

Robert Bosch Power Tools GmbH
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GERMANY

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F 016 L81 582

UniversalChainPole 18



BOSCH

de Originalbetriebsanleitung	pl Instrukcja oryginalna	sr Originalno uputstvo za rad
en Original instructions	cs Původní návod k používání	sl Izvirna navodila
fr Notice originale	sk Pôvodný návod na použitie	hr Originalne upute za rad
es Manual original	hu Eredeti használati utasítás	et Algupärane kasutusjuhend
pt Manual original	ru Оригинальное руководство по эксплуатации	lv Instrukcijas oriģinālvalodā
it Istruzioni originali	uk Оригінальна інструкція з експлуатації	lt Originali instrukcija
nl Oorspronkelijke gebruiksaanwijzing	kk Пайдалану нұсқаулығының експлуатация	ar تعليمات التشغيل الأصلية
da Original brugsanvisning	ro Instrucțiunile originale	fa دفترچه راهنمای اصلی
sv Bruksanvisning i original	bg Оригинално упътствие за работа	
no Original driftsinstruks	mk Оригинално упътство за работа	
fi Alkuperäiset ohjeet		
el Προϊόντος οδηγός χρήσης		
tr Orijinal işletme talimatı		



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Nicht mehr gebrauchsfähige Akkus/Batterien können direkt abgegeben werden bei:

Deutschland

Recyclingzentrum Elektrowerkzeuge
Osteroder Landstraße 3
37589 Kalefeld

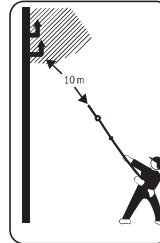
Schweiz

Batrec AG
3752 Wimmis BE

Akkus/Batterien:**Li-Ion:**

Bitte beachten Sie die Hinweise im Abschnitt „Transport“, Seite 13.

Änderungen vorbehalten.



Never touch power supply or telephone lines. These lines conduct high voltage and there is severe danger of electric shock. Keep a minimum distance of 10 m.

Warning: Bystanders should keep a safe distance from the machine when operating.

English

Safety Notes

Explanation of symbols



General hazard safety alert.



Read instruction manual.



Do not use the machine in the rain or leave it outdoors when it is raining.



Pay attention that bystanders are not injured through foreign objects thrown from the machine.



Warning: Keep a safe distance from the machine when operating.



Always wear gloves and safety goggles. Further protective equipment such as non-skid safety shoes and a hard hat is recommended. Adequate protective clothing will reduce personal injury by falling branches and accidental contact with the saw chain.

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 and 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.

Battery tool use and care

- ▶ **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.
- ▶ **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- ▶ **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.
- ▶ **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.
- ▶ **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- ▶ **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- ▶ **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

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.

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- ▶ **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

Pole pruner safety warnings

- ▶ **Keep all parts of the body away from the saw chain. Do not remove cut material nor hold material to be cut when saw chain is moving. Make sure the tool is switched off and the battery is removed when clearing jammed material.** A moment of inattention while operating the pole pruner may result in serious personal injury.
- ▶ **Hold the power tool by insulated gripping surfaces (main handle 15, front handle 9 or extended gripping area 12) only, because the saw chain may contact hidden wiring.** Saw chains contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- ▶ **Maintain a firm grip, with both hands on the pole pruner and position your body and arm to allow you to resist any kickback forces.** Kickback forces can be controlled by the operator, if proper precautions are taken. Do not let go of the pole pruner.
- ▶ **When cutting a branch be alert for kickback.** When the branch is broached it can bend down and jam the saw chain.
- ▶ **Carry the pole pruner switched off, always with both hands and the saw chain with bar cover fitted, away from you.** Proper handling of the pole pruner will reduce the likelihood of accidental contact with the moving saw chain.
- ▶ **Do not operate a pole pruner in a tree.** Operation of a pole pruner while climbing or situated in a tree may result in personal injury.
- ▶ **Always keep proper footing and operate the pruner only, when standing on fixed, secure and ground level surface.** Slippery or unstable surfaces such as ladders may cause a loss of balance or control of the pruner.
- ▶ **Follow instructions for oiling, chain tensioning and changing accessories.** Improperly tensioned or lubricated chain may either break or increase the chance for kickback.
- ▶ **Keep handles dry, clean, and free from oil and grease.** Greasy, oily handles are slippery causing loss of control.
- ▶ **Cut wood only. Don't use pole pruner for purposes not intended. For example: do not use pole pruner for cutting plastic, masonry or non-wood building materials.** Use of the pole pruner for operations different than intended could result in a hazardous situation.
- ▶ **Causes and operator prevention of kickback:**
 - Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.
 - Tip contact in some cases may cause a sudden reverse reaction, kicking the guide bar up and back towards the operator.
 - Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator.
 - Either of these reactions may cause you to lose control of the pole pruner which could result in serious personal injury. As a pole pruner user, you should take several steps to keep your cutting jobs free from accident or injury. Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:
- ▶ **When cutting a branch be alert for kickback.** When the branch is broached it can bend down and jam the saw chain.
- ▶ **Only use replacement saw chains specified by the manufacturer.** Incorrect replacement of saw chains may cause chain breakage and/or kickback.
- ▶ If the bar is damaged and in need of replacement, please consult your Bosch Service Center.
- ▶ Do not sharpen the saw chain on its own. Please obtain the replacement saw chain (F 016 800 489).
- ▶ Never allow children, persons with physical, sensory or mental limitations or a lack of experience and/or knowledge and/or people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator.
- ▶ Children should be supervised to ensure that they do not play with the machine.
- ▶ When not in use store the pole pruner out of reach of children.
- ▶ Before operation, check the work area and remove all possible hazards.
- ▶ **Always wait until the machine has come to a complete stop, and remove the battery before placing it down.** The saw chain can jam or kickback and lead to loss of control over the garden tool.
- ▶ Switch off the pole pruner when changing the working position.
- ▶ A cut branch can lead to personal injury by falling on you or springing back from the ground. Cut longer branches in sections. (see figure N)
- ▶ Reduce the cutting force before the branch is completely cut off. You can get injured, when losing balance and control of the pole pruner.

Recommendations for Optimal Handling of the Battery

- ▶ **Ensure the switch is in the off position before inserting battery pack.** Inserting the battery pack into machines that have the switch on can cause accidents.
- ▶ **Use only Bosch battery packs intended specifically for the machine.** Use of any other battery packs may create a risk of injury and fire.
- ▶ **Do not open the battery.** Danger of short-circuiting.



Protect the battery against heat, e. g., against continuous intense sunlight, fire, water, and moisture. Danger of explosion.

- ▶ **In case of damage and improper use of the battery, vapours may be emitted. Ventilate the area and seek medical help in case of complaints.** The vapours can irritate the respiratory system.
- ▶ **Use the battery only in conjunction with your Bosch product.** This measure alone protects the battery against dangerous overload.
- ▶ **The battery can be damaged by pointed objects such as nails or screwdrivers or by force applied externally.** An internal short circuit can occur and the battery can burn, smoke, explode or overheat.
- ▶ **Do not short-circuit the battery.** There is danger of explosion.
- ▶ Protect the battery against moisture and water.
- ▶ Store the battery only within a temperature range between $-20\text{ }^{\circ}\text{C}$ and $50\text{ }^{\circ}\text{C}$. As an example, do not leave the battery in the car in summer.
- ▶ Occasionally clean the venting slots of the battery using a soft, clean and dry brush.

Safety Warnings for Battery Chargers



Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save these instructions.

Use the battery charger only when you fully understand and can perform all functions without limitation, or have received appropriate instructions.

- ▶ **Never allow children, persons with physical, sensory or mental limitations or a lack of experience and/or knowledge and/or people unfamiliar with these instructions to use the machine.** Local regulations may restrict the age of the operator.
- ▶ **Supervise children.** This will ensure that children do not play with the charger.

- ▶ **Only charge Bosch lithium-ion batteries with a capacity of 1.5 Ah or more (3 battery cells or more). The battery voltage must match the battery charging voltage of the charger. Do not charge non-rechargeable batteries.** Otherwise there is danger of fire and explosion.



Keep the battery charger away from rain or moisture. Penetration of water in the battery charger increases the risk of an electric shock.

- ▶ **Only charge Bosch lithium-ion batteries. The battery voltage must match the battery charging voltage of the charger.** Otherwise there is danger of fire and explosion.
- ▶ **Keep the battery charger clean.** Contamination can lead to danger of an electric shock.
- ▶ **Before each use, check the battery charger, cable and plug. If damage is detected, do not use the battery charger. Never open the battery charger yourself. Have repairs performed only by a qualified technician and only using original spare parts.** Damaged battery chargers, cables and plugs increase the risk of an electric shock.
- ▶ **Do not operate the battery charger on easily inflammable surfaces (e. g., paper, textiles, etc.) or surroundings.** The heating of the battery charger during the charging process can pose a fire hazard.
- ▶ **Do not cover the ventilation slots of the battery charger.** Otherwise, the battery charger can overheat and no longer operate properly.
- ▶ It is recommended for increased electrical safety to use a Residual Current Device (RCD) with a tripping current of not more than 30 mA. Always check your RCD every time you use it.

Products sold in GB only: Your product is fitted with a BS 1363/A approved electric plug with internal fuse (ASTA approved to BS 1362).

If the plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place by an authorised customer service agent. The replacement plug should have the same fuse rating as the original plug. The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere.

Maintenance






- ▶ **Remove battery before adjusting or cleaning, and before leaving the machine unattended for any period.** Always wear gardening gloves when handling or working near the saw chain.
- ▶ Examine the machine and replace worn or damaged parts for safety.
- ▶ Keep all nuts, bolts and screws tight to be sure that the machine is in safe working condition.

