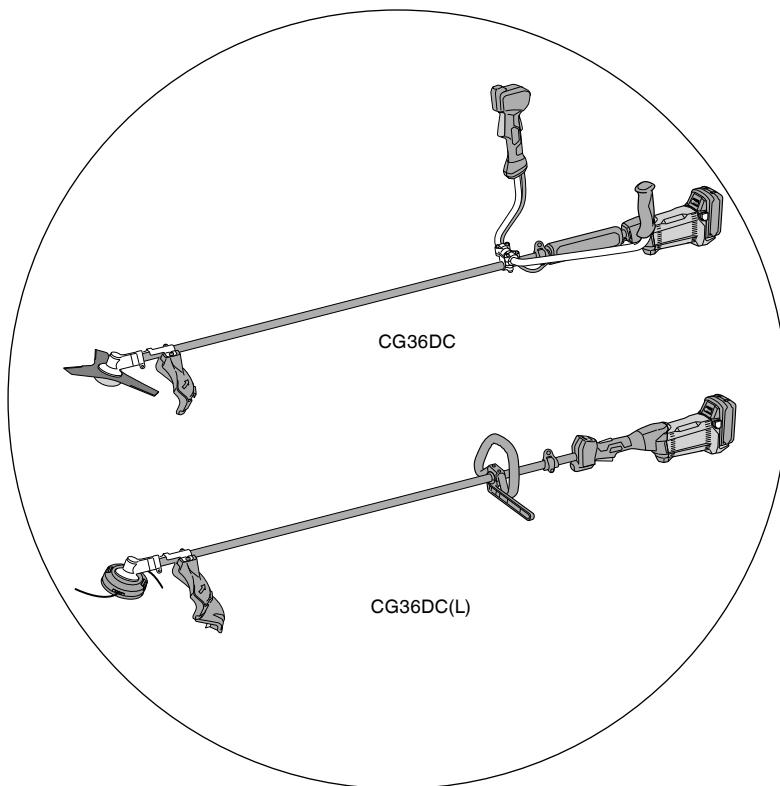


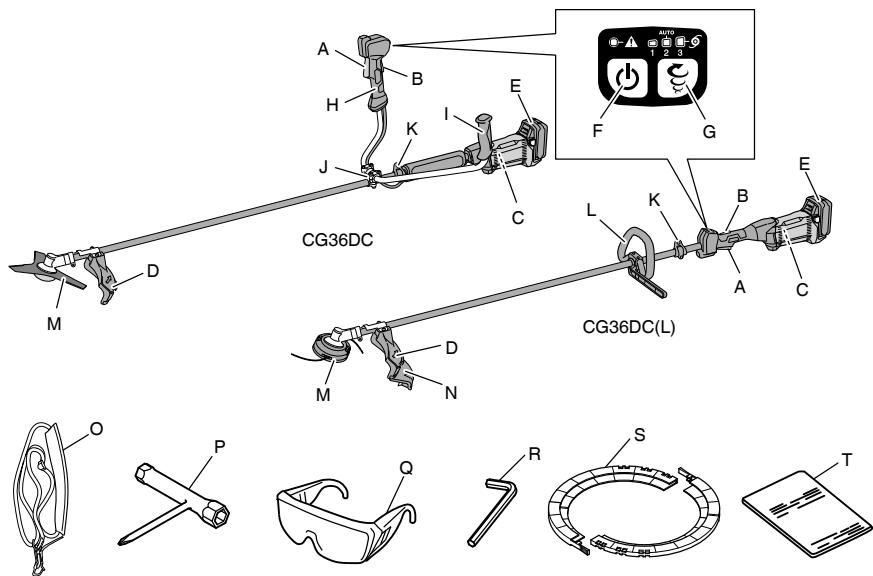
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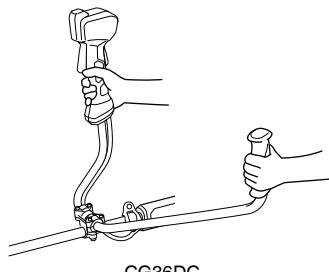
en Handling instructions

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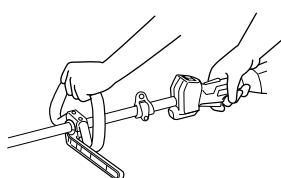
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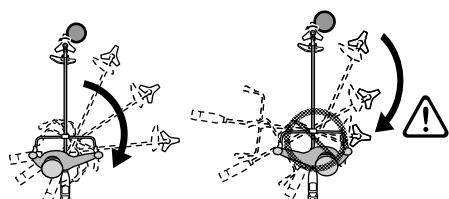
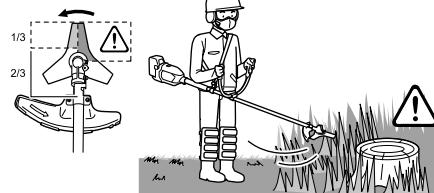


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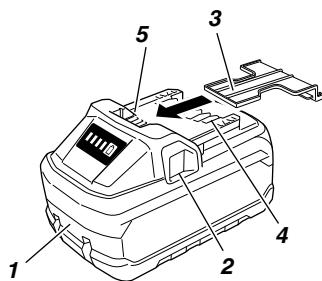


