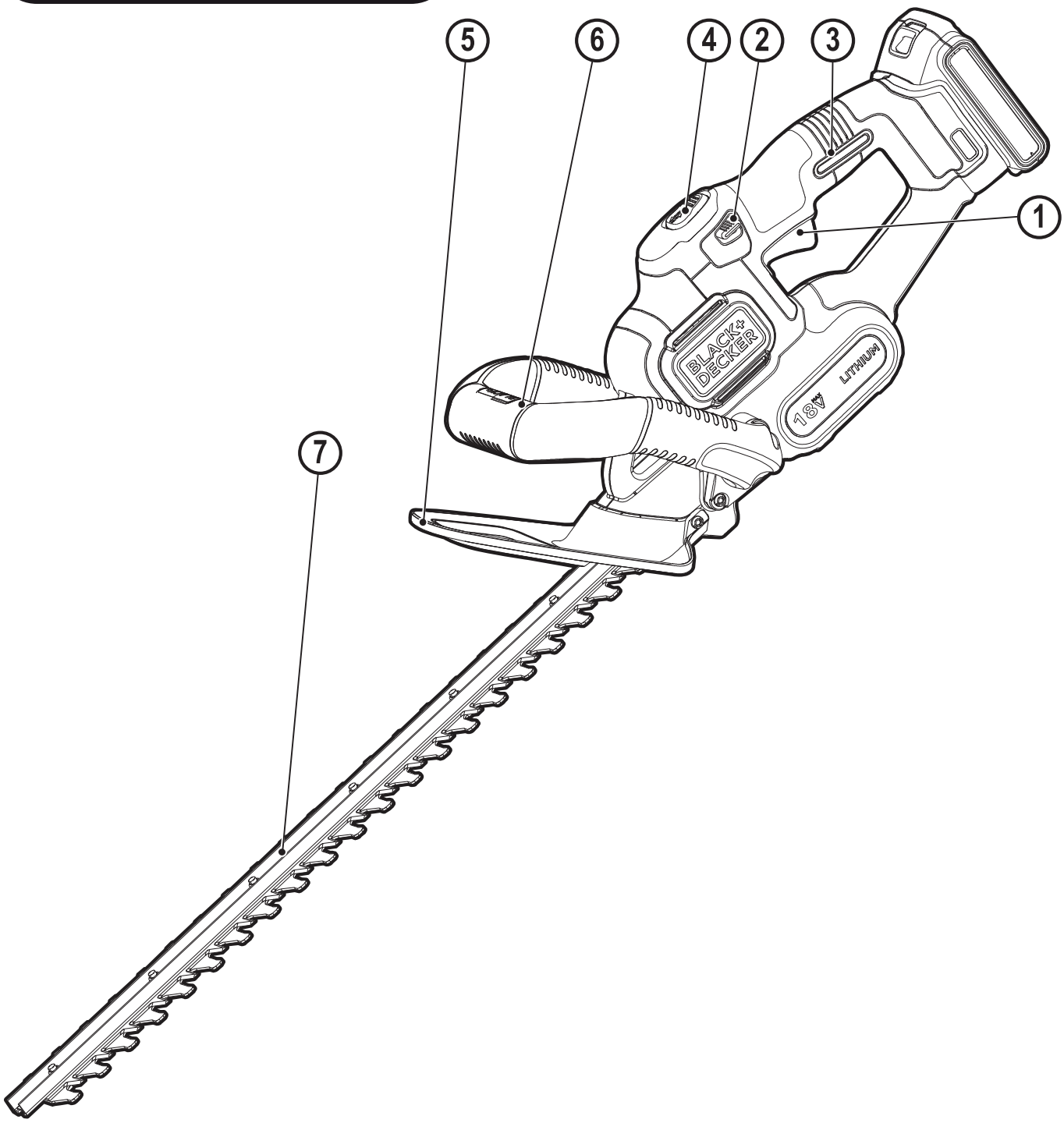
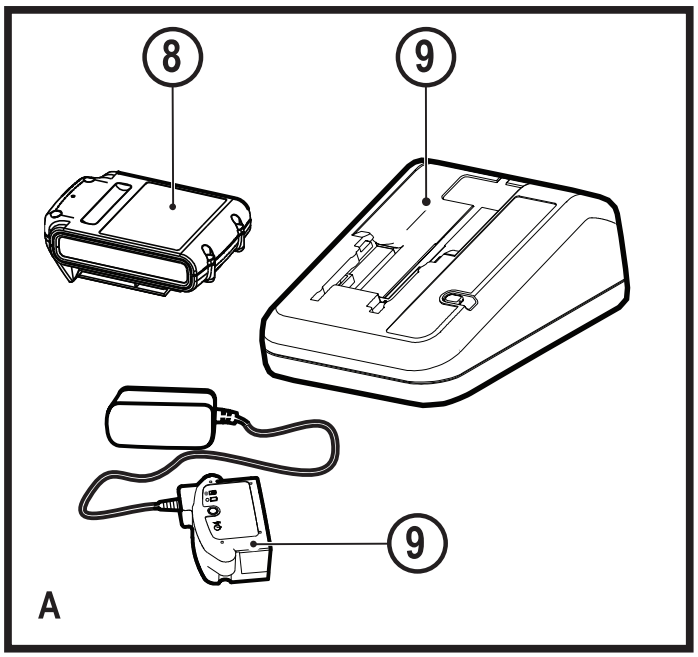
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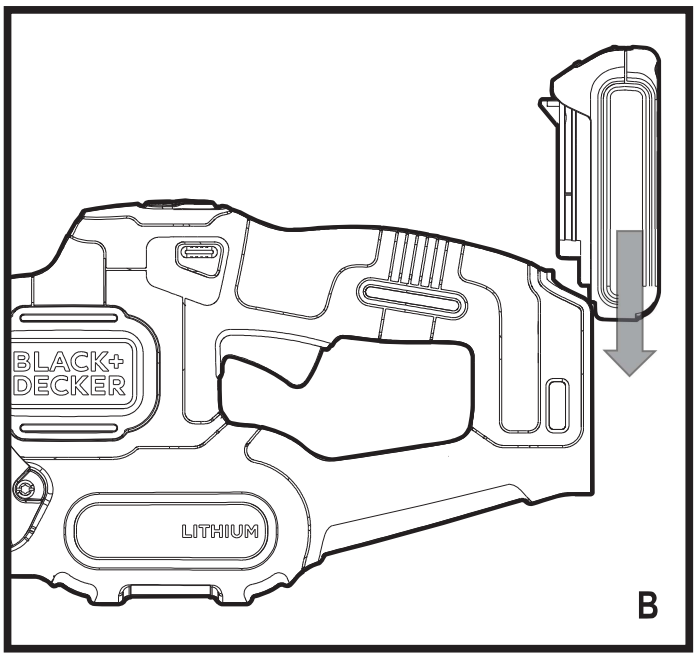
BLACK+ DECKER™