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- ▶ Ensure replacement parts fitted are Bosch-approved.
- ▶ The pole pruner should be stored in a dry, locked up location out of the reach of children.

Symbols

The following symbols are important for reading and understanding the operating instructions. Please take note of the symbols and their meaning. The correct interpretation of the symbols will help you to use the machine in a better and safer manner.

Symbol	Meaning
	Reaction direction
	Movement direction
	Switching On
	Switching Off
	Accessories

Intended Use

The machine is intended for domestic use, for pruning trees and shrubs at elevated height, while the user is situated on the ground. The machine is not intended to cut inorganic material or to be used on a ladder or steps. This tool is not intended for commercial or industrial use.

Delivery Scope (see figure B)

Carefully remove the machine from its packaging and check if the following parts are complete:

- Pruner head
- Telescopic handle
- Battery pack**
- Battery charger**
- Harness
- Chain guard
- Operating instructions
- Hex key screwdriver
- Saw chain oil

When parts are missing or damaged, please contact your dealer.

** country specific

Product Features (see figure A)

The numbering of the product features refers to the illustration of the machine on the graphics page 356.

- 1 Saw chain
- 2 Chain bar
- 3 Oil filler cap
- 4 Pivoting head adjustment buttons
- 5 Chain tensioning screw
- 6 Connector
- 7 Telescopic tube
- 8 Telescopic height adjustment
- 9 Front handle
- 10 Front handle harness loop
- 11 Harness
- 12 Extended gripping area (isolated)
- 13 Main handle harness loop
- 14 Locking button
- 15 Main handle (insulated gripping surface)
- 16 On/Off switch
- 17 Battery pack
- 18 Battery unlocking button
- 19 Hook to front handle harness loop
- 20 Hook to main handle harness loop
- 21 Oil tank inlet/outlet
- 22 Cover
- 23 Drive sprocket
- 24 Guide fin for chain bar
- 25 Fixing screws

Accessories shown or described are not part of the standard delivery scope of the product. A complete overview of accessories can be found in our accessories program.

Technical Data

Cordless pole pruner	UniversalChain-Pole 18	
Article number		3 600 HB3 1..
Chain speed (no-load)	m/s	4.0
Chain bar length	cm	20/ 8"
Max diameter of cut	cm	15
Chain type		3/8" – 90PX033E
Drive link thickness	mm	1.1
Drive link count		33
Oil reservoir capacity	ml	60
Automatic chain oiler		●
Height adjustment	m	2.1 – 2.6
Pivoting head, 9 positions	°	120
Weight according to EPTA-Procedure 01:2014	kg	3.6
Serial number	See serial number (type plate) on the machine	

Cordless pole pruner	UniversalChain-Pole 18
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Permitted ambient temperature		
– during charging and operation*	°C	0... +45
– during storage	°C	-20...+50

Battery	Li-Ion
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Article number		
– 1.5 Ah		2 607 337 187
– 2.0 Ah		2 607 337 211
– 2.5 Ah		2 607 337 199
Rated voltage	V=	18
Capacity		
– 2 607 337 187	Ah	1.5
– 2 607 337 211	Ah	2.0
– 2 607 337 199	Ah	2.5
Number of battery cells		
– 2 607 337 187		5
– 2 607 337 211		5
– 2 607 337 199		5

Battery Charger	AL 1830 CV
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Article number		
2 607 ...	EU	... 225 965
	UK	... 225 967
	AU	... 225 969
Charging current	A	3,0
Charging period (battery discharged)		
– 1.5 Ah	min	33
– 2.0 Ah	min	45
– 2.5 Ah	min	60

Weight according to EPTA-Procedure 01:2014	kg	0.40
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Protection class		□ / II
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Battery Charger	AL 1815 CV
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Article number		
2 607 ...	EU	... 226 077
	UK	... 226 079
	AU	... 226 081
Charging current	A	1,5
Charging period (battery discharged)		
– 1.5 Ah	min	63
– 2.0 Ah	min	84
– 2.5 Ah	min	105

Weight according to EPTA-Procedure 01:2014	kg	0.38
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Protection class		□ / II
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Noise/Vibration Information

Sound emission values determined according to EN 60335-1.

Typically the A-weighted noise levels of the product are:
Sound pressure level 78 dB(A); sound power level 92 dB(A).
Uncertainty K = 4 dB.

Vibration total values a_h (triax vector sum) and uncertainty K determined according to EN 60335-1:
 $a_h = 1.0 \text{ m/s}^2$, $K = 1.5 \text{ m/s}^2$.

The vibration level given in this information sheet has been measured in accordance with a standardised test given in EN 60335 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 insertion tools or is 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, organise work patterns.

Mounting and Operation

Action	Figure	Page
Product features	A	356
Delivery scope	B	357
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Inserting the battery	D	357
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Switching on and off	M	362
Working advice	N	363
Removing the battery	O	363
Maintaining and storing the tool	P	364
Selecting accessories		365

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Initial Operation

For Your Safety

- ▶ **Before any work on the machine itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the power tool.** There is danger of injury when unintentionally actuating the On/Off switch with the locking button.
- ▶ **Do not activate switches until battery is fully attached.**

Inserting/Removing the Battery (see figures D+K)

Note: Use of batteries not suitable for the machine can lead to malfunctions of or cause damage to the power tool.

Insert the charged battery **17** onto the telescopic handle. Make sure that the battery is fully fitted.

Remove the battery **17** from the poptool by pressing the battery unlocking button **18** and moving the battery towards cutting saw chain.

Battery Charging

- ▶ **Do not use other battery chargers.** The supplied battery charger is designed for the Lithium-Ion battery in your garden product.
- ▶ **Observe the mains voltage!** The voltage of the power supply must correspond with the data given on the nameplate of the battery charger. Battery chargers marked with 230 V can also be operated with 220 V.

The battery is equipped with temperature monitoring that allows charging only in the temperature range between 0 °C and 45 °C. In this manner, a high battery service life is achieved.

Note: The battery supplied is partially charged. To ensure full capacity of the battery, completely charge the battery in the battery charger before using your power tool for the first time.

The lithium-ion battery can be charged at any time without reducing its service life. Interrupting the charging procedure does not damage the battery.

The "Electronic Cell Protection (ECP)" protects the lithium-ion battery against deep discharging. When the battery is run down or discharged, the garden product is shut off by means of a protective circuit: The garden product no longer operates.

⚠ IMPORTANT Do not continue to press the On/Off switch after the garden product has been automatically switched off. The battery can be damaged.

Observe the notes for disposal of the battery.

Charging Procedure


The charging procedure starts as soon as the mains plug of the battery charger is plugged into the socket outlet and the battery is inserted into the charging compartment.

Due to the intelligent charging method, the charging condition of the battery is automatically detected and the battery is charged with the optimum charging current, depending on battery temperature and voltage.

This gives longer life to the battery and always leaves it fully charged when kept in the charger for storage.


Meaning of the Indication Elements (AL 1830 CV)

(Fast) Flashing of the Green Battery Charge Indicator

 Charge The rapid-charging procedure is indicated by **fast flashing** of the **green** battery charge indicator.


Note: The rapid-charging procedure is only possible when the battery temperature is within the allowable charging temperature range, see section "Technical Data".

(Slow) Flashing of the Green Battery Charge Indicator

 80% When the charging condition of the battery is **80 %**, the **green** battery charge indicator **flashes slowly**.


The battery can be removed for immediate use.

Continuous Lighting of the Green Battery Charge Indicator


 100% **Continuous lighting** of the **green** battery charge indicator indicates that the battery is fully charged.

When the battery is not inserted, **continuous lighting** of the battery charge indicator indicates that the mains plug is inserted in the socket and that the battery charger is ready for operation.

Continuous Lighting of the Red Battery Charge Indicator


 **Continuous lighting** of the **red** battery charge indicator indicates that the temperature of the battery is not within the allowable charging temperature range, see section "Technical Data". As soon as the allowable charging temperature range is reached, the battery charger automatically switches to rapid charging.

Flashing Red Battery Charge Indicator


 A **flashing red** battery charge indicator indicates a different malfunction of the charging procedure, see section "Troubleshooting – Causes and Corrective Measures".

Meaning of the Indication Elements (AL 1815 CV)

Flashing Battery Charge Indicator

 Charge The charging procedure is signalled by a **flashing** battery charge indicator.

Continuous Lighting of the Battery Charge Indicator

 **Continuous lighting** of the battery charge indicator indicates that the battery is fully charged **or** that the temperature of the battery is not within the allowable charging temperature range, and cannot be charged for this reason. The battery is charged as soon as the allowable charging temperature range is reached.

When the battery is not inserted, **continuous lighting** of the battery charge indicator indicates that the mains plug is inserted in the socket and that the battery charger is ready for operation.

Troubleshooting – Causes and Corrective Measures

Cause	Corrective Measure
Continuous lighting of the battery charge indicator	
Flashing red battery charge indicator	
No charging procedure possible	
The battery is not attached (correctly)	Attach battery to charger correctly
Battery contacts contaminated	Clean the battery contacts (e. g. by inserting and removing the battery several times) or replace the battery
Battery pack defective	Replace the battery
Battery charge indicators or do not light up	
Mains plug of battery charger not plugged in (properly)	Insert mains plug (fully) into the socket outlet
Socket outlet, mains cable or battery charger defective	Check the mains voltage; have the battery charger checked by an authorised after-sales service agent for Bosch power tools

Charging Advice

With continuous or several repetitive charging cycles without interruption, the charger can warm up. This does not indicate a technical defect of the battery charger.