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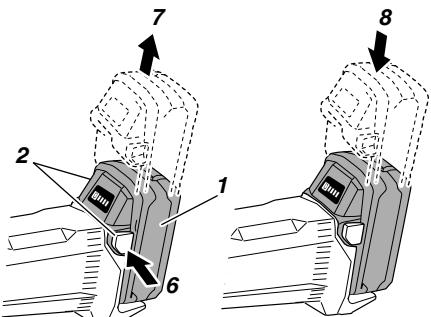
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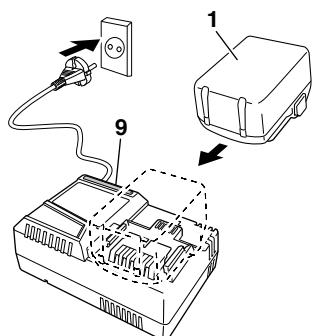
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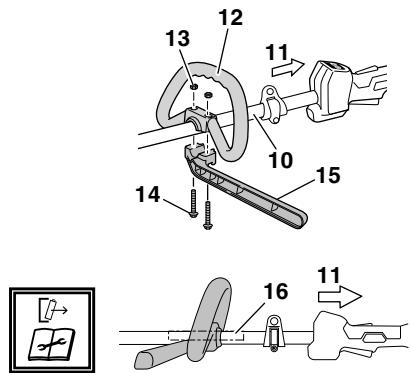
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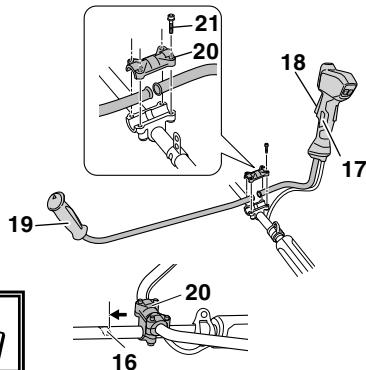
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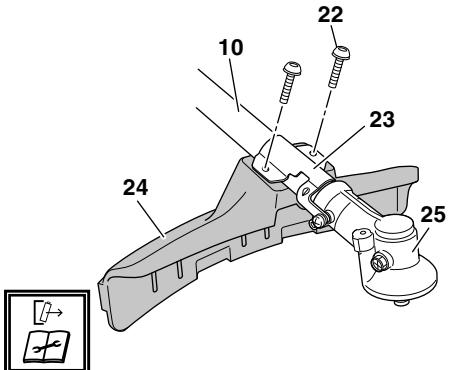
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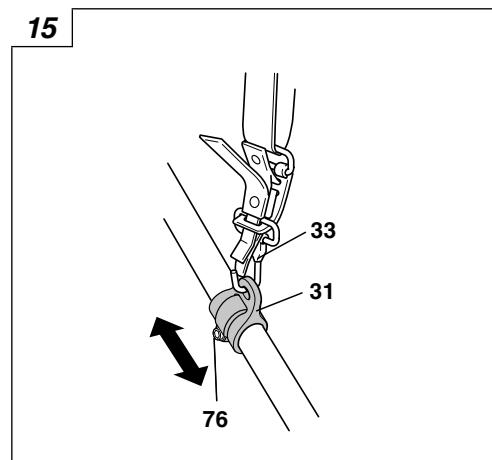
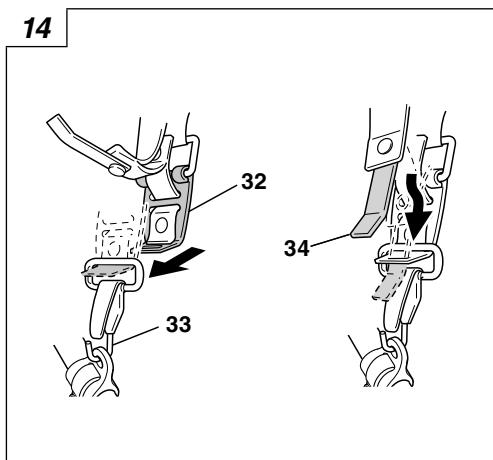
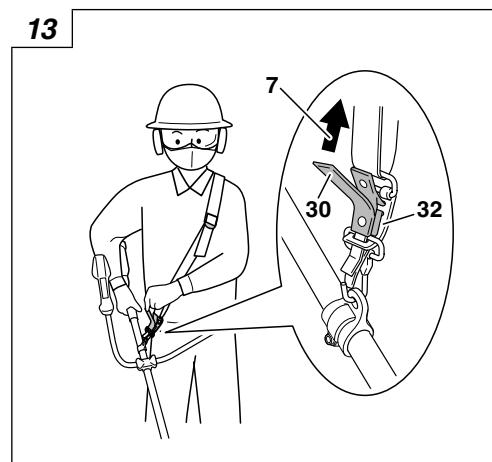
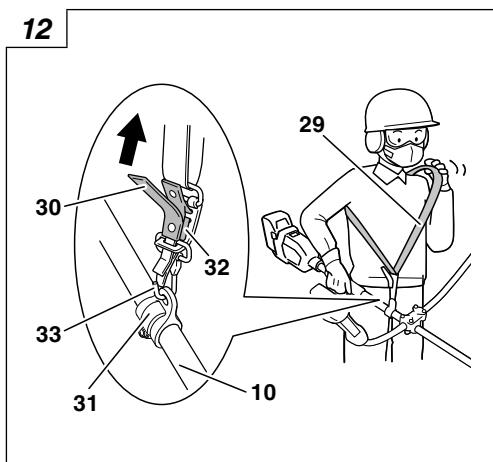
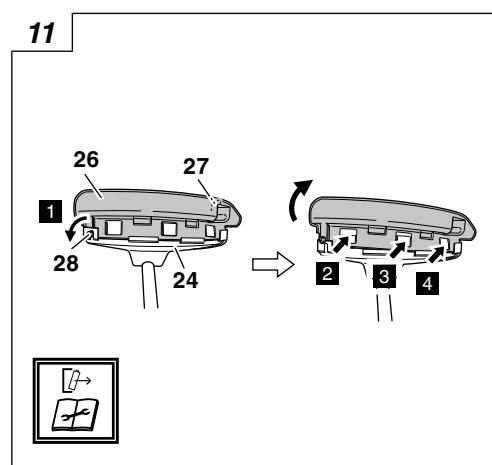
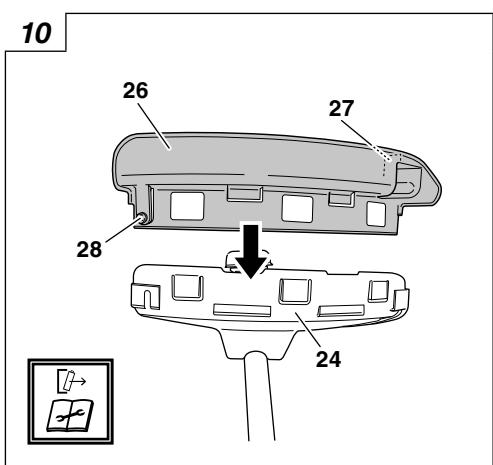


