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Germany

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F 016 L70 963 (2013.11) O / 13 XXX



ALB

36 LI



en Original instructions



English

Safety Notes

Warning! Read these instructions carefully, be familiar with the controls and the proper use of the machine. Please keep the instructions safe for later use!

Explanation of symbols on the machine

-  General hazard safety alert.
-  Read instruction manual.
-  Pay attention that bystanders are not injured through foreign objects thrown from the machine.
-  Rotating fan. Keep hands and feet out of the openings while the machine is running.
-  Keep bystanders a safe distance away from the machine.
-  Do not open or remove safety shield while motor is running.
-  Warning: Keep a safe distance from the machine when operating.
-  Always wear ear protection.
-  Wear safety goggles.
-  Remove battery before adjusting or cleaning, and before leaving the machine unattended for any period.
-  Do not work in the rain or leave the cordless leaf blower outdoors whilst raining.
-  Do not use the charger if the cord is damaged.



Only use the battery charger indoors.

Battery charger contains a safety transformer.


Operation

- ▶ Never allow children or people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator. When not in use store the machine out of reach of children.
- ▶ This machine 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 machine by a person responsible for their safety. Children should be supervised to ensure that they do not play with the machine.
- ▶ The operator or user is responsible for accidents or hazards occurring to other people or their property.
- ▶ Other persons and animals should remain at a distance of 3 metres or more when the machine is being used. The operator is responsible for third persons in the working area.
- ▶ Never operate the machine while people, especially children or pets, are nearby.
- ▶ Use the machine only in daylight or good artificial light.
- ▶ Never operate the product when you are tired, ill or under the influence of alcohol, drugs or medicine.
- ▶ Avoid operating the machine in bad weather conditions especially when there is a risk of lightning.
- ▶ Do not operate the machine when barefoot or wearing open sandals, always wear substantial footwear and long trousers.
- ▶ Failure to keep loose clothing from being drawn into air intake could result in personal injury.
- ▶ Do not operate without tubes in place.
- ▶ Failure to keep long hair away from the air inlet could result in personal injury.
- ▶ Always be sure of your footing on slopes.
- ▶ Keep all cooling air inlets clear of debris.
- ▶ Never blow debris in the direction of bystanders.
- ▶ **Do not modify this product.** Unauthorized modifications may impair the safety of your product and may result in increased noise and vibration.
- ▶ Walk, never run.
- ▶ Do not overreach and keep your balance at all time.


Maintenance

- ▶ Keep all nuts, bolts and screws tight to be sure that the machine is in safe working condition.
- ▶ Examine the machine and replace worn or damaged parts for safety.
- ▶ Ensure replacement parts fitted are Bosch approved.

Recommendations for Optimal Handling of the Battery

- ▶ **Before any work on the garden product itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the garden product.** There is danger of injury when unintentionally actuating the On/Off switch.
- ▶ **Use only Bosch battery packs intended specifically for the machine.** Use of any other battery packs may create a risk of injury and fire.
- ▶ **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.
- ▶ **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.
- ▶ **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 irritations or burns.
- ▶ **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.
- ▶ **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.
- ▶ **If the battery becomes defective, liquid can escape and come into contact with adjacent components. Check any parts concerned.** Clean such parts or replace them, if required.
- ▶ **Use the battery only in conjunction with your Bosch product.** This measure alone protects the battery against dangerous overload.
- ▶ **Use only original Bosch batteries with the voltage listed on the nameplate of your product.** When using other batteries, e. g. imitations, reconditioned batteries or other brands, there is danger of injury as well as property damage through exploding batteries.
- ▶ Protect the battery against moisture and water.
- ▶ Store the battery only within a temperature range between 0 °C and 50 °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



-  **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 or lithium ion batteries installed in Bosch products. 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.
- ▶ **Supervise children.** This will ensure that children do not play with the charger.
- ▶ **Children or persons that owing to their physical, sensory or mental limitations or to their lack of experience or knowledge, are not capable of securely operating the charger, may only use this charger under supervision or after having been instructed by a responsible person.** Otherwise, there is danger of operating errors and injuries.

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.

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 garden product in a better and safer manner.

Symbol	Meaning
	Wear protective gloves
	Reaction direction

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Symbol	Meaning
	Movement direction
	Weight
	Switching On
	Switching Off
	Audible noise
	Accessories/Spare parts

Intended Use

The product is intended for blowing leaves, garden waste such as grass, twigs and pine needles.