A significantly reduced working period after charging indicates that the battery is used and must be replaced.

Assembly

► **Before any work on the machine itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the power tool.** There is danger of injury when unintentionally actuating the On/Off switch with the locking button.

Tool assembly (see figure C + E)

Fit the pole pruner head together with the telescopic handle, tighten them together with the connector **6** by twisting it. Make sure that both parts are properly fitted.

Attach the harness **11** to the harness loops **10/13** located in the handling areas. Please notice that the harness has two hooks that are different in size. Make sure that the bigger hook **20** is fitted onto the main handle harness loop **13** and the smaller hook **19** onto the front handle harness loop **10**.

Remove the saw chain cover.

Adjusting the telescopic height (see figure F)

Loosen the telescopic height adjustment joint **8** by rotating, extend the telescopic tube **7** to the required length and re-tighten the adjustment joint **8** by twisting.

The telescopic tube **7** can be extended from 2.1 m to 2.60 m depending on the application.

Adjusting the pivoting head (see figure H)

Press two pivoting head adjustment buttons **4** simultaneously, adjust the pivoting head to the required position by moving the pruner head upwards or downwards, release the pivoting head adjustment buttons **4** and make sure that the pruner head is properly locked.

Pivoting head can be adjusted to 9 different positions.

Tensioning the saw chain (see figure J)

Always check the chain tension before use, after the first cuts and regularly during use approx. every 10 minutes. Upon initial operation, new chains can lengthen considerably.

Always tension the chain when it is cold. Tensioning when it is hot can result in over tensioning.

- The saw chain **1** is correctly tensioned when it can be raised approx. 2–3 mm from the chain bar in the centre. This should be done by using one hand to raise the saw chain against the weight of the machine.
- Turn the chain tensioning screw **5** with the hex key clockwise (increase tension) or anticlockwise (decrease tension) to adjust the tension.

Saw chain lubrication (see figure I)

Note: The pole pruner is not supplied filled with oil. It is essential to fill with oil before use. Operating the pole pruner without chain oil or when the oil level is below the minimum mark will result in damage to the saw chain.

Chain life and cutting capacity depend on optimum lubrication. Therefore, the saw chain is automatically lubricated with chain oil during operation.

Filling the oil reservoir:

- Set pole pruner on any suitable flat surface with the oil filler cap **3** facing upward.
- Clean area around the oil filler cap **3** with a cloth and unscrew the cap.
- Add Bosch biodegradable chainsaw oil until reservoir is full. Use of non approved oil may impair the performance of the oiling system.
- Oil becomes denser at lower temperatures which decreases the flow rate of oil.
- Avoid dirt or debris from entering the oil reservoir.

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- Replace the cap. Clean any spilled oil remaining on the tool with a cloth.
- Make sure that the oil cap is not overtightened.
- Run pole pruner for 30 seconds to prime oil system.

Note: To allow venting of the oil reservoir, small breather channels are provided between the oil filler cap. To prevent leakage, ensure pole pruner is left in a horizontal flat (oil filler cap **3** uppermost) when not in use.

Replacing the chain (see figures K + L)

- ▶ **Always wear protective gloves when handling the chain.**
- ▶ **Use only Bosch approved chains designed for chainbars with 1.1 mm groove.**

Undo the two screws located on the cover **22** and remove the cover.

Lift the saw chain **1** and bar **2** off the sprocket **23**.

Take the blunt saw chain **1** off the bar **2** and discard safely.

Slide the new saw chain in the slot around the chain bar.

Ensure the chain is in the correct running direction by comparing the chain with the rotation symbol on bar.

Fit the new saw chain onto the drive sprocket **23** and chain bar **2** over the guide fin **24**, ensure that all parts are seated properly. Re-fit the cover **22** and tighten the two fixing screws **25**.

Check the tensioning before use. Tension the chain using the tensioning screw **5** if necessary.

Operation

Switching on and off (see figure M)

To **switch on** the power tool, first press the lock-off switch **14** then press On/Off switch **16**. Keep the On/Off switch while operating the machine. You can let go of the lock-off switch while the tool is switched on.

To **switch off** the power tool, release the On/Off switch **16**.

Troubleshooting

Problem	Possible Cause	Corrective Action
Saw chain dry	No oil in reservoir	Refill oil
	Oil passage clogged	Clean oil passage
Saw chain/guide bar hot	No oil in reservoir	Refill oil
	Vent in oil filler cap 3 clogged	Clean oil filler cap 3
	Oil passage clogged	Clean oil passage
	Chain tension too high	Tension saw chain
	Blunt saw chain	Replace saw chain
	Over current protection is activated	Re-operate the tool
	Battery Thermal Protection operated	Battery to cool and restart

To save energy, only switch the power tool on when using it.

The lithium-ion battery is protected against deep discharging by the "Electronic Cell Protection (ECP)". When the battery is empty, the power tool is switched off by means of a protective circuit: The tool no longer runs.

- ▶ **Do not continue to press the On/Off switch after the machine has been automatically switched off.** The battery can be damaged.

Working Advice (see figure N)

Before cutting

Before starting operation and periodically during cutting, carry out the following checks:

- Is the pole pruner in a fail-safe condition?
- Is the oil reservoir filled? Check oil level gauge prior to starting and regularly during operation. Refill oil when oil level has reached the bottom edge, see through oil level indicator. The reservoir filling will last approx. 15 minutes, depending on sawing intensity and stops.
- Is the saw chain properly tensioned and sharp?

General behaviour

The chain must be running at full speed before it makes contact with the wood. Use the tip protector to support the undercutting.

Pruning straight through a tree branch from the top edge down is appropriate for branches up to 5 cm in diameter. Thicker branches should be pruned in three-steps, to prevent damaging the tree. The tip protector is designed to support undercutting branches.

Do not force the pole pruner while cutting, let the chain do the work.

Sawing is optimized when the chain speed remains steady during cutting.

Problem	Possible Cause	Corrective Action
Pole Pruner rips, vibrates, does not saw properly	Chain tension too loose	Tension saw chain
	Blunt saw chain	Replace saw chain
	Saw chain worn out	Replace saw chain
	Saw chain teeth are facing in the wrong direction	Reassemble with saw chain in correct direction
	Too much force applied	Reduce force
Cuts per battery charge too low	Battery Thermal Protection operated	Battery to cool and restart
Pole pruner cuts out when sawing	Saw chain over tensioned "too tight"	Retension saw chain
	Over pressure applied to saw during cutting	Reduce force applied to saw during cutting
	New saw chain	Reduce force applied to saw during cutting
	Hard wood	Reduce force applied to saw during cutting
	Wood is wet	Allow tool to cool down and restart
	Saw chain teeth facing wrong way/direction	Reassemble with chain teeth in correct direction
	Over heating of tool	Allow tool to cool down and restart
	External or internal wiring defect	Contact your Bosch Service Center
Flashing red battery charge indicator	Battery not (properly) inserted	Properly insert battery into battery charger
	Battery contacts contaminated	Clean the battery contacts (e. g. by inserting and removing the battery several times) or replace the battery
Battery charge indicators do not light up Battery will not charge	Mains plug of battery charger not plugged in (properly)	Insert mains plug (fully) into the socket outlet
	Socket outlet, mains cable or battery charger defective	Check the mains voltage; have the battery charger checked by an authorised after-sales service agent for Bosch power tools
	Battery and charger defective	Replace battery and charger
	Battery pack defective	Replace the battery
	Charger defective	Replace charger

Maintenance, Storage and Transportation (see figure P)

- **Before any work on the machine itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the power tool.** There is danger of injury when unintentionally actuating the On/Off switch with the locking button.

Clean the tool with the cloth before storage.

Remove the oil from the reservoir before storage.

When transporting or storing always fit the guide bar cover.

Note: Please do not hang the tool for storage onto the branch.

Store and transport telescopic pole pruner with battery removed and protection blade cover placed.

After-sales Service and Application Service

www.bosch-garden.com

In all correspondence and spare parts order, please always include the 10-digit article number given on the type plate of the machine.

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Robert Bosch Ltd. (B.S.C.)
 P.O. Box 98
 Broadwater Park
 North Orbital Road
 Denham
 Uxbridge
 UB 9 5HJ

At www.bosch-pt.co.uk you can order spare parts or arrange the collection of a product in need of servicing or repair.

Tel. Service: (0344) 7360109

E-Mail: boschservicecentre@bosch.com

Ireland

Origo Ltd.
 Unit 23 Magna Drive
 Magna Business Park
 City West
 Dublin 24
 Tel. Service: (01) 4666700
 Fax: (01) 4666888

Australia, New Zealand and Pacific Islands

Robert Bosch Australia Pty. Ltd.
 Power Tools
 Locked Bag 66
 Clayton South VIC 3169
 Customer Contact Center
 Inside Australia:
 Phone: (01300) 307044
 Fax: (01300) 307045

Inside New Zealand:
 Phone: (0800) 543353
 Fax: (0800) 428570

Outside AU and NZ:
 Phone: +61 3 95415555
www.bosch-pt.com.au
www.bosch-pt.co.nz

Republic of South Africa**Customer service**

Hotline: (011) 6519600

Gauteng – BSC Service Centre

35 Roper Street, New Centre
 Johannesburg
 Tel.: (011) 4939375
 Fax: (011) 4930126
 E-Mail: bsctools@icon.co.za

KZN – BSC Service Centre

Unit E, Almar Centre
 143 Crompton Street
 Pinetown
 Tel.: (031) 7012120
 Fax: (031) 7012446
 E-Mail: bsc.dur@za.bosch.com

Western Cape – BSC Service Centre

Democracy Way, Prosperity Park
 Milnerton
 Tel.: (021) 5512577
 Fax: (021) 5513223
 E-Mail: bsc@zsd.co.za

Bosch Headquarters

Midrand, Gauteng
 Tel.: (011) 6519600
 Fax: (011) 6519880
 E-Mail: rbsa-hq.pts@za.bosch.com

Transport

The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements. The user can transport the batteries by road without further requirements. When being transported by third parties (e.g.: air transport or forwarding agency), special requirements on packaging and labelling must be observed. For preparation of the item being shipped, consulting an expert for hazardous material is required.