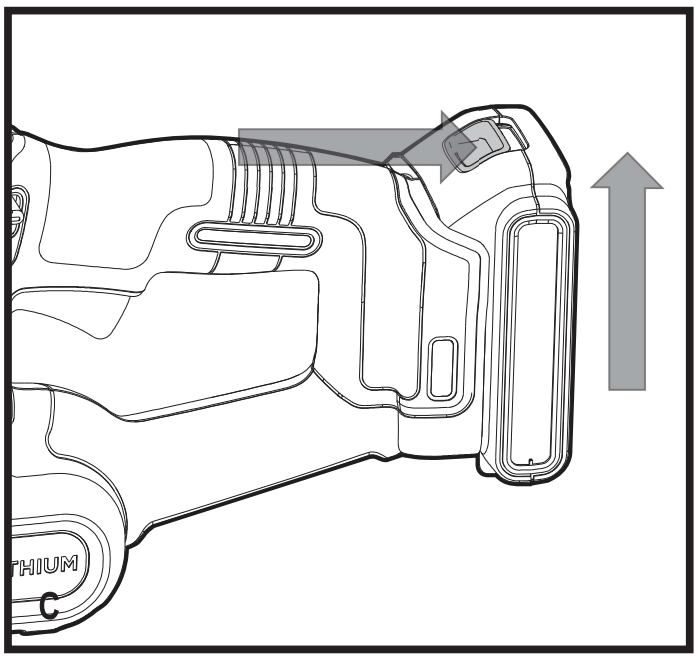


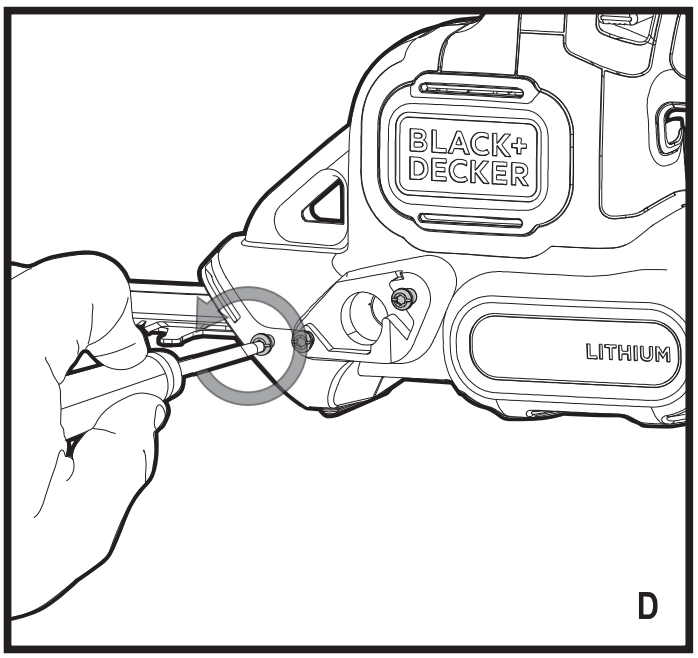
www.blackanddecker.co.uk

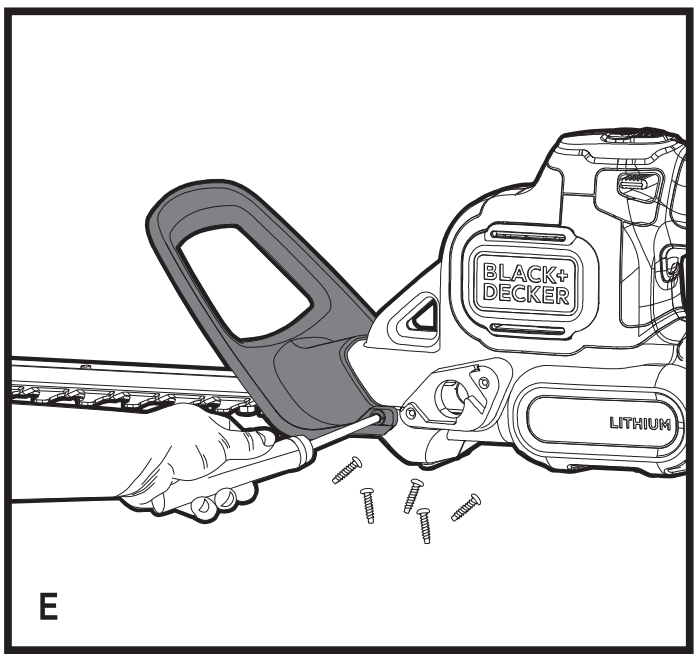
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GTC18502P
GTC18504P