Technical Data

Cordless leaf blower		ALB 36 LI
Article number		3 600 HA0 4..
Air speed, max.	km/h	250
Weight according to EPTA-Procedure 01/2003	kg	1.6
Set (with battery)	kg	2.8
Battery		Li-Ion
Article number		2 607 336 107
Rated voltage	V=	36
Capacity	Ah	2.6
Charging period (battery discharged)	min	95
Number of battery cells		20
Battery		Li-Ion
Article number		2 607 337 047
Rated voltage	V=	36
Capacity	Ah	4.0
Charging period (battery discharged)	min	95
Number of battery cells		20

*with AL 3620 CV Professional charger
Please observe the article number on the type plate of your garden product. The trade names of the individual garden products may vary.

Cordless leaf blower		ALB 36 LI
Battery Charger		AL 3620 CV Professional
Article number	EU	2 607 225 657
	UK	2 607 225 659
	AU	2 607 225 661
Charging current	A	2.0
Allowable charging temperature range	°C	0 – 45
Weight according to EPTA-Procedure 01/2003	kg	0.6
Protection class		□/II
Battery Charger		AL 3640 CV Professional
Article number	EU	2 607 225 099
	UK	2 607 225 102
	AU	2 607 225 103
Charging current	A	4.0
Allowable charging temperature range	°C	0 – 45
Weight according to EPTA-Procedure 01/2003	kg	1.0
Protection class		□/II
Serial number		see type plate on the garden product

*with AL 3620 CV Professional charger

Please observe the article number on the type plate of your garden product. The trade names of the individual garden products may vary.

Noise/Vibration Information

Measured sound values determined according to EN 60335. Typically the A-weighted noise levels of the product are: Sound pressure level 78 dB(A); sound power level 90 dB(A). Uncertainty K = 1 dB.

Wear hearing protection!


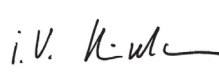
Vibration total values a_h (triax vector sum) and uncertainty K determined according to EN 60335: $a_h = 2,9 \text{ m/s}^2$, $K = 1,5 \text{ m/s}^2$.

Declaration of Conformity

We declare under our sole responsibility that the product described under "Technical data" is in conformity with the following standards or standardization documents: EN 60335 according to the provisions of the directives 2011/65/EU, 2004/108/EC, 2006/42/EC, 2000/14/EC. 2000/14/EC: Guaranteed sound power level 91 dB(A). Conformity assessment procedure according to Annex V. Equipment category: 34

Technical file (2006/42/EC, 2000/14/EC) at:
Bosch Lawn and Garden Ltd., PT-LG/ENS4,
Stowmarket, Suffolk IP14 1EY, England

Henk Becker Executive Vice President
Engineering
Helmut Heinzelmann Head of Product Certification
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Hpa.
 i.v. 

Robert Bosch GmbH, Power Tools Division
D-70745 Leinfelden-Echterdingen
24.09.2013

Mounting and Operation

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Starting

For Your Safety

- ▶ **Before any work on the garden product itself (e. g. maintenance, tool change, etc.) as well as during transport and storage, remove the battery from the garden product.** There is danger of injury when unintentionally actuating the On/Off switch.
- ▶ **The machine continues to blow for a few seconds after being switched off. Allow the motor to stop rotating before switching "on" again. Do not rapidly switch off and on.**

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 is supplied 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 gun speed drops instantly to signify the battery requires charging.

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

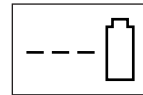
Charging Procedure

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.

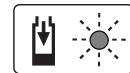
Due to the intelligent charging method, the charging condition of the battery is automatically detected and the battery is charged with the optimum charging current, depending on battery temperature and voltage.

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

Rapid-charging Procedure



AL 3640 CV
Professional



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The rapid-charging procedure is indicated by **flashing** of the **green charge control LED**.

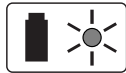
Indication element of the battery: During the charging procedure, the three green LEDs light up one after the other and briefly go out. The battery is fully charged when the three green LEDs light up continuously. The three LEDs go out again approx. 5 minutes after the battery has been fully charged.

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

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Battery Charged

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Professional**

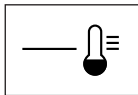


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Professional**

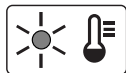
Continuous lighting of the **green charge control LED** signals that the battery is fully charged.

Additionally, a signal tone sounds for approx. 2 seconds, which acoustically indicates that the battery is fully charged. Afterwards, the battery can be removed for immediate use.

With no battery inserted, **continuous lighting** of the **green charge control LED** indicates that the mains plug is plugged into the socket and that the battery charger is ready for operation.