Dispatch batteries only when the housing is undamaged. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging. Please also observe possibly more detailed national regulations.

Disposal

The machine, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling.



Do not dispose of power tools and batteries/rechargeable batteries into household waste!

Only for EC countries:

According to the European Guideline 2012/19/EU, power tools that are no longer usable, and according to the European Guideline 2006/66/EC, defective or used battery packs/batteries, must be collected separately and disposed of in an environmentally correct manner.

Batteries no longer suitable for use can be directly returned at:

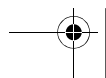
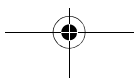
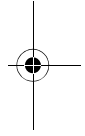
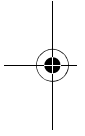
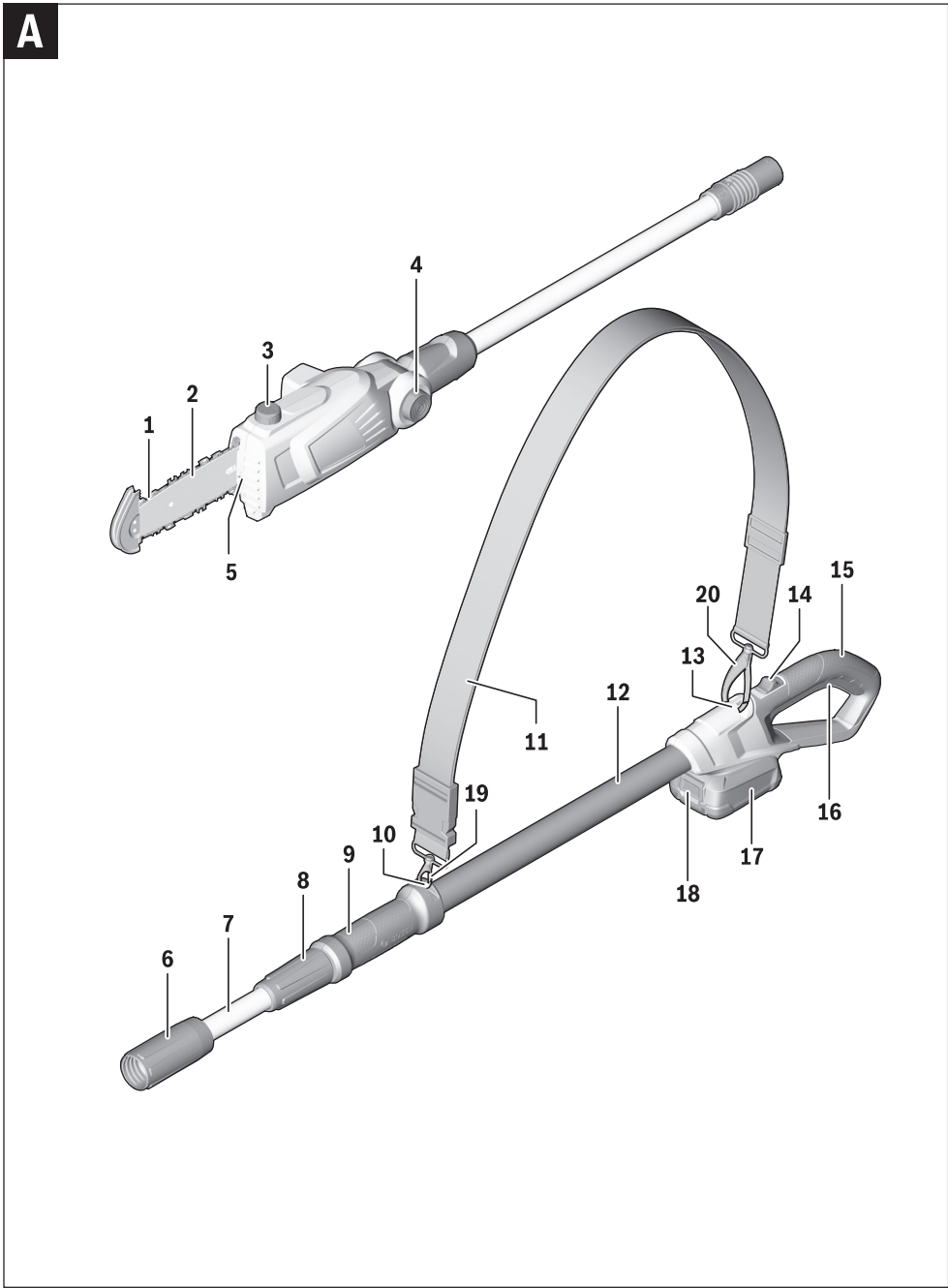