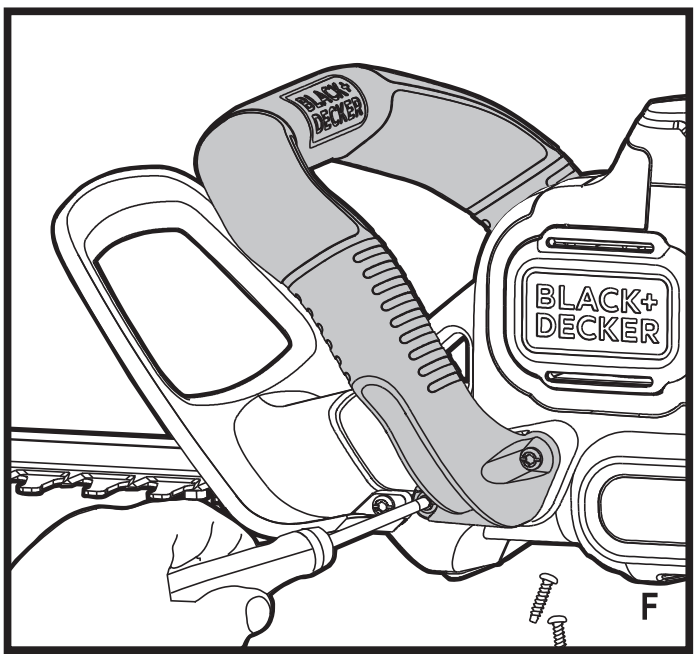

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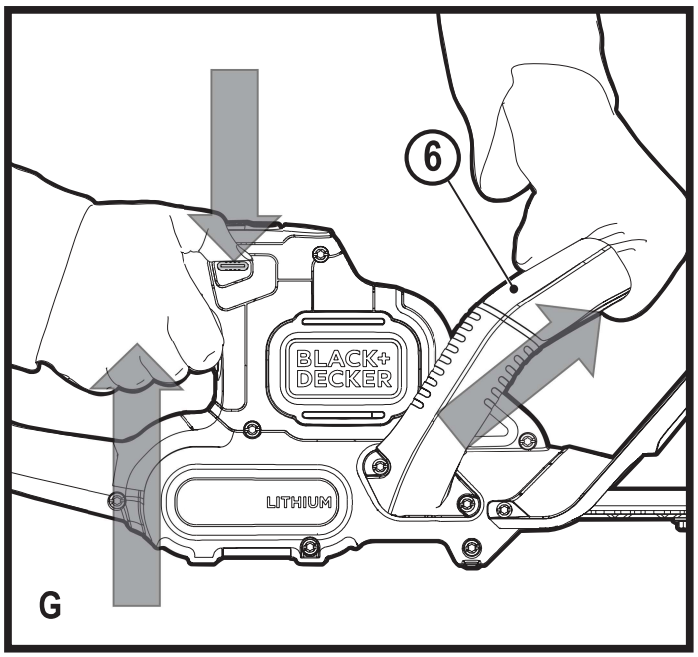

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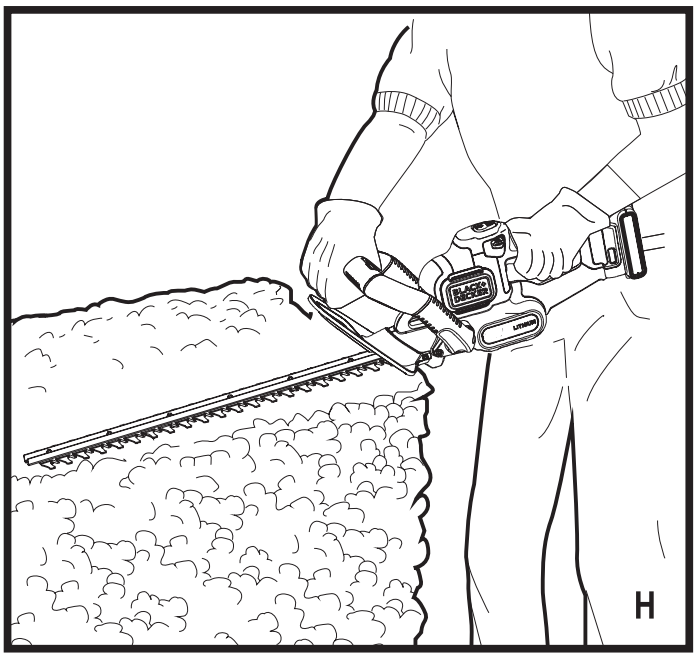