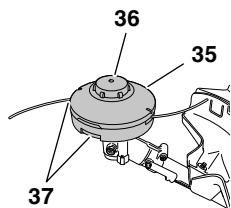
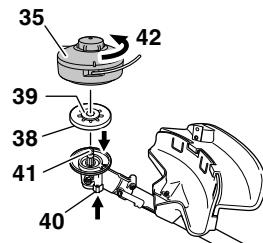
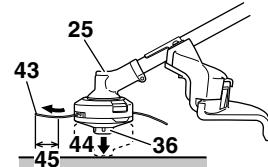
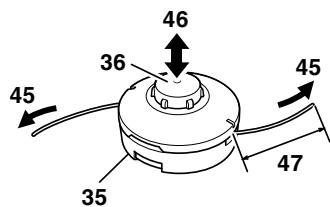
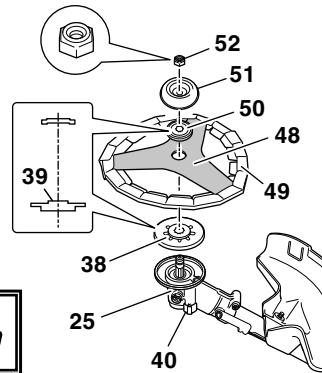
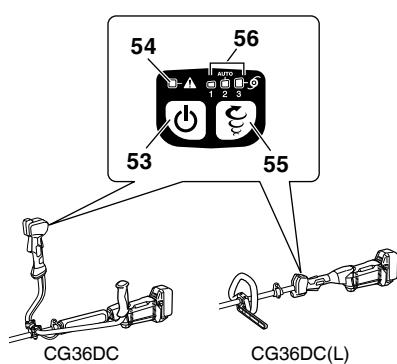
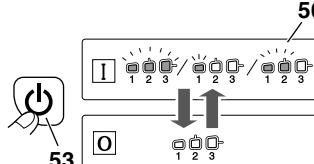
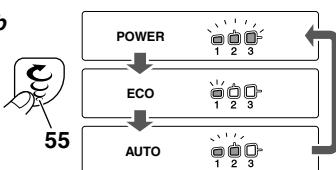
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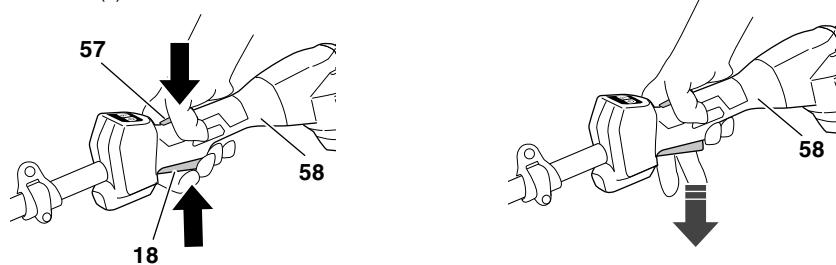
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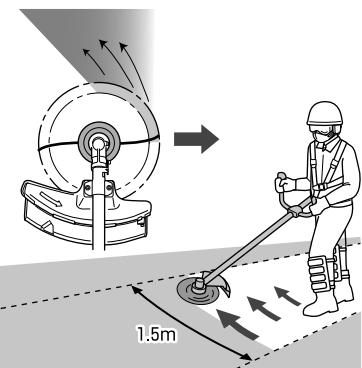
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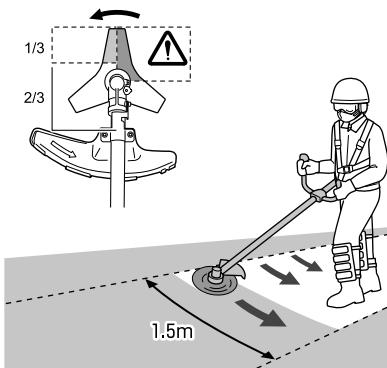
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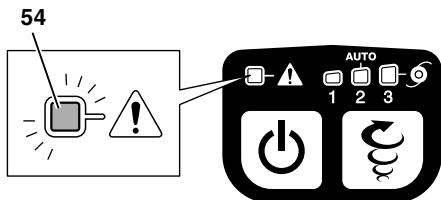
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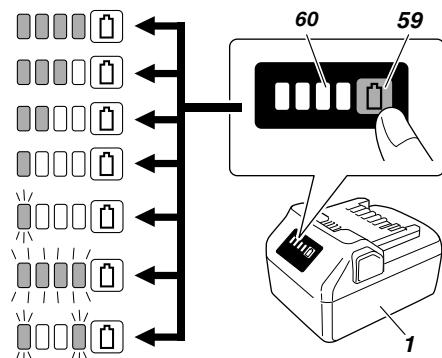
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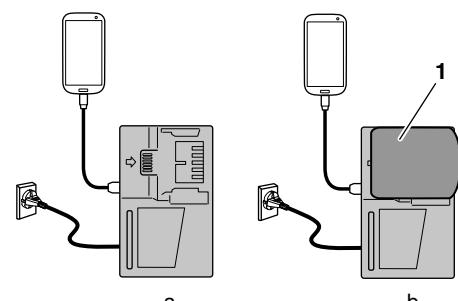
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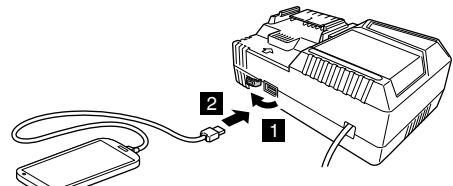
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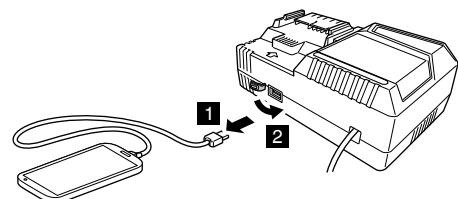
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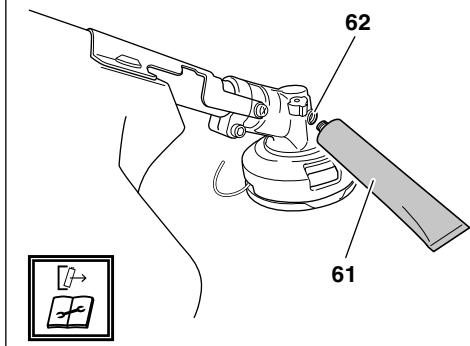
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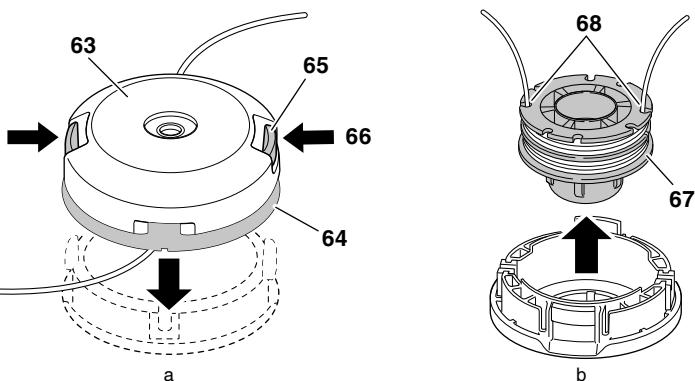
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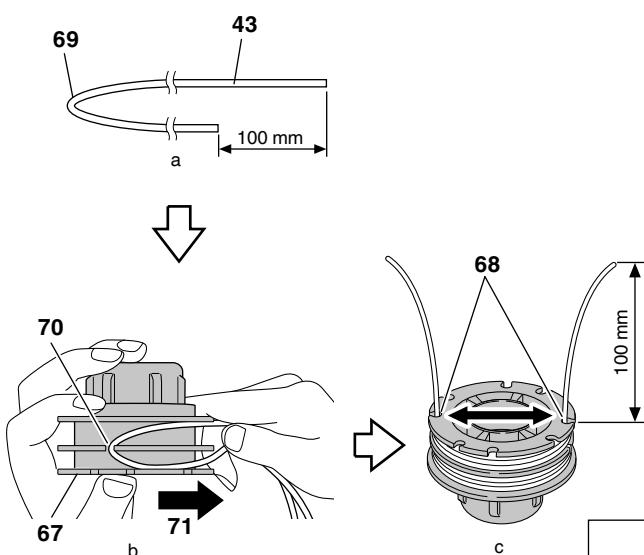
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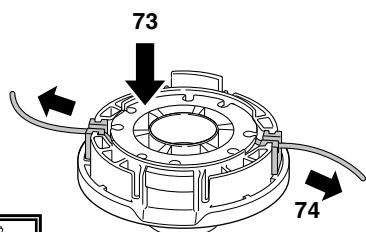
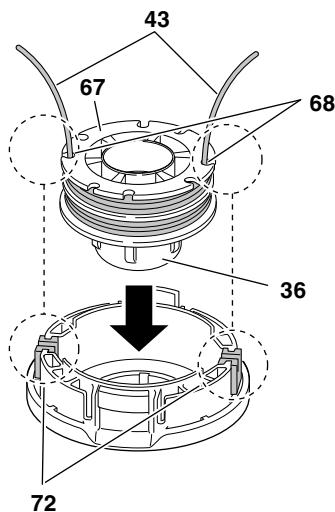
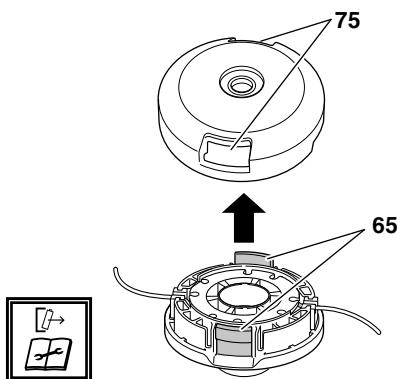
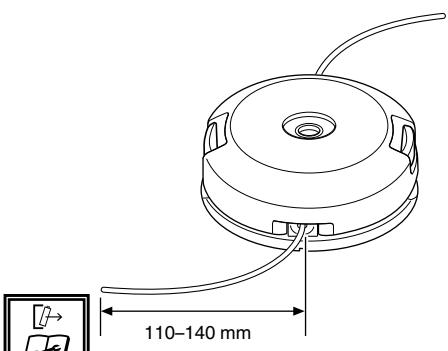
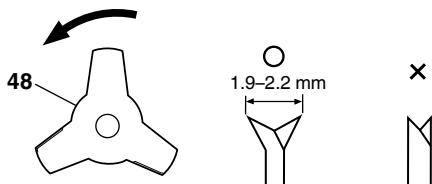


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SYMBOLS

WARNING

The following show symbols used for the machine. Be sure that you understand their meaning before use.

	CG36DC / CG36DC(L): Cordless Grass Trimmer / Brush Cutter
	To reduce the risk of injury, user must read instruction manual.
	Disconnect battery before maintenance
	Always wear eye protection.
	Always wear hearing protection.
	Do not use a power tool in the rain and moisture or leave it outdoors when it is raining.
	Beware of thrown objects
	The distance between the machine and bystanders shall be at least 15 m (50 ft)
	Wear head protection
	Wear hand protection
	Wear slip-resistant footwear
	Beware of blade thrust
	It is important that you read, fully understand and observe the following safety precautions and warnings. Careless or improper use of the unit may cause serious or fatal injury.
	Read, understand and follow all warnings and instructions in this manual and on the unit.
	Prohibited action
	Always wear eye, head and ear protectors when using this unit.
	Keep all children, bystanders and helpers 15 m away from the unit. If anyone approaches you, stop the unit and cutting attachment immediately.

	Be careful of thrown objects.
	Shows maximum shaft speed. Do not use the cutting attachment whose max rpm is below the shaft rpm.
	Gloves should be worn when necessary, e.g., when assembling cutting equipment.
	Use anti-slip and sturdy footwear.
	Blade thrust may occur when the spinning blade contacts a solid object in the critical area. A dangerous reaction may occur causing the entire unit and operator to be thrust violently. This reaction is called blade thrust. As a result, the operator may lose control of the unit which may cause serious or fatal injury. Blade thrust is more likely to occur in areas where it is difficult to see the material to be cut.
	Indicate handle location. Arrows which show limits for handle positioning.
	(CG36DC)
	(CG36DC(L))
	Direct current
V	Rated voltage
	No-load speed
	Switching ON
	Switching OFF
	Eco mode
	Auto mode
	Power mode
	Protection function activates

Battery

	Lights ; The battery remaining power is over 75%
	Lights ; The battery remaining power is 50%–75%.
	Lights ; The battery remaining power is 25%–50%.
	Lights ; The battery remaining power is less than 25%

	Blinks ; The battery remaining power is nearly empty. Recharge the battery soonest possible.
	Blinks ; Output suspended due to high temperature. Remove the battery from the tool and allow it to fully cool down.
	Blinks ; Output suspended due to failure or malfunction. The problem may be the battery so please contact your dealer.