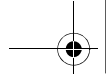
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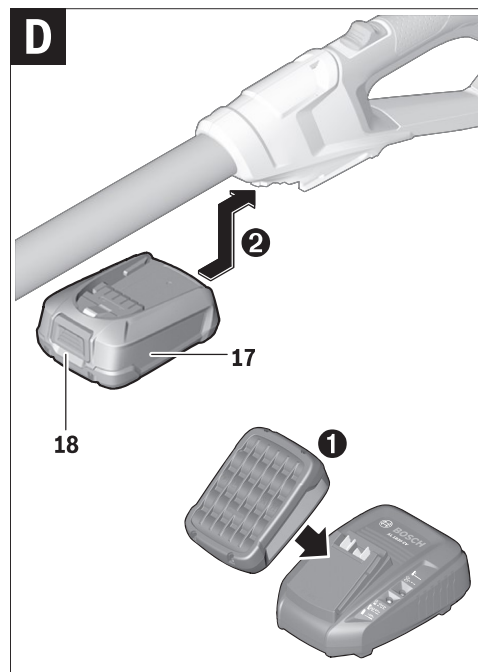
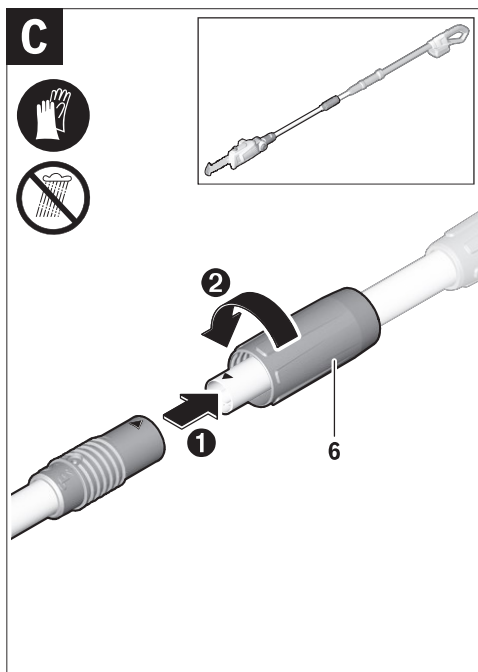
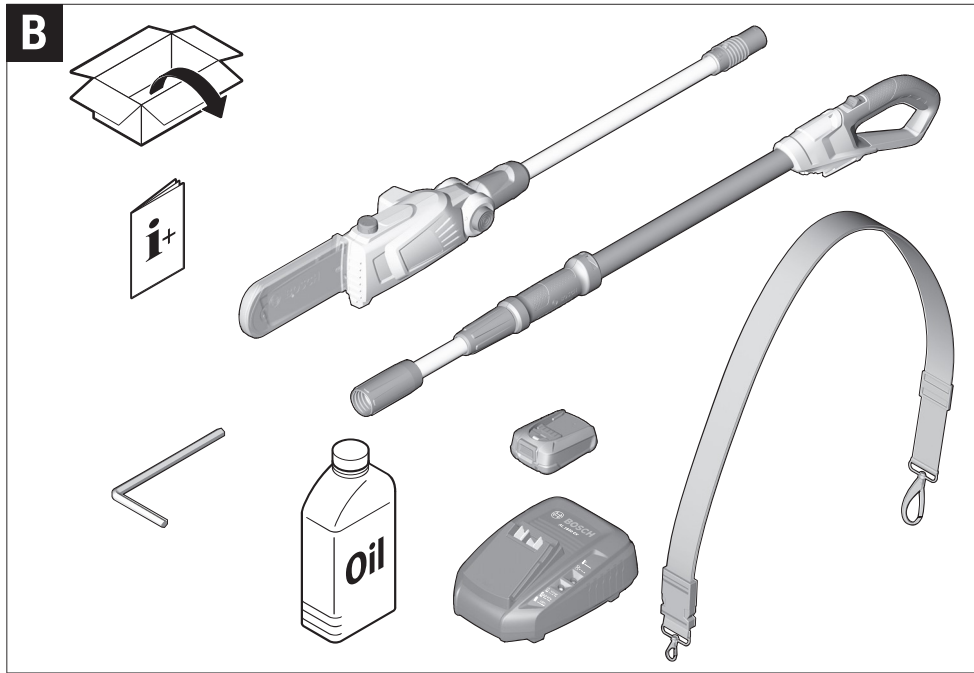
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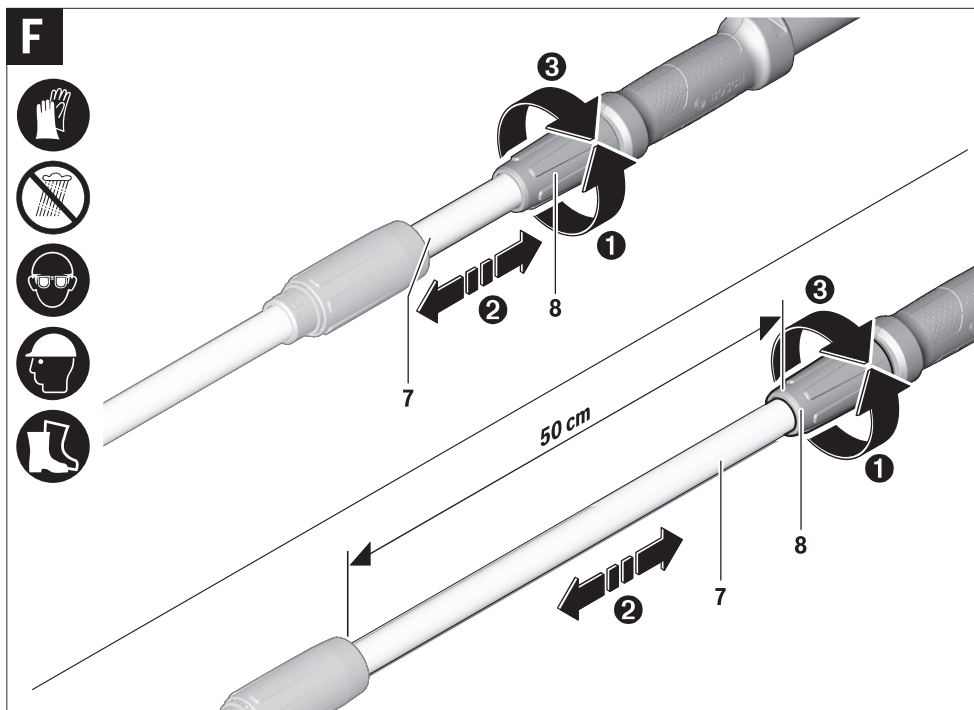
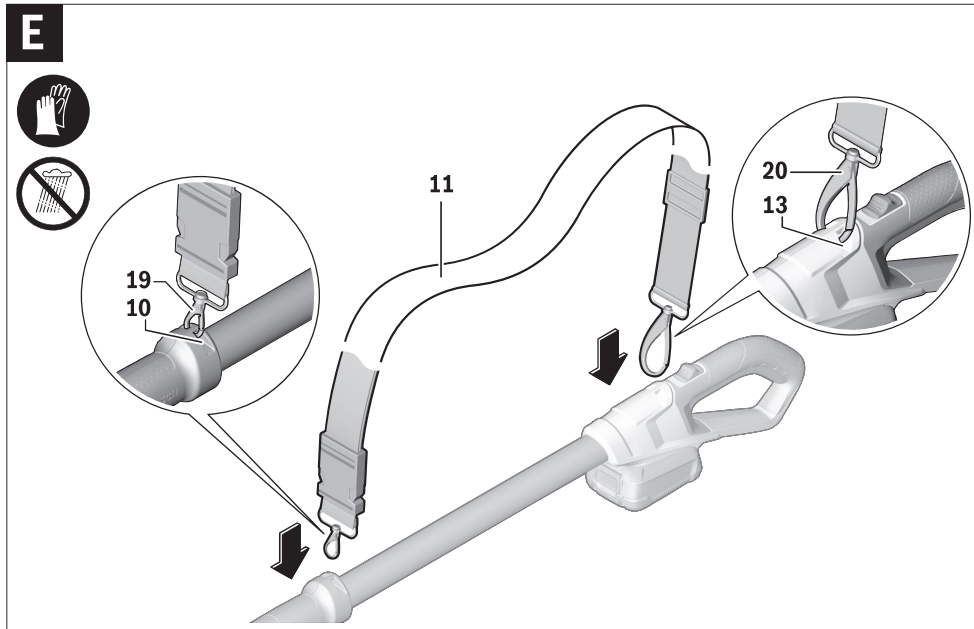
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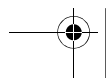
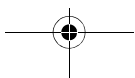
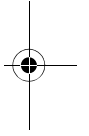
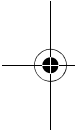
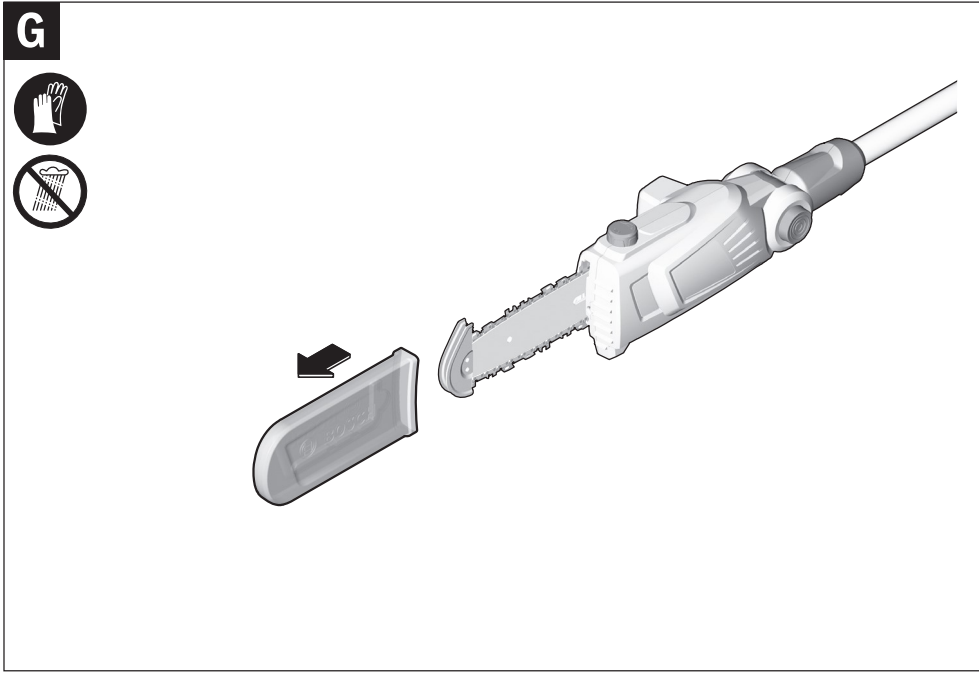
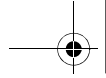
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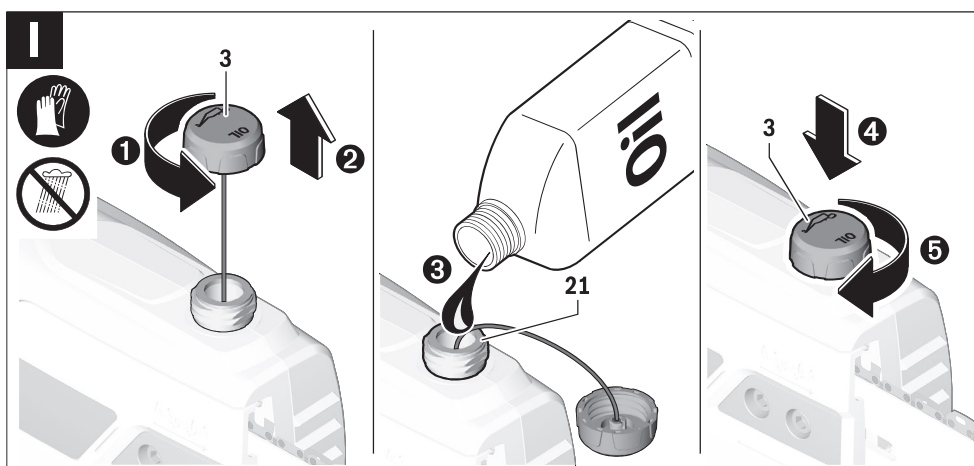
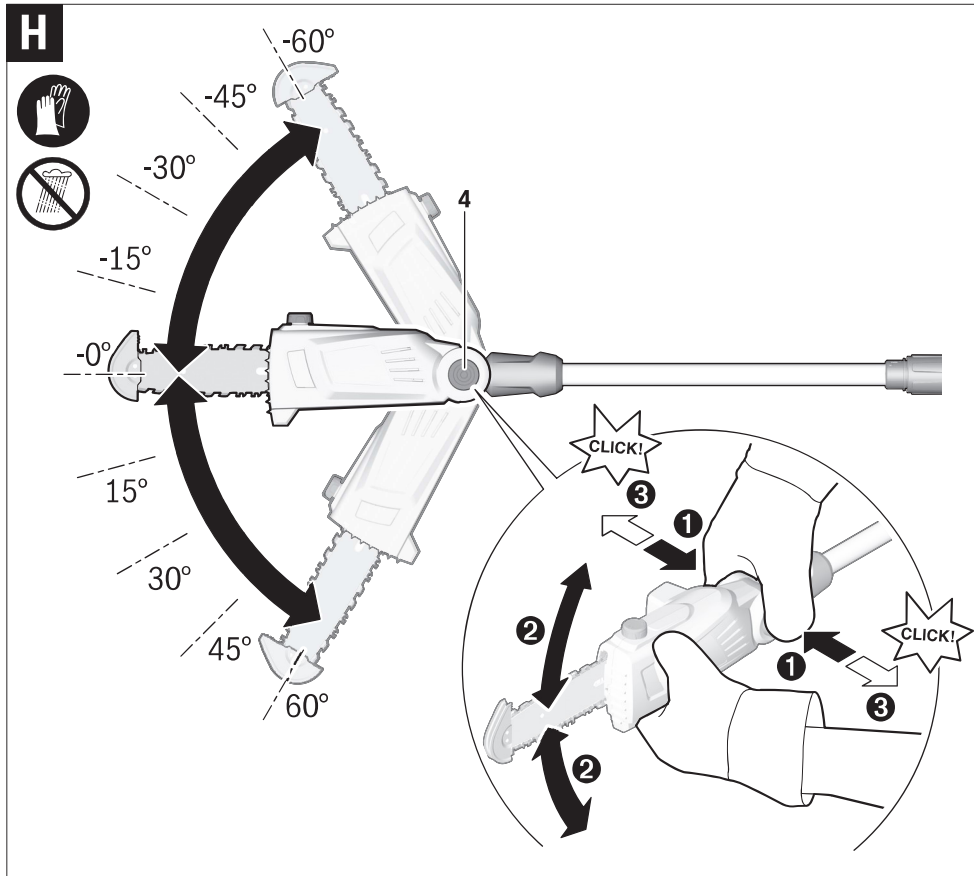
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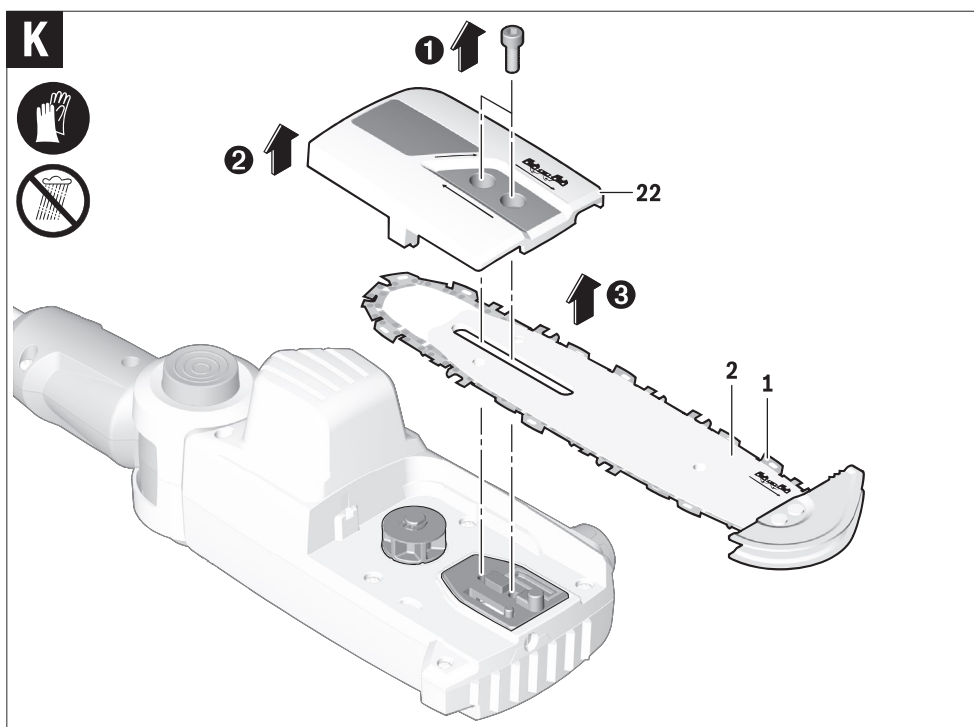
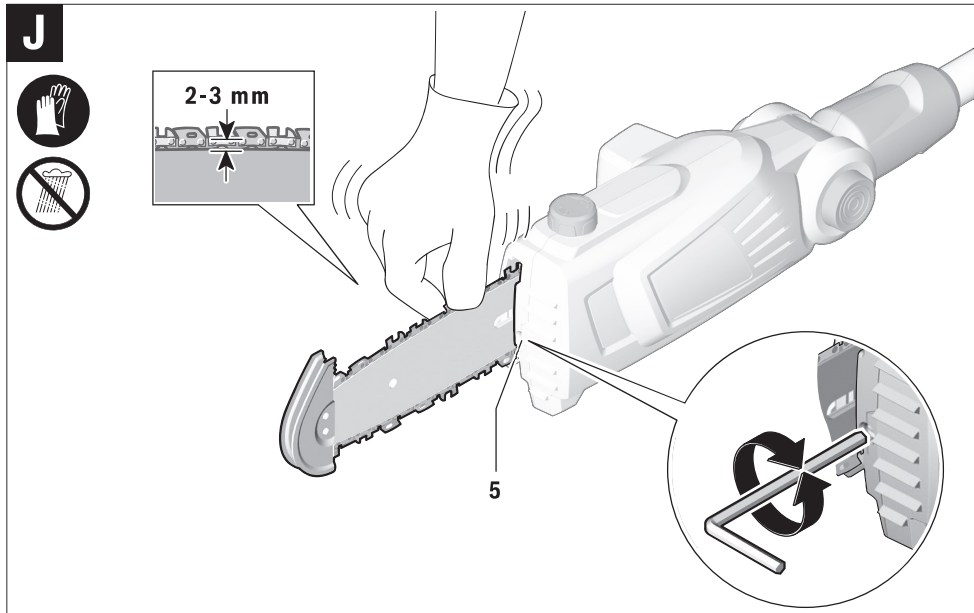