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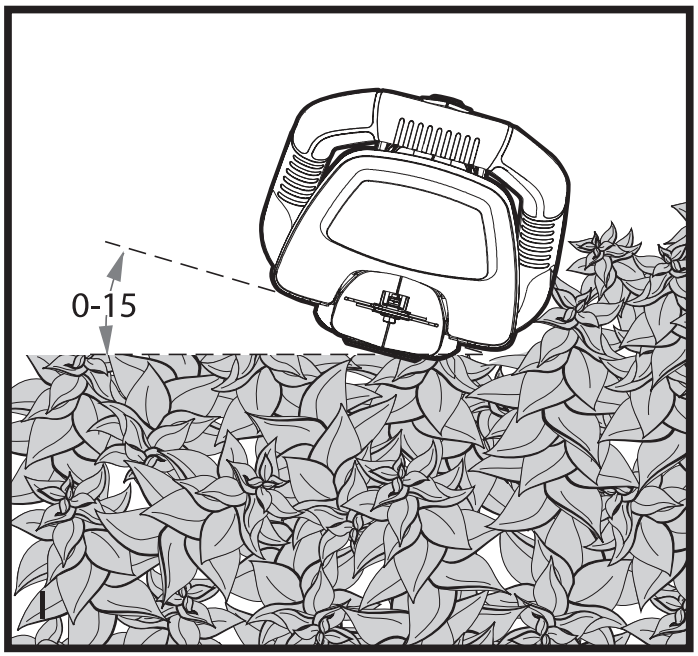

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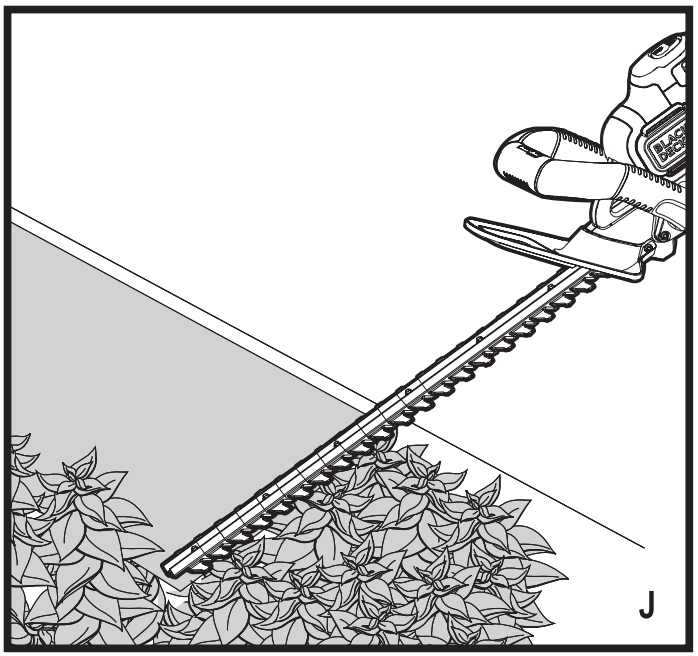