WHAT IS WHAT? (Fig. 1)

- A: Lever: Trigger for activating the unit.
- B: Lock lever: Lever that prevents the accidental operation of the trigger.
- C: Motor: Battery-driven motor.
- D: Guard: Protects operator from flying debris.
- E: Battery (sold separately): Power source to drive the unit.
- F: Power switch: Switch for switching the units power unit's power ON or OFF.
- G: Mode switch: Switch for adjusting the speed of the motor.
- H: Handle right: Handle with lever located on the right side of the unit.
- I: Handle left: Handle located on the left side of the unit.
- J: Handle fixture: Secures the handles to the unit.
- K: Hanger: Used for attaching a shoulder belt to the unit.
- L: Loop handle
- M: Cutting attachment (Nylon head / Blade)
- N: Guard extension
- O: Shoulder belt: Harness with release mechanism.
- P: Combi box spanner
- Q: Goggles
- R: Hex bar wrench
- S: Blade cover
- T: Handling instructions

WARNINGS AND SAFETY INSTRUCTIONS

Pay special attention to statements preceded by the following words:

WARNING

Indicates a strong possibility of severe personal injury or loss of life, if instructions are not followed.

CAUTION

Indicates a possibility of personal injury or equipment damage, if instructions are not followed.

NOTE

Helpful information for correct function and use.

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.

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 a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

English

- 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 and clothing away from moving parts.
Loose clothes, jewellery or long hair can be caught in moving parts.
 - g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.
Use of dust collection can reduce dust-related hazards.
 - h) Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.
A careless action can cause severe injury within a fraction of a second.
- 4) Power tool use and care
- a) Do not force the power tool. Use the correct power tool for your application.
The correct power tool will do the job better and safer at the rate for which it was designed.
 - b) Do not use the power tool if the switch does not turn it on and off.
Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
 - c) Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.
Such preventive safety measures reduce the risk of starting the power tool accidentally.
 - d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
Power tools are dangerous in the hands of untrained users.
 - e) Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.
Many accidents are caused by poorly maintained power tools.
 - f) Keep cutting tools sharp and clean.
Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.
Use of the power tool for operations different from those intended could result in a hazardous situation.

- h) Keep handles and grasping surfaces dry, clean and free from oil and grease.
Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- 5) 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.
 - e) 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.
 - f) Do not expose a battery pack or tool to fire or excessive temperature.
Exposure to fire or temperature above 130°C may cause explosion.
 - g) 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.

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

PRECAUTION

Keep children and infirm persons away.
When not in use, tools should be stored out of reach of children and infirm persons.

CORDLESS GRASS TRIMMER / BRUSH CUTTER SAFETY WARNINGS

- a) **Do not use the machine in bad weather conditions, especially when there is a risk of lightning.** *This decreases the risk of being struck by lightning.*
- b) **Thoroughly inspect the area for wildlife where the machine is to be used.** *Wildlife may be injured by the machine during operation.*
- c) **Thoroughly inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects.** *Thrown objects can cause personal injury.*
- d) **Before using the machine, always visually inspect to see that the cutter or blade and the cutter or blade assembly are not damaged.** *Damaged parts increase the risk of injury.*
- e) **Follow instructions for changing accessories.** *Improperly tightened blade securing nuts or bolts may either damage the blade or result in it becoming detached.*
- f) **The rated rotational speed of the blade must be at least equal to the maximum rotational speed marked on the machine.** *Blades running faster than their rated rotational speed can break and fly apart.*
- g) **Wear eye, ear, head and hand protection.** *Adequate protective equipment will reduce personal injury by flying debris or accidental contact with the cutting line or blade.*
- h) **While operating the machine, always wear non-slip and protective footwear.** *Do not operate the machine when barefoot or wearing open sandals. This reduces the chance of injury to the feet from contact with the moving cutters or lines.*
- i) **While operating the machine, always wear safety footwear.** *Do not operate the machine when barefoot or wearing open sandals. This reduces the chance of injury to the feet from contact with a moving cutter, line or blade.*
- j) **While operating the machine, always wear long trousers.** *Exposed skin increases the likelihood of injury from thrown objects.*
- k) **Keep bystanders away while operating the machine.** *Thrown debris can result in serious personal injury.*
- l) **Always use two hands when operating the machine.** *Holding the machine with both hands will avoid loss of control. (Fig. 2)*
- m) **Hold the machine by the insulated gripping surfaces only, because the cutting line or blade may contact hidden wiring.** *Cutting line or blades contacting a "live" wire may make exposed metal parts of the machine "live" and could give the operator an electric shock.*
- n) **Always keep proper footing and operate the machine only when standing on the ground.** *Slippery or unstable surfaces may cause a loss of balance or control of the machine.*
- o) **Do not operate the machine on excessively steep slopes.** *This reduces the risk of loss of control, slipping and falling which may result in personal injury.*
- p) **When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction.** *This reduces the risk of loss of control, slipping and falling which may result in personal injury.*
- q) **Keep all parts of the body away from the cutter, line or blade when the machine is operating.** *Before you start the machine, make sure the cutter, line or blade is not contacting anything. A moment of inattention while operating the machine may result in injury to yourself or others.*
- r) **Do not operate the machine above waist height.** *This helps prevent unintended cutter or blade contact and enables better control of the machine in unexpected situations.*
- s) **When cutting brush or saplings that are under tension, be alert for spring back.** *When the tension in the wood fibres is released, the brush or sapling may strike the operator and/or throw the machine out of control.*
- t) **Use extreme caution when cutting brush and saplings.** *The slender material may catch the blade and be whipped toward you or pull you off balance.*
- u) **Maintain control of the machine and do not touch cutters, lines or blades and other hazardous moving parts while they are still in motion.** *This reduces the risk of injury from moving parts.*
- v) **When clearing jammed material or servicing the machine, make sure the switch is off and the battery pack is removed.** *Unexpected starting of the machine while clearing jammed material or servicing may result in serious personal injury.*
- w) **Carry the machine with the machine switched off and away from your body.** *Proper handling of the machine will reduce the likelihood of accidental contact with a moving cutter, line or blade.*
- x) **When transporting or storing the machine, always fit the cover on metal blades.** *Proper handling of the machine will reduce the likelihood of accidental contact with the blade.*
- y) **Only use replacement cutters, lines, cutting heads and blades specified by the manufacturer.** *Incorrect replacement parts may increase the risk of breakage and injury.*

BLADE THRUST CAUSES AND RELATED WARNINGS

Blade thrust is a sudden sideways, forward or backward motion of the machine, which may occur when the blade jams or catches on an object such as a sapling or a tree stump. It can be violent enough to cause the machine and/or operator to be propelled in any direction, and possibly lose control of the machine.

Blade thrust and its related hazards can be avoided by taking proper precautions as given below.

- a) **Maintain a firm grip with both hands on the machine and position your arms to resist blade thrust.** *Position your body to the left side of the machine. Blade thrust can increase the risk of injury due to the machine moving unexpectedly. Blade thrust can be controlled by the operator if proper precautions are taken.*
- b) **If the blade binds, or when interrupting a cut for any reason, switch the machine off and hold the machine motionless in the material until the blade comes to a complete stop.** *While the blade is binding, never attempt to remove the machine from the material or pull the machine backward while the blade is in motion, otherwise blade thrust may occur. Investigate and take corrective actions to eliminate the cause of blade binding.*
- c) **Do not use blunt or damaged blades.** *Blunt or damaged blades increase the risk of jamming or catching on an object, resulting in blade thrust.*
- d) **Always maintain good visibility of the material being cut.** *Blade thrust is more likely to occur in areas where it is difficult to see the material being cut.*
- e) **If you are approached by another person while operating the machine, switch the machine off.** *There is an increased risk of injury to other persons being struck by the moving blade in the event of blade thrust.*

ADDITIONAL SAFETY WARNINGS

IMPORTANT READ CAREFULLY BEFORE USE KEEP FOR FUTURE REFERENCE

Safe operation practices

● Training

- a) Read the instructions carefully. Be familiar with the controls and the correct use of the machine.
- b) Never allow people unfamiliar with these instructions or children to use the machine. Local regulations can restrict the age of the operator.
- c) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

● Preparation

- a) Before use check the supply and extension cord for signs of damage or aging. If the cord becomes damaged during use, disconnect the cord from the supply immediately.

DO NOT TOUCH THE CORD BEFORE DISCONNECTING THE SUPPLY.

Do not use the machine if the cord is damaged or worn.

- b) Before use, always visually inspect the machine for damaged, missing or misplaced guards or shields.

- c) Never operate the machine while people, especially children, or pets are nearby.

- d) Never replace nylon head with metalic cutting means.

● Operation

- a) Wear eye protection, stout shoes and long trousers at all times while operating the machine.

- b) Avoid using the machine in bad weather conditions especially when there is a risk of lightning.

- c) Use the machine only in daylight or good artificial light.

- d) Never operate the machine with damaged guards or shields or without guards or shields in place.