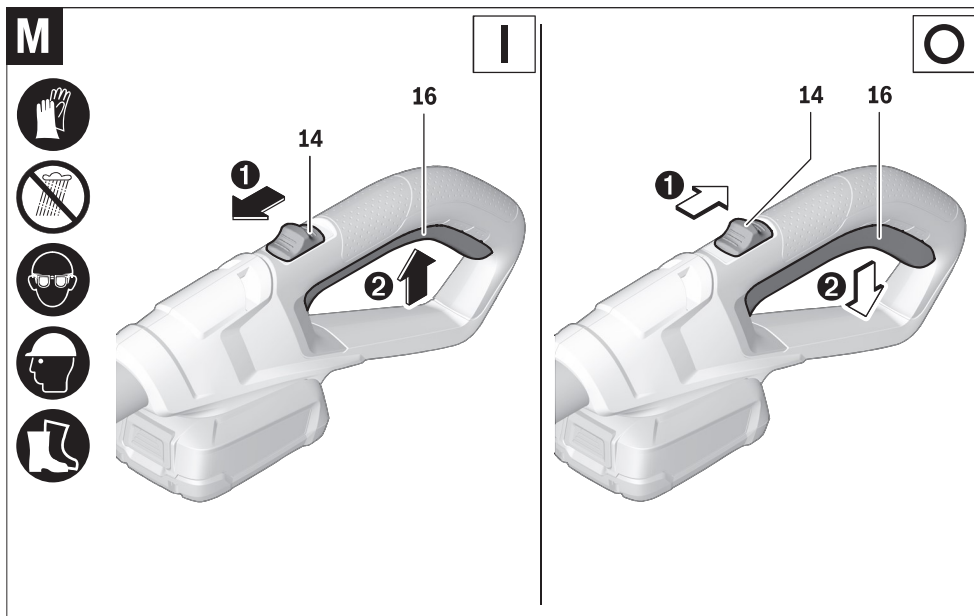
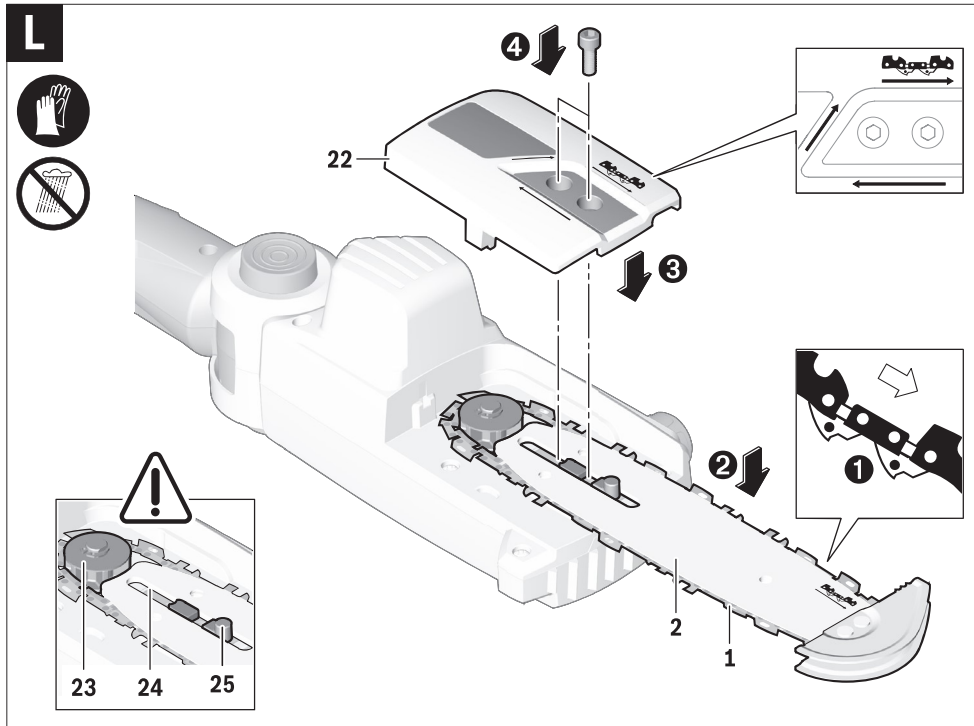