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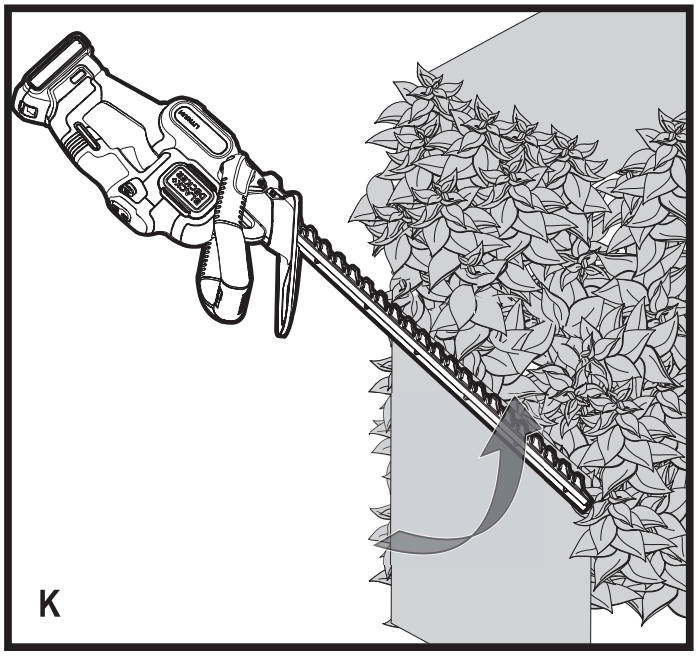

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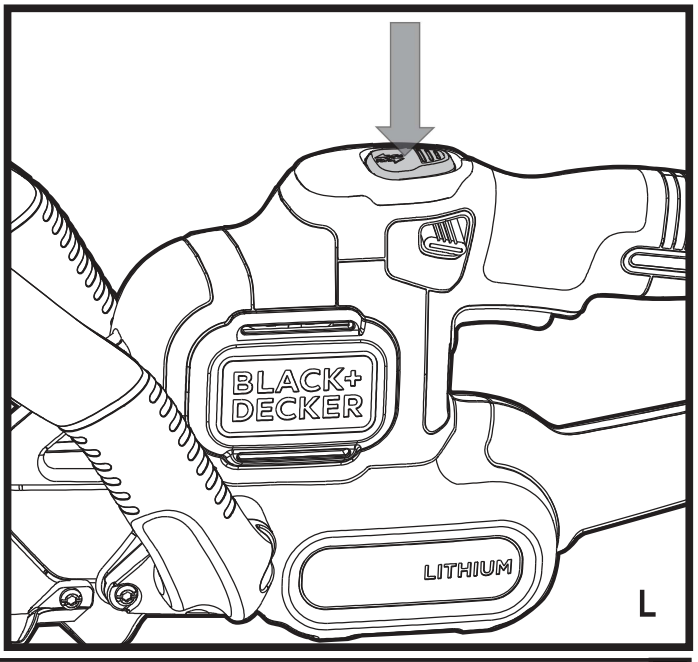

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BLACK+
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J


K


BLACK+
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L

Intended use

Your BLACK+DECKER™ GTC18452P, GTC18502P & GTC18504P hedge trimmer have been designed for trimming hedges, shrubs and brambles. This tool is intended for consumer use only.

Safety instructions

General power tool safety warnings

Warning! Read all safety warnings and all instructions. Failure to follow the warnings and 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.

1. **Work area safety**

a. **Keep work area clean and well lit.** Cluttered or 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.

f. **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**

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 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.

c. **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.

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 dust collection 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, 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. **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.

b. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

c. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.

d. **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.

