantee and the location of your nearest authorised repair agent can be obtained on the Internet at www.2helpu.com, or by contacting your local Black & Decker office at the address indicated in this manual.

Please visit our website www.blackanddecker.eu to register your new Black & Decker product and receive updates on new products and special offers.

Protecting the Environment



Products/batteries are recyclable, but if marked with the crossed-out bin, they must not be disposed of with normal household waste.

Run the batteries down completely and separate them, and separate any light sources from the product if possible.

It is the user's responsibility to delete personal data from the product.

Then take the waste to an official waste collection center or a participating retailer who will often accept it free of charge.

Packaging should be discarded based on the marked material code. Operating and safety instructions should only be discarded once the applicable product is no longer in use. Please check with your local community/municipality for waste management guidance. For further information, visit www.2helpu.com and scan the above QR code.

Guarantee

Black & Decker is confident of the quality of its products and offers consumers a 24 month guarantee from the date of purchase. This guarantee is in addition to and in no way prejudices your statutory rights. The guarantee is valid within

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