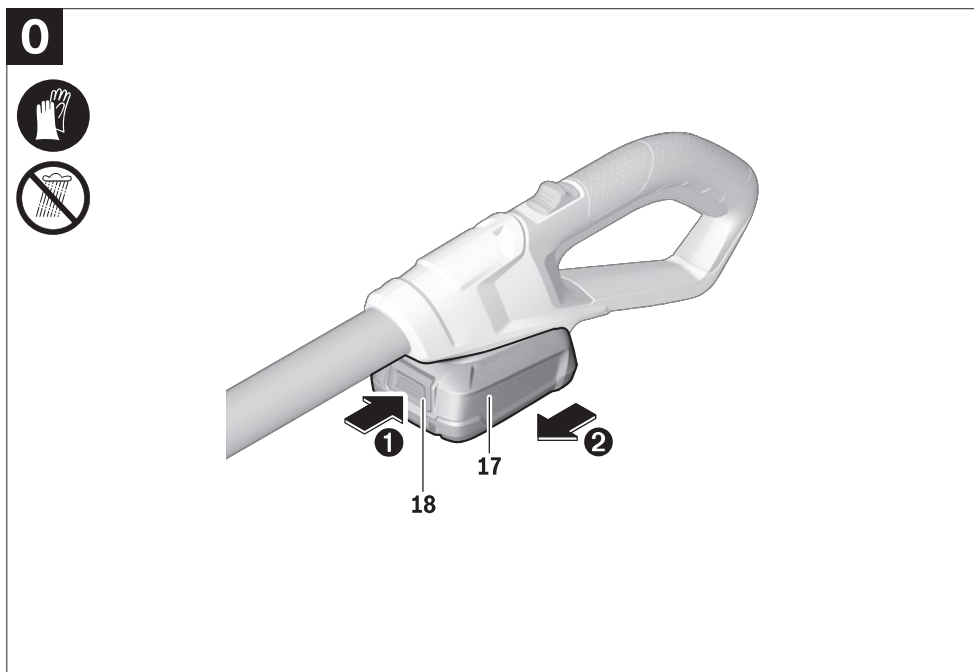
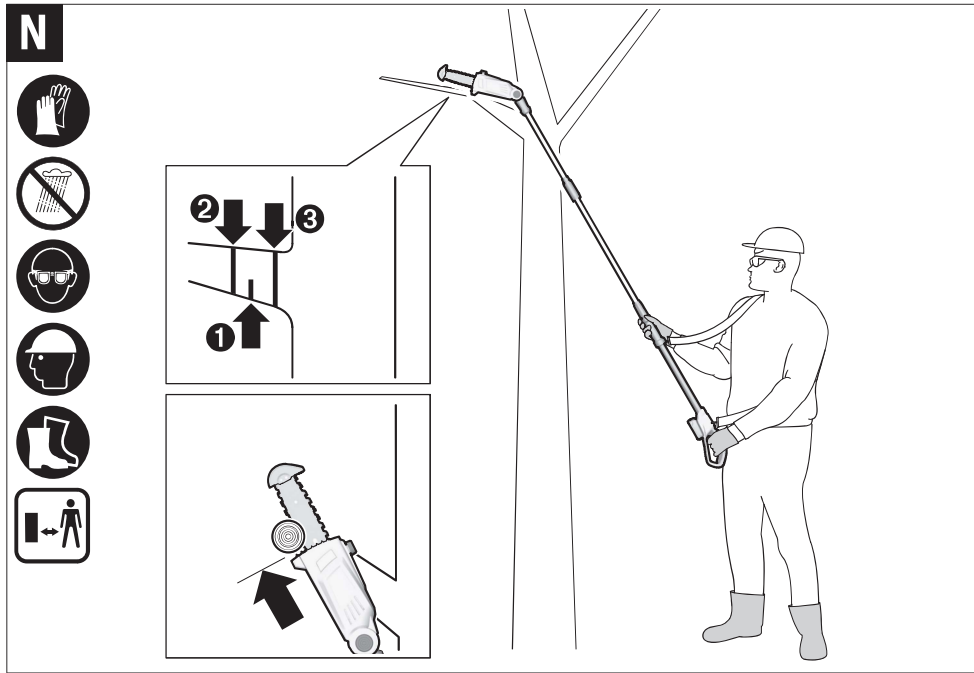


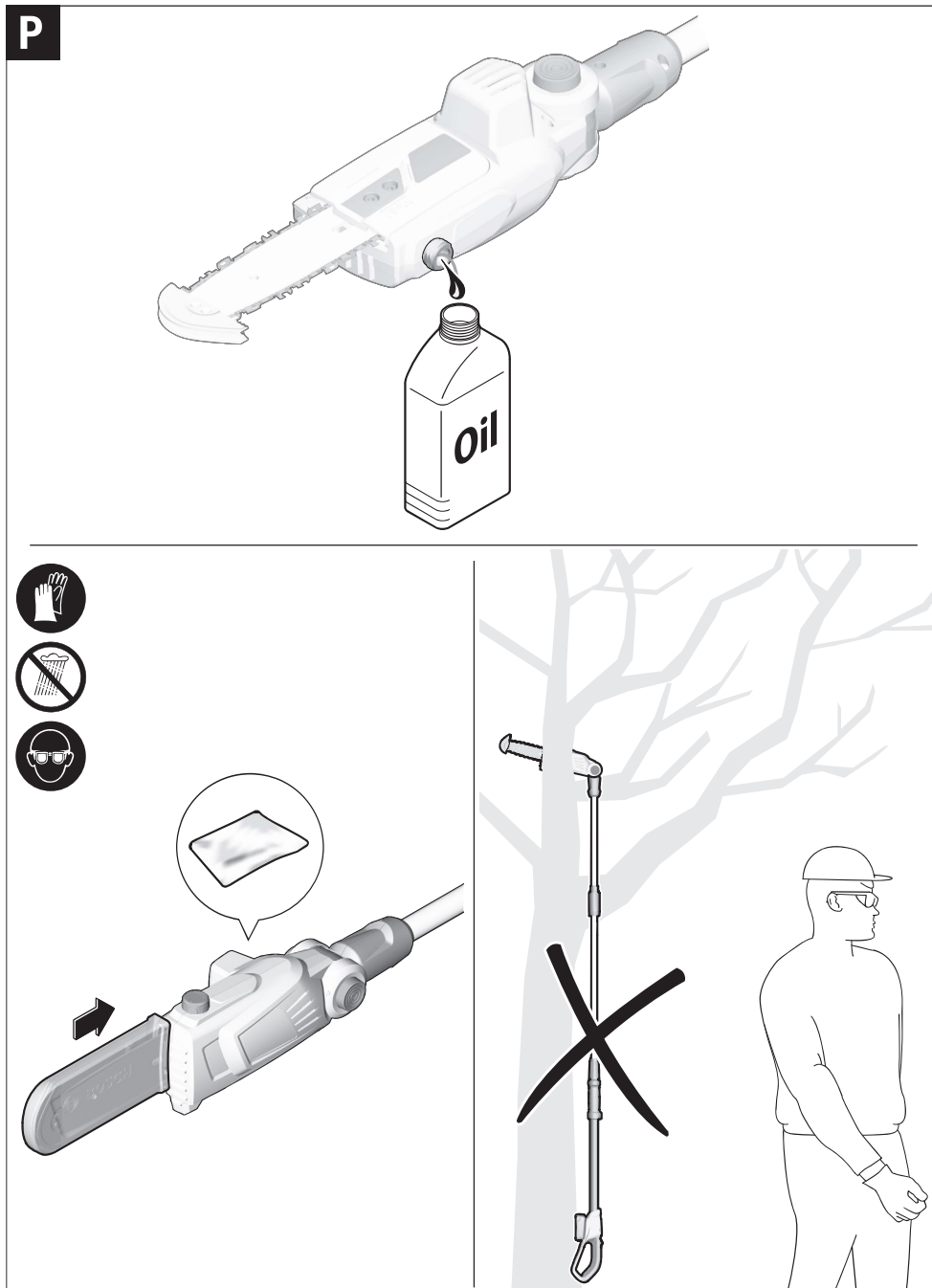














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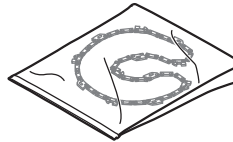