Additional power tool safety warnings



Warning! Additional safety warnings for hedge trimmers

- **Keep all parts of the body away from the cutter blade. Do not remove cut material or hold material to be cut when blades are moving. Make sure the switch is off when clearing jammed material.** A moment of inattention while operating the tool can result in serious personal injury.
- **Carry the hedge trimmer by the handle with the cutter blade stopped. When transporting or storing the hedge trimmer always fit the cutting device cover.** Proper handling of the hedge trimmer will reduce possible personal injury from the cutter blades.
- **Hold the power tool by insulated gripping surfaces only, because the cutter blade may contact hidden wiring.** Cutter blades contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- The intended use is described in this instruction manual. The use of any accessory or attachment or performance of any operation with this tool other than those recommended in this instruction manual can present a risk of personal injury and/or damage to property.
- Do not carry the tool with your hands on the front handle, switch or the trigger switch unless the battery has been removed.
- If you have not used a hedge trimmer before, preferably seek practical instruction by an experienced user in addition to studying this manual.
- Never touch the blades while the tool is running.
- Never attempt to force the blades to come to a standstill.
- Do not put the tool down until the blades have come to a complete standstill.
- Regularly check the blades for damage and wear. Do not use the tool when the blades are damaged.
- Take care to avoid hard objects (e.g. metal wire, railings) when trimming. Should you accidentally hit any such object, immediately switch the tool off and check for any damage.
- Should the tool start to vibrate abnormally, immediately switch it off and remove the battery then check for any damage.
- If the tool stalls, immediately switch it off. Remove the battery before attempting to remove any obstructions.
- After use, place the blade sheath supplied over the blades. Store the tool, making sure that the blade is not exposed.
- Always ensure that all guards are fitted when using the tool. Never attempt to use an incomplete tool or a tool with unauthorised modifications.
- Never allow children to use the tool.
- Be aware of falling debris when cutting the higher sides of a hedge.

- Always hold the tool with both hands and by the handles provided.

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 should be supervised to ensure that they do not play with the appliance.

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 (example:- working with wood, especially oak, beech and MDF.)

Vibration

The declared vibration emission values stated in the technical data and the declaration of conformity have been measured in accordance with a standard test method provided by EN 60745 and may be used for comparing one tool with another. The declared vibration emission value may also be used in a preliminary assessment of exposure.

Warning! The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used. The vibration level may increase above the level stated.

When assessing vibration exposure to determine safety measures required by 2002/44/EC to protect persons regularly using power tools in employment, an estimation of vibration exposure should consider, the actual conditions of use and the way the tool is used, including taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time.

Labels on tool

The following pictograms are shown on the tool along with the date code:



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



Wear safety glasses or goggles when operating this tool.



Wear ear protection when operating this tool.



Do not expose the tool to rain or high humidity.



Directive 2000/14/EC guaranteed sound power.

Electrical safety

Additional safety instructions for batteries and chargers

Batteries

- Never attempt to open for any reason.
- Do not expose the battery to water.
- Do not store in locations where the temperature may exceed 40 °C.
- Charge only at ambient temperatures between 10 °C and 40 °C.
- Charge only using the charger provided with the tool.
- When disposing of batteries, follow the instructions given in the section "Protecting the environment".



Do not attempt to charge damaged batteries.

Chargers

- Use your BLACK+DECKER charger only to charge the battery in the tool with which it was supplied. Other batteries could burst, causing personal injury and damage.
- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose the charger to water.
- Do not open the charger.
- Do not probe the charger.



The charger is intended for indoor use only.



Read the instruction manual before use.



Your charger is double insulated; therefore no earth wire is required. Always check that the mains voltage corresponds to the voltage on the rating plate. Never attempt to replace the charger unit with a regular mains plug.

- 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 tool includes some or all of the following features.

1. Trigger switch
2. Lock off button
3. Switch handle
4. POWERCOMMAND button
5. Blade guard
6. Dual switch bail handle
7. Blade
8. Battery
9. Charger

Assembly

Warning! Before assembly, remove the battery from the tool fit the blade sheath over the blades.

Warning! Before assembly, make sure that the tool is switched off and unplugged and that the blade sheath is fitted over the blades.

Warning! Never use the tool without the guard.

Charging procedure

Black+decker chargers are designed to charge Black+decker battery packs.

- Plug the charger into an appropriate outlet before inserting the battery pack.
- Insert the battery pack into the charger as shown in figure A.
- The green LED will flash indicating that the battery is being charged.
- The completion of charge is indicated by the green LED remaining on continuously. The pack is fully charged and may be used at this time or left on the charger.

Note: Recharge discharged batteries as soon as possible after use or battery life may be greatly diminished. For longest battery life, do not discharge batteries fully. It is recommended that the batteries be recharged after each use.

Leaving the battery in the charger

The charger and battery pack can be left connected with the LED glowing indefinitely. The charger will keep the battery pack fresh and fully charged.