- e) Switch on the motor only when the hands and feet are away from the cutting means.

- f) Always disconnect the machine from the power supply (i.e. remove the plug from the mains or remove the disabling device)

- whenever the machine is left user;
 - before clearing a blockage;
 - before checking, cleaning or working on the machine;
 - after striking a foreign object to inspect the machine for damage;
 - if the machine starts to vibrate abnormally, for immediately check.

- g) Take care against injury to feet and hands from the cutting means.

- h) Always ensure that the ventilation openings are kept clear of debris.

- i) Never modify the unit/machine in any way. Do not use your unit/machine for any job except that for which it is intended.

- j) If the unit striking a hard object or there appears to be excessive vibration, inspect it carefully to check there is no damage, cracks or deformation.
Using a tool that is damaged, cracked or deformed could result in injury.

- k) The guard extension is equipped with the knife.
Never place your hands near the knife.

- l) Do not wear multiple belt harnesses or multiple shoulder harnesses at the same time.

When wearing the shoulder belt, make sure that other attachments do not interfere with the quick release bracket of the shoulder belt.

● Maintenance, transport and storage

- a) Disconnect the machine from the power supply (i.e. remove the plug from the mains or remove the disabling device) before carrying out maintenance or cleaning work.
- b) Use only the manufacturer's recommended replacement parts and accessories.
- c) Inspect and maintain the machine regularly. Have the machine repaired only by an authorized repairer.
- d) When not in use, store the machine out of the reach of children.
- e) When transporting in a vehicle or storage, cover blade with blade cover.
- f) When cutting edges become dull, re-sharpen or file as shown in the illustration or contact a HiKOKI Authorized Service Center.

Incorrect sharpening may cause excessive vibration.

● KICKBACK DANGER (Fig. 3)

When using metal cutting attachments such as blades, contact with obstacles such as trees or other hard surfaces with the front or right portion of the spinning attachment may force the unit to catch on an obstacle, resulting in a kickback reaction towards the right side of the operator.

Kickback may occur when the cutting attachment comes into contact with tree stumps or rocks hidden behind weeds. Always make sure there are no obstacles hidden by weeds before starting work.

To minimize the danger of kickbacks when they do occur, always position the unit to the right side of the body during operation. With the operator properly positioned as the cutting attachment rotates, this will reduce the danger of the unit's direct contact with the body.

PRECAUTIONS FOR CORDLESS GRASS TRIMMER / BRUSH CUTTER

WARNING

1. Exercise patience in all work with the tool. And dress properly to keep warm.
2. Plan all work ahead to prevent accidents.
3. Do not operate the tool at night or under bad weather conditions when visibility is poor. And do not operate the tool when it is raining or right after it has been raining. Working on slippery ground could lead to an accident if you lose your balance.
4. Inspect the cutting attachment before starting work. Do not use the tool if the cutting attachment is cracked, scarred or bent. Make sure the cutting attachment is properly attached. A cutting attachment that falls apart or comes loose during operation could cause an accident.
5. Be sure to attach the guard before starting work. Operating the tool without this parts could lead to injury.
6. Be sure to attach the handle before starting work. Make sure it is not loose but properly attached before starting work. Hold the handle firmly during work and do not swing the tool around, but use the correct posture and maintain your balance. Losing your balance during work could lead to an injury.
7. Take care when starting the motor. Place the tool on level ground. Do not operate the tool within 15 m of people or animals. Make sure that the cutting attachment does not come into contact with the ground or trees and plants. A careless start could lead to injury.
8. Do not secure the lock lever. Accidentally pulling back the lever could lead to unexpected injury.
9. Before leaving the tool, press the power switch to turn it off.

10. Operate the tool with care near electric cables, gas pipes and similar installations.
11. Look out for and remove empty cans, wire, stones or other obstacles before starting work. And do not work near tree roots or rocks.
Working in such areas could damage the cutting attachment or lead to injury.
12. Never touch the cutting attachment during operation. Also make sure it does not come into contact with your hair, clothes, etc.
13. In the following situations, turn off the motor and check that the cutting attachment has stopped rotating.
To move to another work area.
To remove rubbish or grass that has become stuck in the tool.
To remove from the work area obstacles or the rubbish, grass and chips generated by trimming.
To lay down the tool.
Doing this with the cutting attachment still rotating could lead to unexpected accidents.
14. Do not use the tool within 15 m of another person.
When you work with someone else, maintain a distance of more than 15 m.
Flying chips could lead to unexpected accidents.
When working on unstable surfaces like slopes, make sure that your co-worker is not exposed to any hazards. Use whistles or other means for calling the attention of your co-workers.
15. When grass and other objects become entangled in the cutting attachment, turn off the motor and make sure the cutting attachment has stopped rotating before removing them.
Removing objects from the cutting attachment when it is still rotating will lead to injury.
Continuing operation when foreign matter is stuck in the cutting attachment may lead to damage.
16. If the tool is operating poorly and produces strange noise or vibrations, turn off the motor immediately and ask your dealer to have it inspected and repaired.
Continued use under these conditions could lead to injury or tool damage.
17. If you drop or bump the tool, inspect it carefully to check there is no damage, cracks or deformation.
Using a tool that is damaged, cracked or deformed could result in injury.
18. Secure the tool during vehicle transport to ensure that it lies still.
Failure to heed this warning may result in an accident.
19. When transporting or moving the tool, hold the main pipe with both hands, and keep the blade away from your body when carrying.
20. Put the blade cover in the included tool bag so that it can be used right away when needed, and always keep it near the tool.
21. When transporting or storing the tool, remove the battery, and remove the blade or cover it with the blade cover.
22. When not working, remove the shoulder belt from the tool.
23. Make sure that the battery is installed firmly. If it is at all loose it could come off and cause an accident.
24. Do not use the product if the tool or the battery terminals (battery mount) are deformed.
Installing the battery could cause a short circuit that could result in smoke emission or ignition.
25. Keep the tool's terminals (battery mount) free of swarf and dust.
- Prior to use, make sure that swarf and dust have not collected in the area of the terminals.
 - During use, try to avoid swarf or dust on the tool from falling on the battery.
- When suspending operation or after use, do not leave the tool in an area where it may be exposed to falling swarf or dust.
Doing so could cause a short circuit that could result in smoke emission or ignition.
26. Always use the tool and battery at temperatures between -5°C and 40°C.
27. Do not give a strong shock to the switch panel or break it. It may lead to a trouble.
- CAUTION**
1. Do not turn on the cutting attachment for cutting objects other than grass. Do not operate the tool in water puddles and make sure that soil does not come into contact with the cutting attachment.
 2. The tool contains precision parts and should not be dropped, exposed to strong impact or water. The tool could be damaged or malfunction.
 3. When the tool is to be stored after use or be transported, remove the cutting attachment.
 4. Do not expose the tool to insecticide and other chemicals. Such chemicals could cause cracking and other damage.
 5. Replace warning labels with new labels when they become difficult to recognize or illegible and when they start to peel.
Ask your dealer to provide the warning labels.

PRECAUTIONS FOR BATTERY AND CHARGER (sold separately)

1. Always charge the battery at an ambient temperature of 0–40°C. A temperature of less than 0°C will result in over charging which is dangerous. The battery cannot be charged at a temperature greater than 40°C. The most suitable temperature for charging is that of 20–25°C.
2. Do not allow foreign matter to enter the hole for connecting the rechargeable battery.
3. Never disassemble the rechargeable battery or charger.
4. Never short-circuit the rechargeable battery. Short-circuiting the battery will cause a great electric current and overheat. It results in burn or damage to the battery.
5. Do not dispose of the battery in fire. If the battery is burnt, it may explode.
6. Bring the battery to the shop from which it was purchased as soon as the post-charging battery life becomes too short for practical use. Do not dispose of the exhausted battery.
7. Do not insert objects into the air ventilation slots of the charger.
Inserting metal objects or flammable into the charger air ventilation slots will result in an electrical shock hazard or damage to the charger.

CAUTION ON LITHIUM-ION BATTERY

To extend the lifetime, the lithium-ion battery equips with the protection function to stop the output.
In the cases of 1 to 3 described below, when using this product, even if you are pulling the switch, the motor may stop. This is not the trouble but the result of protection function.

1. When the battery power remaining runs out, the motor stops.
In such case, charge it up immediately.
2. If the tool is overloaded, the motor may stop. In this case, release the switch of tool and eliminate causes of overloading. After that, you can use it again.

English

3. If the battery is overheated under overload work, the battery power may stop.

In this case, stop using the battery and let the battery cool. After that, you can use it again.