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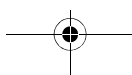
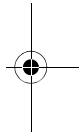
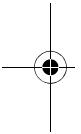
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I		CE
de	EU-Konformitätserklärung Akku-Hochentaster Sachnummer	Wir erklären in alleiniger Verantwortung, dass die genannten Produkte allen einschlägigen Bestimmungen der nachfolgend aufgeführten Richtlinien und Verordnungen entsprechen und mit folgenden Normen übereinstimmen.
en	EU Declaration of Conformity Cordless pole pruner Article number	We declare under our sole responsibility that the stated products comply with all applicable provisions of the directives and regulations listed below and are in conformity with the following standards.
fr	Déclaration de conformité UE Perche élagueuse sans fil N° d'article	Nous déclarons sous notre propre responsabilité que les produits décrits sont en conformité avec les directives, règlements normatifs et normes énumérés ci-dessous.
es	Declaración de conformidad UE Podadora de altura ACCU N° de artículo	Declaramos bajo nuestra exclusiva responsabilidad, que los productos nombrados cumplen con todas las disposiciones correspondientes de las Directivas y los Reglamentos mencionados a continuación y están en conformidad con las siguientes normas.
pt	Declaração de Conformidade UE Podadores com haste sem fio N.º do produto	Declaramos sob nossa exclusiva responsabilidade que os produtos mencionados cumprem todas as disposições e os regulamentos indicados e estão em conformidade com as seguintes normas.
it	Dichiarazione di conformità UE Tagliarami a pertica a batteria ricaricabile Codice prodotto	Dichiariamo sotto la nostra piena responsabilità che i prodotti indicati sono conformi a tutte le disposizioni pertinenti delle Direttive e dei Regolamenti elencati di seguito, nonché alle seguenti Normative.
nl	EU-conformiteitsverklaring Accu-snoeizaag Productnummer	Wij verklaren op eigen verantwoordelijkheid dat de genoemde producten voldoen aan alle desbetreffende bepalingen van de hierna genoemde richtlijnen en verordeningen en overeenstemmen met de volgende normen.
da	EU-overensstemmelseerklæring Akku-afgreningsudstyr Typenummer	Vi erklærer som eneansvarlige, at det beskrevne produkt er i overensstemmelse med alle gældende bestemmelser i følgende direktiver og forordninger og opfylder følgende standarder.
sv	EU-konformitetsförklaring Sladdlös grensåg Produktnummer	Vi förklarar under eget ansvar att de nämnda produkterna uppfyller kraven i alla gällande bestämmelser i de nedan angivna direktiven och förordningarna och att de stämmer överens med följande normer.
no	EU-samsvarserklæring Batteridrevet høy grensag Produktnummer	Vi erklærer under eneansvar at de nevnte produktene er i overensstemmelse med alle relevante bestemmelser i direktivene og forordningene nedenfor og med følgende standarder.
fi	EU-vaatimustenmukaisuusvakuutus Akkukäyttöinen monitoimityökalu Tuotenumero	Vakuutamme täten, että mainitut tuotteet vastaavat kaikkia seuraavien direktiivien ja asetusten asiaankuuluvia vaatimuksia ja ovat seuraavien standardien vaatimusten mukaisia.
el	Δήλωση πιστότητας ΕΕ Μπαταρία τηλεσκοπικού αλυσοπρίονου Αριθμός ευρετηρίου	Δηλώνουμε με αποκλειστική μας ευθύνη, ότι τα αναφερόμενα προϊόντα αντιστοιχούν σε όλες τις σχετικές διατάξεις των πιο κάτω αναφερόμενων οδηγιών και κανονισμών και ταυτίζονται με τα ακόλουθα πρότυπα.
tr	AB Uygunluk beyanı Akülü zincirli budama testeresi Ürün kodu	Tek sorumlu olarak, tanımlanan ürünün aşağıdaki yönetmelik ve direktiflerin geçerli bütün hükümlerine ve aşağıdaki standartlara uygun olduğunu beyan ederiz.
pl	Deklaracja zgodności UE Akumulatorowe narzędzie do cięcia wysoko rosnących gałęzi Numer katalogowy	Oświadczamy z pełną odpowiedzialnością, że niniejsze produkty odpowiadają wszystkim wymaganiom poniżej wymienionych dyrektyw i rozporządzeń, oraz że są zgodne z następującymi normami.
cs	EU prohlášení o shodě Akumulátorový odvětvovač Objednací číslo	Prohlašujeme na výhradní zodpovědnost, že uvedený výrobek splňuje všechna příslušná ustanovení níže uvedených směrnic a nařízení a je v souladu s následujícími normami:
sk	EÚ vyhlásenie o zhode Akumulátorový orezávač vysokých konárov Vecné číslo	Vyhlasujeme na výhradnú zodpovednosť, že uvedený výrobok spĺňa všetky príslušné ustanovenia nižšie uvedených smerníc a nariadení a je v súlade s nasledujúcimi normami:
hu	EU konformitási nyilatkozat Akumulátoros magasági ágvágo Cikkszám	Egyedüli felelőséggel kijelentjük, hogy a megnevezett termék megfelelnek az alábbiakban felsorolásra kerülő irányelvek és rendeletek valamennyi idevágó előírásának és megfelelnek a következő szabványoknak.

III	CE
de	2000/14/EG: Gemessener Schallleistungspegel 92 dB(A), Unsicherheit K = 4 dB, garantierter Schallleistungspegel 96 dB(A) Technische Unterlagen bei: *
en	2000/14/EC: Measured sound power level 92 dB(A), uncertainty K = 4 dB, guaranteed sound power level 96 dB(A) Technical file at: *
fr	2000/14/CE : niveau de puissance acoustique mesuré 92 dB(A), incertitude K = 4 dB, niveau de puissance acoustique garanti 96 dB(A) Dossier technique auprès de : *
es	2000/14/CE: nivel medido de la potencia acústica 92 dB(A), tolerancia K = 4 dB, nivel garantizado de la potencia acústica 96 dB(A) Documentos técnicos de: *
pt	2000/14/CE: Nível de potência acústica medido 92 dB(A), insegurança K = 4 dB, nível de potência acústica garantido 96 dB(A) Documentação técnica pertencente à: *
it	2000/14/CE: livello di potenza sonora misurato 92 dB(A), incertezza K = 4 dB, livello di potenza sonora garantito 96 dB(A) Documentazione Tecnica presso: *
nl	2000/14/EG: gemeten geluidsvermogensniveau 92 dB(A), onzekerheid K = 4 dB, gegarandeerd geluidsvermogensniveau 96 dB(A) Technisch dossier bij: *
da	2000/14/EF: Målt lydeffektniveau 92 dB(A), usikkerhed K = 4 dB, garanteret lydeffektniveau 96 dB(A) Tekniske bilag ved: *
sv	2000/14/EG: Uppmätt bullernivå 92 dB(A), osäkerhet K = 4 dB, garanterad bullernivå 96 dB(A) Teknisk dokumentation: *
no	2000/14/EC: Målt lydeffektnivå 92 dB(A), usikkerhet K = 4 dB, garantert lydeffektnivå 96 dB(A) Teknisk dokumentasjon hos: *
fi	2000/14/EY: mitattu äänitehotaso 92 dB(A), epävarmuus K = 4 dB, taattu äänitehotaso 96 dB(A) Tekniset asiakirjat saatavana: *
el	2000/14/EK: Μετρημένη στάθμη ηχητικής ισχύος 92 dB(A), ανασφάλεια K = 4 dB, εγγυημένη στάθμη ηχητικής ισχύος 96 dB(A) Τεχνικά έγγραφα στη: *
tr	2000/14/EC: Ölçülen ses gücü seviyesi 92 dB(A), tolerans K = 4 dB, garanti edilen ses gücü seviyesi 96 dB(A) Teknik belgelerin bulunduğu yer: *
pl	2000/14/WE: pomierzony poziom mocy akustycznej 92 dB(A), niepewność K = 4 dB, gwarantowany poziom mocy akustycznej 96 dB(A) Dokumentacja techniczna: *
cs	2000/14/ES: změřená hladina akustického výkonu 92 dB(A), nejistota K = 4 dB, zaručená hladina akustického výkonu 96 dB(A) Technické podklady u: *
sk	2000/14/ES: odmeraná hladina akustického výkonu 92 dB(A), neistota K = 4 dB, zaručená hladina akustického výkonu 96 dB(A) Technické podklady má spoločnosť: *
hu	2000/14/EK: Mért hangteljesítmény-szint 92 dB(A), K szórás = 4 dB, garantált hangteljesítmény-szint 96 dB(A) Műszaki dokumentumok megőrzési pontja: *
ru	2000/14/EC: Измеренный уровень звуковой мощности 92 дБ(А), погрешность K = 4 дБ, гарантированный уровень звуковой мощности 96 дБ(А) Техническая документация хранится у: *
uk	2000/14/EC: виміряна звукова потужність 92 дБ(А), похибка K = 4 дБ, гарантована звукова потужність 96 дБ(А) Технічна документація зберігається у: *

CE	IV
kk	2000/14/EC: Өлшелген дыбыс қаттылығы 92 дБ(А), дәлсіздік К = 4 дБ, кепілденген дыбыс қаттылығы 96 дБ(А) Техникалық құжаттар: *
ro	2000/14/CE: Nivel măsurat al puterii sonore 92 dB(A), incertitudine K = 4 dB, nivel garantat al puterii sonore 96 dB(A) Documentație tehnică la: *
bg	2000/14/EO: измерено ниво на звуковата мощност 92 dB(A), неопределеност К = 4 dB, гарантирано ниво на мощността на звука 96 dB(A) Техническа документация при: *
mk	2000/14/EC: Измерено ниво на звучна јачина 92 dB(A), несигурност К = 4 dB, загарантирано ниво на звучна јачина 96 dB(A) Техничка документација кај: *
sr	2000/14/EC: izmereni nivo ostvarene buke 92 dB(A), nepouzdanost K = 4 dB, garantovani nivo ostvarene buke 96 dB(A) Tehnička dokumentacija kod: *
sl	2000/14/ES: Izmerjena raven zvočne moči 92 dB(A), negotovost K = 4 dB, zagotovljena raven zvočne moči 96 dB(A) Tehnična dokumentacija pri: *
hr	2000/14/EZ: Izmjerena razina učinka buke 92 dB(A), nesigurnost K = 4 dB, zajamčena razina učinka buke 96 dB(A) Tehnička dokumentacija se može dobiti kod: *
et	2000/14/EÜ: Mõõdetud helivõimsustase 92 dB(A), mõõtemääramatus K = 4 dB, garanteeritud helivõimsustase 96 dB(A) Tehnilised dokumendid saadaval: *
lv	2000/14/EK: izmērītais trokšņa jaudas līmenis ir 92 dB(A), izkliede K ir = 4 dB, garantētais trokšņa jaudas līmenis ir 96 dB(A) Tehniskā dokumentācija no: *
lt	2000/14/EB: išmatuotas garso galios lygis 92 dB(A), paklaida K = 4 dB, garantuotas garso galios lygis 96 dB(A) Techninė dokumentacija saugoma: *


BOSCH

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