Important charging notes

- Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 65°F and 75°F (18°- 24°C). DO NOT charge the battery pack in an air temperature below +40°F (+4.5°C), or above +105°F (+40.5°C). This is important and will prevent serious damage to the battery pack.
- The charger and battery pack may become warm to touch while charging. This is a normal condition, and does not indicate a problem. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed, or an uninsulated trailer.
- If the battery pack does not charge properly:
  - Check current at receptacle by plugging in a lamp or other appliance.
  - Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights.
  - Move charger and battery pack to a location where the surrounding air temperature is approximately 65°F - 75°F (18°- 24°C).
  - If charging problems persist, take the tool, battery pack and charger to your local service center.
- The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. DO NOT CONTINUE to use under these conditions. Follow the charging procedure. You may also charge a partially used pack whenever you desire with no adverse affect on the battery pack.
- Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminium foil, or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.
- Do not freeze or immerse charger in water or any other liquid.

Warning! Do not allow any liquid to get inside charger. Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, return to a service center for recycling.

Installing and removing the battery pack from the tool

Warning! Make certain the lock-off button is engaged to prevent switch actuation before removing or installing battery.

To install battery pack

- Insert battery (8) into tool until an audible click is heard (Figure. B)
- Ensure battery pack is fully seated and fully latched into position.

To remove battery pack

- Depress the battery release button as shown in figure C and pull battery pack out of tool.

Assembly instructions

Warning! Make certain the battery is removed before assembly or disassembly of any parts.

Assembly tools required (not supplied):- phillips screwdriver.

Attaching guard and bail handle to trimmer

Warning! Only use with handle and guard properly assembled to hedge trimmer. The use of the hedge trimmer without the proper guard or handle provided may result in serious personal injury.

The trimmer is shipped with the guard and bail handle attached with a plastic zip tie.

To assemble to trimmer:

- Cut the plastic zip tie.
- Remove the six screws that are partially run into the trimmer housing (Figure D).
- Slide the guard (5) onto the front of the trimmer housing as shown in figure E
- Insert two of the six screws into the openings on the sides of the guard and tighten securely.
- Slide the bail handle (6) onto the front of the trimmer housing behind the guard as shown in figure F.
- Insert the remaining four screws into the openings on the sides of the bail handle and tighten securely.

Operation

- To turn the unit on, push the lock off button (2) down, squeeze the trigger (1) and depress the dual switch bail handle(6), as shown in figure G. Once the unit is running, you may release the lock-off button. In order to keep the unit running you must continue to squeeze the trigger.

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

Trimming Instructions

- Maintain proper footing and balance and do not overreach. Wear safety goggles, non-skid footwear when trimming. Hold the unit firmly in both hands and turn the unit ON. Always hold the trimmer, as shown in the illustrations in this manual, with one hand on the switch handle and one hand on the bail handle (figure H). Never hold the unit by the blade guard.

Trimming new growth (Fig. I)

- A wide, sweeping motion, feeding the blade teeth through the twigs is most effective. A slight downward tilt of the blade, in the direction of motion gives the best cutting.

Warning! Do not cut stems greater than 19mm. Use the trimmer only for cutting normal shrubbery around houses and buildings.

Level hedges (Fig. J)

- To obtain exceptionally level hedges a piece of string can be stretched along the length of the hedge as a guide.

Side trimming hedges (Fig. K)

- Hold the trimmer as shown and begin at the bottom and sweep up.

POWERCOMMAND

If you encounter a jam, depress the POWERCOMMAND button (4) shown in figure I. The blades will move back and forth in a slower, more forceful rhythm to help cut through difficult branches. Release the button to return to normal hedge trimming usage.

Note: Once the button is released, the blades will immediately return to full speed.

Note: The blades will stop when the button is held for 15 seconds. To reengage the POWERCOMMAND feature, release the button and depress it again. DO NOT continuously hold the POWERCOMMAND button during normal hedge trimming.

Maintenance

Your BLACK+DECKER corded/cordless appliance/tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

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

- Switch off and unplug the appliance/tool.
- Or switch off and remove the battery from the appliance/tool if the appliance/tool has a separate battery pack.
- 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 appliance/tool/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.
- After use, carefully clean the blades. After cleaning, apply a film of light machine oil to prevent the blades from rusting.

The cutting blades are made from high quality, hardened steel and with normal usage, they will not require resharpening.