Furthermore, please heed the following warning and caution.

WARNING

In order to prevent any battery leakage, heat generation, smoke emission, explosion and ignition beforehand, please be sure to heed the following precautions.

1. Make sure that swarf and dust do not collect on the battery.
2. During work make sure that swarf and dust do not fall on the battery.
3. Make sure that any swarf and dust falling on the power tool during work do not collect on the battery.
4. Do not store an unused battery in a location exposed to swarf and dust.
5. Before storing a battery, remove any swarf and dust that may adhere to it and do not store it together with metal parts (screws, nails, etc.).
6. Do not pierce battery with a sharp object such as a nail, strike with a hammer, step on, throw or subject the battery to severe physical shock.
7. Do not use an apparently damaged or deformed battery.
8. Do not use the battery for a purpose other than those specified.
9. If the battery charging fails to complete even when a specified recharging time has elapsed, immediately stop further recharging.
10. Do not put or subject the battery to high temperatures or high pressure such as into a microwave oven, dryer, or high pressure container.
11. Keep away from fire immediately when leakage or foul odor are detected.
12. Do not use in a location where strong static electricity generates.
13. If there is battery leakage, foul odor, heat generated, discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately remove it from the equipment or battery charger, and stop use.
14. Do not immerse the battery or allow any fluids to flow inside. Conductive liquid ingress, such as water, can cause damage resulting in fire or explosion. Store your battery in a cool, dry place, away from combustible and flammable items. Corrosive gas atmospheres must be avoided.
15. Do not give a strong shock to the switch panel or break it. It may lead to a trouble.

CAUTION

1. If liquid leaking from the battery gets into your eyes, do not rub your eyes and wash them well with fresh clean water such as tap water and contact a doctor immediately.

If left untreated, the liquid may cause eye-problems.

2. If liquid leaks onto your skin or clothes, wash well with clean water such as tap water immediately.

There is a possibility that this can cause skin irritation.

3. If you find rust, foul odor, overheating, discolor, deformation, and/or other irregularities when using the battery for the first time, do not use and return it to your supplier or vendor.

WARNING

If an electrically conductive foreign object enters the terminals of the lithium ion battery, a short-circuit may occur resulting in the risk of fire. Please observe the following matters when storing the battery.

- Do not place electrically conductive cuttings, nails, steel wire, copper wire or other wire in the storage case.
- Either install the battery in the power tool or store by securely pressing into the battery cover until the ventilation holes are concealed to prevent short-circuits (See Fig. 4).

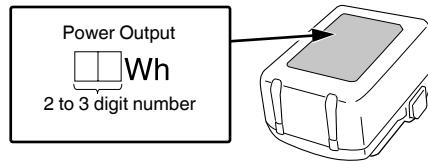
REGARDING LITHIUM-ION BATTERY TRANSPORTATION

When transporting a lithium-ion battery, please observe the following precautions.

WARNING

Notify the transporting company that a package contains a lithium-ion battery, inform the company of its power output and follow the instructions of the transportation company when arranging transport.

- Lithium-ion batteries that exceed a power output of 100 Wh are considered to be in the freight classification of Dangerous Goods and will require special application procedures.
- For transportation abroad, you must comply with international law and the rules and regulations of the destination country.



USB DEVICE CONNECTION PRECAUTIONS (UC18YSL3)

When an unexpected problem occurs, the data in a USB device connected to this product may be corrupted or lost. Always make sure to back up any data contained in the USB device prior to use with this product.

Please be aware that our company accepts absolutely no responsibility for any data stored in a USB device that is corrupted or lost, nor for any damage that may occur to a connected device.

WARNING

- Prior to use, check the connecting USB cable for any defect or damage.
Using a defective or damaged USB cable can cause smoke emission or ignition.
- When the product is not being used, cover the USB port with the rubber cover.
Buildup of dust etc. in the USB port can cause smoke emission or ignition.

NOTE

- There may be an occasional pause during USB recharging.
- When a USB device is not being charged, remove the USB device from the charger.
Failure to do so may not only reduce the battery life of a USB device, but may also result in unexpected accidents.
- It may not be possible to charge some USB devices, depending on the type of device.

NAMES OF PARTS (Fig. 2–Fig. 36)

1	Battery	31	Hanger
2	Latch	32	Bracket
3	Battery cover	33	Hook
4	Terminals	34	Quick-release bracket
5	Ventilation holes	35	Nylon head
6	Push	36	Button
7	Pull out	37	Wear limit mark (2 marks)
8	Insert	38	Cutter holder (A)
9	Charge indicator lamp	39	25 mm diameter boss
10	Main pipe	40	Stopper pin
11	Grip side	41	Threaded fastener of the gear case
12	Loop handle	42	Nylon head tightening direction (left rotation)
13	M6 nuts	43	Nylon line
14	M6 x 43 bolts	44	Tap
15	Handle fixture (loop handle type)	45	Extends in 30 mm increments
16	Handle location label	46	Tap/release
17	Handle right	47	Appropriate length 110–140 mm
18	Lever	48	Blade
19	Handle left	49	Cutter cover
20	Handle fixture (bike handlebars type)	50	Cutter holder (B)
21	M5 x 25 hex. Socket bolts	51	Cutter holder cap
22	M6 x 25 hex. Socket button bolts	52	Nut
23	Cover bracket	53	Power switch
24	Guard	54	Warning signal
25	Gear case	55	Mode switch
26	Guard extension	56	Mode Indicator lamp
27	Knife	57	Lock lever
28	Bolt	58	Grip
29	Shoulder belt	59	Battery level indicator switch
30	Quick-release belt	60	Battery level indicator lamp

61	Grease	69	U-shaped end
62	Screw hole of side	70	Groove
63	Cover	71	Direction to wind nylon cord
64	Case	72	Eyelet line guide
65	Locking tab	73	While holding the reel
66	Press tabs (2 areas)	74	String the line through the eyelet line guide
67	Reel	75	Locking holes of cover (2 holes)
68	Stopper holes	76	Bolt (for Hanger)

SPECIFICATIONS

1. Power tool

Model	CG36DC	CG36DC(L)
Voltage	36 V	
Pole type	Straight type	
Nylon cord diameter	2.4 mm	
Cutting capacity diameter	Nylon head	440 mm
	Blade	255 mm
Rotation direction		Counterclockwise as seen from above
No-load speed	Power	6000 /min
	Auto	4700 /min
	Eco	3000 /min
Operating time under no load ¹ (BSL36B18X) (Blade/Nylon head)	Power	50 min / 10 min
	Auto	80 min / 24 min
	Eco	160 min / 80 min
Battery available for this tool ²		Multi volt battery
Weight ³	5.4 kg	5.2 kg

*1 When supplied rechargeable battery is fully charged
The data in the above table is provided only as an example.
Since ambient temperature, rechargeable battery characteristics, etc. can vary widely the above should
only be used as a rough guideline. Conditions: When
using the blade, the mode switch is set to Power, Auto,
or Eco. (lever left ON all the time)

*2 AC/DC Adapter (ET36A) cannot be used. Existing
batteries (BSL3660/3626X/3626/3625/3620, BSL18 and
BSL14 series) cannot be used with this tool.

*3 Weight: blade, guard and shoulder belt included

NOTE

Due to HiKOKI's continuing program of research and
development, the specifications herein are subject to
change without prior notice.

2. Battery (sold separately)

Model	Voltage	Battery capacity
BSL36B18X	36 / 18 V ¹	4.0 / 8.0 Ah ¹

*1 The tool itself will automatically switch over.

STANDARD ACCESSORIES

In addition to the main unit (1 unit), the package contains the accessories listed on page 37.

Standard accessories are subject to change without notice.

APPLICATIONS

- Trimming, scaling and mowing of weed.

CHARGING

Before using the power tool, charge the battery as follows.

<UC18YSL3 (sold separately)>

1. **Connect the charger's power cord to the receptacle.** When connecting the plug of the charger to a receptacle, the charge indicator lamp will blink in red (See **Table 1**).

2. **Insert the battery into the charger.**

Firmly insert the battery into the charger as shown in **Fig. 6** (on page 3).

3. **Charging**

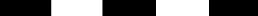
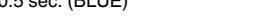
When inserting a battery in the charger, charging will commence and the charge indicator lamp will blink in blue.

When the battery becomes fully recharged, the charge indicator lamp will light up in green. (See **Table 1**)

(1) Charge indicator lamp indication

The indications of the charge indicator lamp will be as shown in **Table 1**, according to the condition of the charger or the rechargeable battery.