Battery Temperature below 0 °C or above 45 °C

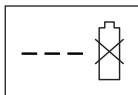
**AL 3640 CV
Professional**



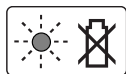
**AL 3620 CV
Professional**

Continuous lighting of the **red LED** indicates that the battery temperature is not within the rapid-charging temperature range of 0 °C – 45 °C. As soon as the allowable temperature range is reached, the battery charger automatically switches to rapid charging.

When the battery is not within the allowable temperature range, the red battery LED lights up when inserting the battery into the battery charger.

No charging procedure possible

**AL 3640 CV
Professional**



**AL 3620 CV
Professional**

If a different malfunction of the charging procedure is present, this will be indicated through **flashing** of the **red charge control LED**.

The charging procedure cannot be started and the battery cannot be charged (see section "Troubleshooting").

Charging Advice

With continuous or several repetitive charging cycles without interruption, the charger can warm up. This is not meaningful and 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.

Observe the notes for disposal.

Battery Cooling (Active Air Cooling)

The fan control integrated in the battery charger controls the temperature of the inserted battery. When the battery temperature is above 30 °C, a fan cools down the battery to the optimal charging temperature. The switched-on fan produces a fan noise.

The battery temperature is within the optimal charging temperature range when the fan is not running. Another reason for a non working fan might be that it is defective. In this case, the charging time of the battery might be extended.

Battery Charge-control Indication

The battery charge-control indicator consists of three green LEDs, and indicates the charge condition of the battery for a few seconds when the On/Off switch is pressed halfway or fully.

LED	Capacity
Continuous lighting 3 x green	≥ 2/3
Continuous lighting 2 x green	≥ 1/3
Continuous lighting 1 x green	< 1/3
Flashing light 1 x green	Reserve

Working Advice

When operating, always hold the machine approximately 3 cm above the ground.

Do not blow hot, flammable or explosive material.

Troubleshooting



Problem	Possible Cause	Corrective Action
Machine does not start after turning on	The switch was not turned off properly before the battery was inserted	Turn it off, wait for 3 seconds before turning on again
Machine fails to operate	Battery discharged	Recharge battery; also see "Battery Charging"
	Battery too hot/cold	Allow to cool/warm
	Garden product defective	Contact Service Agent
	Internal wiring of garden product damaged	Contact Service Agent
Machine functions intermittently	On/Off switch defective	Contact Service Agent
Excessive vibrations/noise	Garden product defective	Contact Service Agent
Run time per battery charge too low	Battery has not been used for long period or only for short terms	Fully charge battery; also see "battery charging"
	Battery dead or defective	Replace the battery
		Adjust to suitable speed
Machine does not blow	Tube obstructed	Clear tube
	Hard shut-off	Turn machine off and charge battery when fan speed drops noticeably
Tube cannot be mounted on the machine	Incorrect assembly	see "assembly"
Continuous lighting of the battery charge indicator No charging procedure possible	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 pack defective	Replace the battery
Battery charge indicator does 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

After-sales Service and Application Service

www.bosch-garden.com

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

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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 garden product, accessories and packaging should be sorted for environmental-friendly recycling.

Do not dispose of garden products, battery chargers and batteries/rechargeable batteries into household waste!

Only for EC countries:

According to the European law 2012/19/EU, electrical and electronic equipments that are no longer usable, and according to the European law 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:

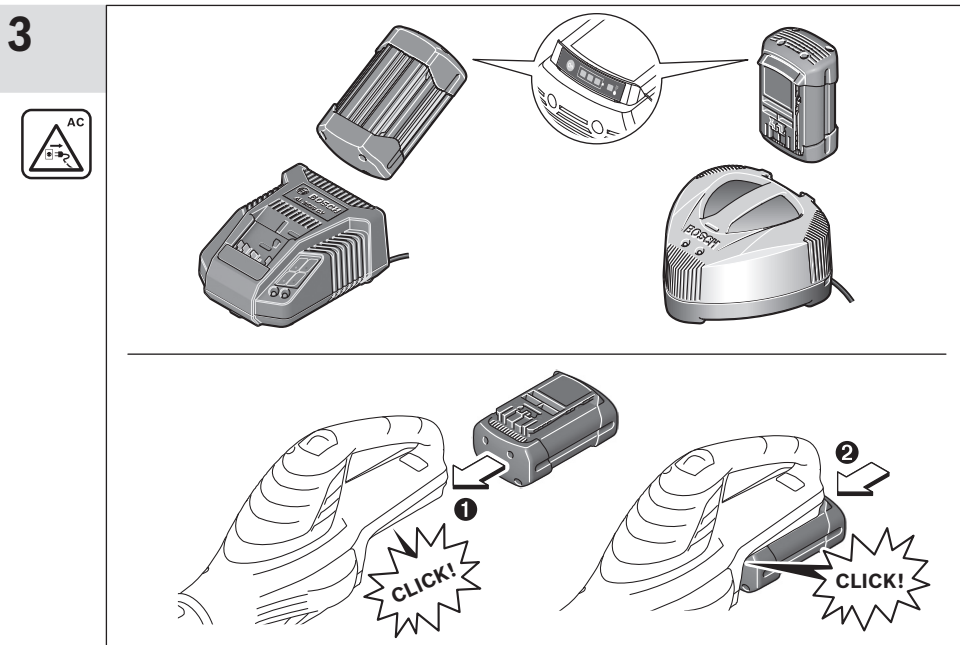
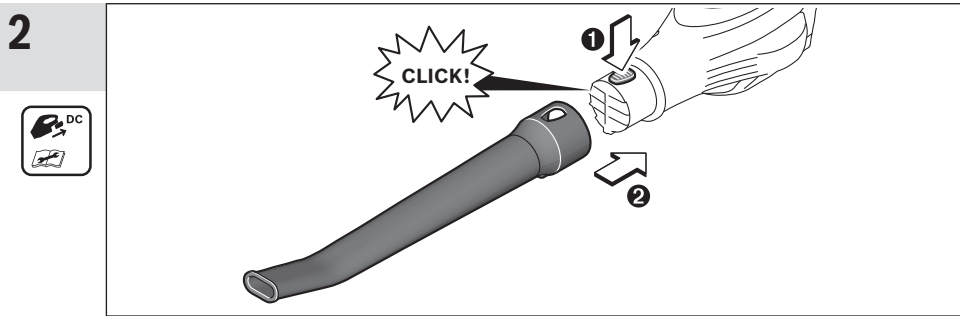
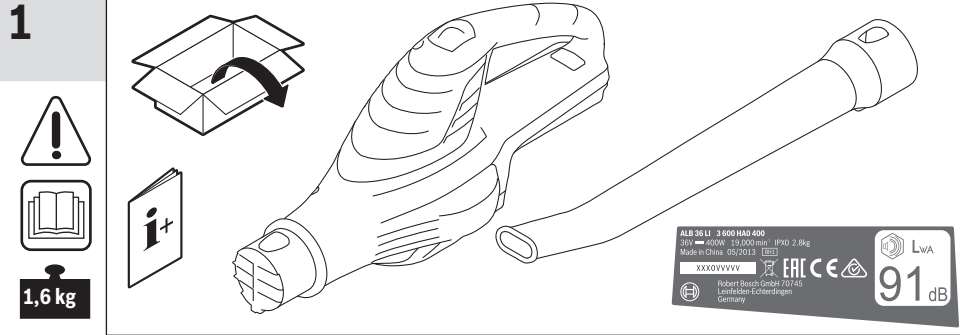
Great Britain

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Tel. Service: (0844) 7360109
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E-Mail: boschservicecentre@bosch.com

Battery packs/batteries:**Li-Ion:**

Please observe the instructions in section "Transport".

Subject to change without notice.