However, if you accidentally hit a wire fence, stones, glass or other hard objects, you may put a nick in the blade. There is no need to remove this nick as long as it does not interfere with the movement of the blade. If it does interfere, remove the battery and use a fine toothed file or sharpening stone to remove the nick. If you drop the trimmer, carefully inspect it for damage. If the blade is bent, housing cracked, or handles broken or if you see any other condition that may affect the trimmer's operation contact your local BLACK+DECKER Service Center for repairs before putting it back into use. Fertilizers and other garden chemicals contain agents which greatly accelerate the corrosion of metals. Do not store the unit on or adjacent to fertilizers or chemicals. With the battery removed, use only mild soap and a damp cloth to clean the unit. Never let any liquid get inside the unit; never immerse any part of the unit into a liquid. Prevent the blades from rusting by applying a film of light machine oil after cleaning.

Mains plug replacement (U.K. & Ireland only)

If a new mains plug needs to be fitted:

- Safely dispose of the old plug.
- Connect the brown lead to the live terminal in the new plug.
- Connect the blue lead to the neutral terminal.

Warning! No connection is to be made to the earth terminal. Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 5 A.

Troubleshooting		
Problem	**Possible Cause**	**Possible Solution**
Slow running, noisy or hot blades.	Dry, corroded blades.	Lubricate blades.
	Blade or blade support bent.	Straighten blade or blade support.
	Bent or damaged teeth.	Straighten teeth.
	Loose blade bolts.	Tighten blade bolts.
Unit will not start.	Battery not installed properly.	Check battery installation.
	Battery not charged.	Check battery charging requirements.
	Lock off not fully operated.	Check lock off is fully depressed prior to moving main trigger.

Troubleshooting		
Battery won't charge	Battery not inserted into charger.	Insert battery into charger until green LED appears. Charge up to 8 hours if battery totally drained.
	Charger not plugged in.	Plug charger into a working outlet. Refer to "Important Charging Notes" for more details. Check current at receptacle by plugging in a lamp or other appliance. Check to see if receptacle is connected to a light switch which turns power off when you turn out the light.
	Surrounding air temperature too hot or too cold.	Move charger and tool to a surrounding air temperature of above 40 degree F (4.5°C) or below 105 degree F (+40.5°C).

Protecting the environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions.

Technical data

		GTC18452PC	GTC18502PC	GTC18504PC
Voltage	V_{DC} V_{AC}	18	18	18
Blade strokes (no load)	min^{-1}	1300	1300	1300
Blade length	cm	45	50	50
Blade gap	mm	18	18	18
Weight	kg	2.75	2.80	3.10
Battery		**BL2018**	**BL2018**	**BL4018**
Voltage	V_{DC}	18	18	18
Capacity	Ah	2	2	4
Type		Li-Ion	Li-Ion	Li-Ion
Charger		**905902**(typ.1)**	**90606845**	**90606845**
Input voltage	V_{AC}	100 - 240	230	230
Output voltage	V_{DC}	8 - 20	18	18
Current	mA	400	1000	2000

Level of sound pressure according to EN 60745:
Sound pressure: GTC18504PC (L_{pA}) 74,5 dB(A), uncertainty (K) 3 dB(A) Sound pressure: GTC18452PC (L_{pA}) 78,0 dB(A), uncertainty (K) 3 dB(A)
Sound power: GTC18504PC (L_{WA}) 89,5 dB(A) Sound power: GTC18452PC (L_{WA}) 90,5 dB(A)

Vibration total values (triax vector sum) according to EN 60745:
Vibration emission value: GTC18504PC ($a_{h,D}$) 1,4 m/s^2, uncertainty (K) 1,5 m/s^2 Vibration emission value: GTC18452PC ($a_{h,D}$) 2,0 m/s^2, uncertainty (K) 1,5 m/s^2

EC declaration of conformity

MACHINERY DIRECTIVE
OUTDOOR NOISE DIRECTIVE

CE

GTC18452P/GTC18504P/GTC18502P Hedge Trimmer

Black & Decker declares that these products described under "technical data" are in compliance with:
2006/42/EC, EN 60745-1, EN 60745-2-15:2009 +A1:2010

2000/14/EC, Hedge trimmer 1300 min-1, Annex V

Measured sound power (L_{wA}) 78 dB(A)
Uncertainty (K) 3.89 dB(A)
Guaranteed sound power (L_{wA}) 90,5 dB(A)

These products also comply with Directive 2004/108/EC and 2011/65/EU. For more information, please contact Black & Decker at the following address or refer to the back of the manual.
The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of Black & Decker.



Ray Laverick
Director of Engineering
Black & Decker Europe, 210 Bath Road, Slough,
Berkshire, SL1 3YD
United Kingdom
04/11/2015

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 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.co.uk to register your new Black & Decker product and receive updates on new products and special offers.

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