Table 1: Indications of the charge indicator lamp

ON/OFF at 0.5 sec. intervals (RED)	Before charging*1
	
Lights for 0.5 sec. at intervals of 1 sec. (BLUE)	Charged at less than 50%
	
Lights for 1 sec. at intervals of 0.5 sec. (BLUE)	Charged at less than 80%
	
Lights continuously (BLUE)	Charged at more than 80%
	
Lights continuously (Continuous buzzer sound: about 6 sec.) (GREEN)	Charging complete
	
ON/OFF at 0.3 sec. intervals (RED)	Overheat standby*2
	
ON/OFF at 0.1 sec. intervals (Intermittent buzzer sound: about 2 sec.) (PURPLE)	Charging impossible*3
	

NOTE

*1 If the red lamp continues to blink even after the charger has been attached, check to confirm that the battery has been fully inserted.

- *2 Battery overheated. Unable to charge. Although charging will start once the battery has cooled down even when left in situ, the best practice is to remove the battery and allow it to cool down in a shaded, well-ventilated location before charging.
- *3 Malfunction in the battery or the charger
 - Fully insert the battery.
 - Check to confirm that no foreign matter is stuck to the battery mount or terminals. If there are no foreign objects, it is probable that the battery or charger is malfunctioning. Take it to your authorized Service Center.
- When the battery charger has been continuously used, the battery charger will be heated, thus constituting the cause of the failures. Once the charging has been completed, give 5 minutes rest until the next charging.

(2) Regarding the temperatures and charging time of the battery. (See **Table 2**)

Table 2

Model	UC18YSL3	
Type of battery	Li-ion	
Charging voltage	14.4–18 V	
Temperatures at which the battery can be recharged	0°C–50°C	
Charging time for battery capacity, approx. (At 20°C)	1.5 Ah	15 min
	2.0 Ah	20 min
	2.5 Ah	25 min
	3.0 Ah	20 min (BSL1430C, BSL1830C: 30 min)
	4.0 Ah	26 min (BSL1840M: 40 min)
	5.0 Ah	32 min
	6.0 Ah	38 min
	1.5 Ah (x 2 unit)	20 min
Charging time for multi volt battery capacity, approx. (At 20°C)	2.5 Ah (x 2 unit)	32 min
	4.0 Ah (x 2 unit)	52 min
	Number of battery cells	4–10
Charging voltage for USB	5 V	
Charging current for USB	2 A	
Weight	0.6 kg	

NOTE

- The recharging time may vary according to ambient temperature and power source voltage.
- If charging takes a long time
 - Charging will take longer at extremely low ambient temperatures. Charge the battery in a warm location (such as indoors).
 - Do not block the air vent. Otherwise the interior will overheat, reducing the charger's performance.
 - If the cooling fan is not operating, contact a HIKOKI Authorized Service Center for repairs.
- Disconnect the charger's power cord from the receptacle.

5. Hold the charger firmly and pull out the battery.

NOTE

Be sure to pull out the battery from the charger after use, and then keep it.

Regarding electric discharge in case of new batteries, etc.

As the internal chemical substance of new batteries and batteries that have not been used for an extended period is not activated, the electric discharge might be low when using them the first and second time. This is a temporary phenomenon, and normal time required for recharging will be restored by recharging the batteries 2-3 times.

How to make the batteries perform longer.

- (1) Recharge the batteries before they become completely exhausted. When you feel that the power of the tool becomes weaker, stop using the tool and recharge its battery. If you continue to use the tool and exhaust the electric current, the battery may be damaged and its life will become shorter.
- (2) Avoid recharging at high temperatures. A rechargeable battery will be hot immediately after use. If such a battery is recharged immediately after use, its internal chemical substance will deteriorate, and the battery life will be shortened. Leave the battery and recharge it after it has cooled for a while.

MOUNTING AND OPERATION

Action	Figure	Page
Removing and inserting the battery	5	3
Charging	6	3
Remaining battery indicator	26	7
Charging a USB device from a electrical outlet	27-a	7
Charging a USB device and battery from a electrical outlet	27-b	7
How to recharge USB device	28	7
When charging of USB device is completed	29	7
Selecting accessories	—	38

ASSEMBLY PROCEDURES

WARNING

Pull out battery before doing any assembly.

1. Installing of handle

(1) Loop handle type (Fig. 7)

Attach the handle to the main pipe with the angle towards the grip side.

Adjust the location to the most comfortable position before operation.

Make sure to securely attach the handle with the 2 bolts.

NOTE

Install the loop handle between the arrow marks on the handle location label.

(2) Bike handle type (Fig. 8)

Remove the handle fixture from the assembly.

Place the handle and attach the handle fixture with four bolts lightly. Adjust to appropriate position. Then attach it firmly with the bolts.

NOTE

The bike handle can be adjusted by moving it forward to the arrow mark on the handle location label.

2. Installing of guard

WARNING

If an incorrect or faulty guard is fitted, this may cause serious personal injury.

CAUTION

The guard extension is equipped with the knife. Be careful with handling it.

Align the guard with the cover bracket and secure it to the main pipe, using the bolt and cover bracket. (Fig. 9)

NOTE

- The guard extension is already attached to the guard at the time of purchase.
- The cover bracket may come already mounted to the gear case.

[When using the semi-auto nylon head]

When using a the nylon head, attach the guard extension to the guard, then tighten the bolt. (Fig. 10)

[When using the blade]

WARNING

Remove the guard extension when using metal or plastic blades. Failure to do so may result in injury or damage to the guard.

NOTE

Wear gloves as the extension has the knife.

Loosen the bolt. Then push the three square tabs on the guard one by one in order, and remove the guard extension. (Fig. 11)

3. Installing the shoulder belt

WARNING

- Be sure to attach the shoulder belt so that the grass trimmer / brush cutter can be carried correctly.
- If you get the feeling the tool is not operating normally, turn off the motor immediately, remove the quick-release bracket of the shoulder belt and remove the tool.

CAUTION

- If you do not support the tool when you pull the quick-release belt, it may fall causing injury or damage. Hold the main pipe with one hand while you pull with the other hand.
- Make sure the quick-release function operates normally before you start working.
- Before attaching, check to confirm that the belt is not cut, frayed, or damaged.
- Check to confirm that the hook and hanger are neither deformed nor damaged.
- Once attached, press down on the main unit to confirm that the hook does not detach easily and that the shoulder belt is not loose.
- Check to confirm that the quick release function operates as it should.

(1) Place the shoulder belt on the shoulder as shown in Fig. 12 and engage it with the hanger on the tool. Adjust the shoulder belt to suitable length.

(2) To remove the tool from the shoulder belt, support the tool by holding the main pipe with one hand and use the other hand to pull the quick-release belt as shown in Fig. 13 to free it from the bracket.

(3) To strap on the tool, insert the bracket in the hook and insert the quick-release bracket over the hook and into the wide opening of the bracket. (Fig. 14) Gently pull the shoulder belt to make sure that it is properly attached.

NOTE

You may need to adjust the position of the hanger to balance the unit. To do so, loosen bolt and adjust the position of hanger. After adjusting as necessary, make sure to securely tighten the bolt. (Fig. 15)

English

4. Installation of cutting attachment

WARNING

- Install the cutting attachment properly and securely as instructed in the handling instructions.
If not attached properly or securely, it may come off and cause serious and/or fatal injury.
- Always use genuine HiKOKI cutting attachments and metal fittings.

[Installation of semi-auto nylon head]

WARNING

For HiKOKI heads, use only flexible, non-metallic line recommended by the manufacturer. Never use wire or wire ropes. They can break off and become a dangerous projectile.

(1) Function

Automatically feeds more nylon cutting line when it is tapped at low rpm (not greater than 4500 /min).

Specifications

Code No.	Type of attaching screw	Direction of rotation	Size of attaching screw
6601432	Female screw	Counter-clockwise	M10xP1.25-LH

Applicable nylon cord

The standard accessory nylon head can be used with lines from $\Phi 2.4$ mm (max. length 4 m) up to $\Phi 3.0$ mm (max. length 2 m).

CAUTION

- The case must be securely attached to the cover.
- Check the cover, case and other components for cracks or other damage.
- Check the case and button for wear.
If the wear limit mark on the case is no longer visible or there is a hole in the bottom of the button, change the new parts immediately. (Fig. 16)
- The nylon head must be securely mounted to the unit's gear case.
- If the nylon head does not feed cutting line properly, check that the nylon line and all components are properly installed. Contact HiKOKI Authorized Service Centers if you need assistance.