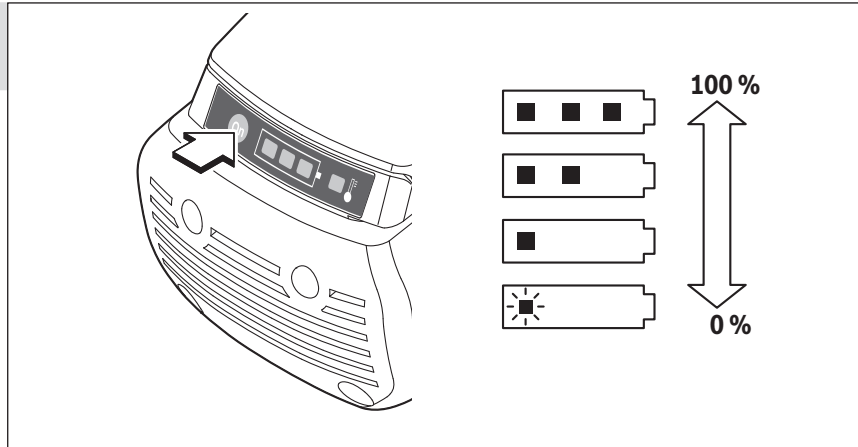




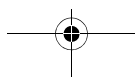
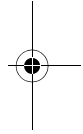
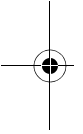
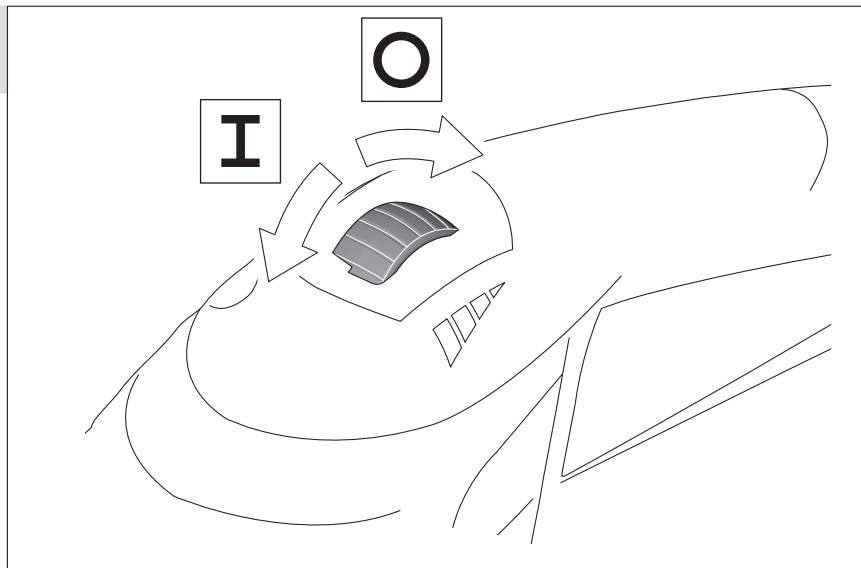
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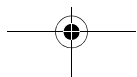
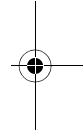
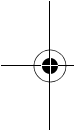


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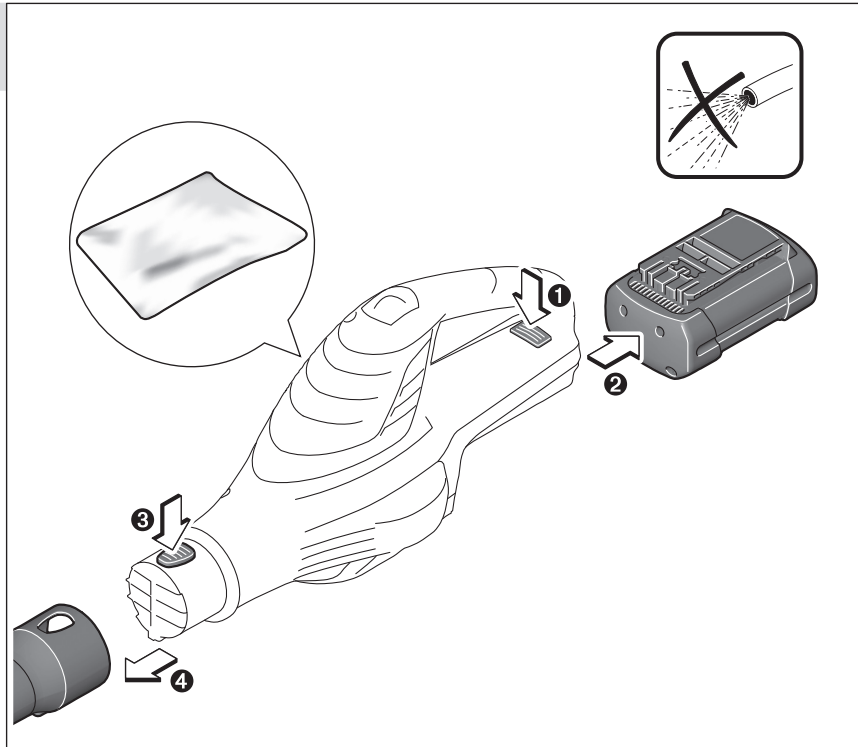




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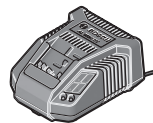
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8



F 016 800 346
(4,0 Ah)



F 016 800 313 (EU)



F 016 800 301
(2,6 Ah)



2 607 225 100 (EU)
2 607 225 102 (UK)
2 607 225 104 (AU)



F 016 800 302
(1,3 Ah)