(2) Installation (Fig. 17)

- A: Press the stopper pin of the gear case in order to lock the cutter holder.
- B: Install nylon head on gear case of tool. The mounting nut is left-hand-threaded. Turn clockwise to loosen/counter-clockwise to tighten.

NOTE

Since the cutter holder cap is not used here, keep it for when a metal blade is used, if so equipped.

(3) Adjusting line length

Set the speed as low as possible and tap the button on the ground. The nylon line will be drawn out about 30 mm with each tap. (Fig. 18)

Also, you can extend the nylon line by hand but the motor must be completely stopped. (Fig. 19)

Adjust the nylon line to the proper length of 110–140 mm before each operation.

[Installing the cutting blade]

(1) Installation (Fig.20)

WARNING

- When installing a cutting blade, make sure that there are no cracks or any damage in it and that the cutting edges are facing the correct direction.
- Remove any surface grit from blade installation fittings (cutter holder (A), nut cover, nut). Failure to do so may result in the loosening of nuts.

- The protrusion of the cutter holder (A) may become misaligned with the blade while tightening nut. Before operation, make sure the blade has been properly installed.
- Rotate the blade by hand and make sure there is no rocking or abnormal noise. Rocking may cause abnormal vibrations or result in the loosening of nuts.

CAUTION

- If your unit is equipped with protection cover under a cutting blade, check the blade installation brackets for wear or cracks before operation. If any damage or wear is found, replace it, as it is an article of consumption.
- You have to wear gloves when handling the cutting blade.

NOTE

- When installing cutter holder cap, be sure to set concave side upward.

- A: Press the stopper pin of the gear case in order to lock the cutter holder. Please note that the cutter fixing bolt or nut has left-handed threads, (clockwise to loosen/ counter-clockwise to tighten).
- B: Tighten the fixing bolt or nut with the box wrench.

OPERATION

WARNING

- Do not operate the tool at night or under bad weather conditions when visibility is poor.
- Do not operate the tool when it is raining or right after it has been raining.
- Wear proper footwear to prevent slipping that could cause you to lose your balance and fall.
- Do not use the tool on steep slopes.
When cutting on slopes that are not so steep, cut by moving towards the ridge.
- Take care not to move the cutting attachment too close to your feet.
- Do not raise the cutting attachment above your knee during cutting.
- Do not use the tool where the cutting attachment may come into contact with stones, tree and other obstacles.
- A cutting attachment can injure while it continues to spin after the motor is stopped. When the unit is turned off, make sure the cutting attachment has stopped before the unit is set down.
- Do not use the tool within 15 m of another person. When you work with someone else, maintain a distance of more than 15 m.

1. Insert the battery.

2. Turn on the tool. (Fig. 21-a)

- Press the power switch on the handle, the power goes on and the power lamp on the handle lights green.
- Pressing the power switch a second time turns the power off and the green lamp on the handle goes off.
- While the lever is pulled, the power does not turn ON when the power switch is pressed.

[Auto power off]

When the power is turned on but the lever is not used for 5 seconds, the tool is automatically turned off. To turn the tool on again, press the power switch a second time.

WARNING

Never leave the tool with the power on. This could result in an accident.

3. Mode switch (Fig. 21-b)

The tool is equipped with three modes: "Power Mode" "Auto Mode" "Eco Mode". Each time the mode switch is pressed, the operation mode changes.

The set mode remains set even if the power is turned off.

4. Lever operation and brake (Fig. 22)

To start rotation of the cutting attachment, with the power turned on, pull the lever while pressing the lock lever. When you release the lever, the brake engages in 1-3 seconds, stopping rotation of the cutting attachment. Make sure that the brake operates normally before using the tool.

5. Cutting

- Grip the handle, press the lock lever and pull the lever to start cutting head rotation. (Fig. 22)
- Release the lever when you finish cutting and stop the motor.
- Take a posture that makes it easy to move.

[Using the semi-auto nylon head]

Do not swing the pipe, but use the hips to move the nylon head horizontally from left to right in an arc while going forward and use the right side of the nylon head for cutting grass. (Fig. 23)

[Using the blade]

- Cut grass from right to left, using the left side of the blade to cut. (Fig. 24)
- Slightly tilting the blade to the left while cutting will pile the cut grass to the left, making collection easy.

WARNING

- Blade thrust may occur when the spinning blade contacts a solid object in the critical area. A dangerous reaction may occur causing the entire unit and operator to be thrust violently. This reaction is called blade thrust. As a result, the operator may lose control of the unit which may cause serious or fatal injury. Blade thrust is more likely to occur in areas where it is difficult to see the material to be cut.
- If cutting attachment should strike against stones or other debris, stop the engine and make sure that the attachment and related parts are undamaged.

NOTE

Excessively increasing rotation speed may cause increased blade wear, vibration and noise. It will also result in increased fuel consumption.

6. Carrying the tool

CAUTION

- Remove the storage battery. (Fig. 5)
- Carry the tool holding with hands.
- If the blade is installed, attach the included blade cover.

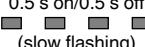
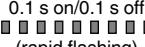
OPERATIONAL CAUTIONS

This tool incorporates a function to safeguard the electronic components that control the main unit. If an overload occurs during mowing—for example, if the cutting attachment locks up or becomes clogged with vegetation—the function will activate to stop the motor. If this happens, the warning signal (54 in Fig. 25) will flash.

Check the signal status and take appropriate corrective action. (Fig. 25, Table 3)

You can resume use after taking the following corrective action. Take steps to reduce the load imposed on the motor—for example, by reducing the cutting depth. Before clearing vegetation from the cutting attachment, turn off the power and remove the battery from the tool main unit.

Table 3

Power lamp flashing status	Cause	Corrective action
 (slow flashing)	The internal temperature exceeded the preset limit. The tool has stopped. (The motor turns off. The power will shut down automatically after one minute.) [Temperature protection function]	Turn off the power and wait for the device to cool. You can resume use once the device temperature has fallen.
 (rapid flashing)	The tool attachment load exceeded the preset limit. The tool has stopped. (The motor turns off and the lamp flashes for 10 seconds.) [Overload protection function]	Turn off the power and remove the battery. Resolve the cause of the overload. You can resume use after resolving the overload cause.

MAINTENANCE AND INSPECTION

WARNING

Pull out battery before doing any inspection or maintenance.

1. Checking the condition of the cutting attachment

The cutting attachment should be checked regularly. If worn or broken cutting attachment can slip or decrease the efficiency of the motor and burn it out.

Replace worn cutting attachment with new ones.

CAUTION

If you use a cutting attachment of which point is worn or broken, it will be dangerous. So replace it with a new one.

2. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

3. Maintenance of the motor

The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

4. Inspection of terminals (tool and battery)

Check to make sure that swarf and dust have not collected on the terminals.

On occasion check prior, during and after operation.

CAUTION

Remove any swarf or dust which may have collected on the terminals.

Failure to do so may result in malfunction.

5. Cleaning of the outside

When the grass trimmer / brush cutter is stained, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chloric solvents, gasoline or paint thinner, as they melt plastics.

English

6. Gear case (Fig. 30)

Check gear case or angle gear for grease level about every 50 hours of operation by removing the grease filler plug on the side of gear case.

If no grease can be seen in the screw hole on the sides of the gears, fill the gear case up to 3/4 full with quality lithium based multipurpose grease (sold separately).

CAUTION

- Make sure to remove any dirt or grit when attaching the plug to its original position.
- Before attempting inspection or maintenance of the gear case, make sure the case has cooled.

7. Semi-auto nylon head

Nylon line replacement

- (1) Remove the case by firmly pushing inward the locking tabs. (Fig. 31-a)
- (2) After removing the case, take out the reel and discard the remaining line. (Fig. 31-b)
- (3) Fold the new nylon line unevenly in half. (Fig. 32-a)
Hook the U-shaped end of the nylon line into the groove on the center partition of the reel. (Fig. 32-b)
Wind both halves of the line on the reel in the same direction, keeping each half of the line on its own side of the partition.

NOTE

Do not cross the nylon line when securing the line in the groove. (Fig. 32-d)

- (4) Push each line into the stopper holes, leaving the loose ends approx. 100 mm in length. (Fig. 32-c)
- (5) Align the position of the stopper and eyelet line guide, and then insert the reel through the case.
Release the line from the stopper while holding the reel lightly, and then string the line through the eyelet line guide. (Fig. 33)
- (6) Place the cover over the case so that the locking tabs on the case meet the locking holes of the cover. Then push the case securely until it clicks into place. (Fig. 34)
- (7) The initial cutting line length should be approx. 110-140 mm and should be equal on both sides. (Fig. 35)

8. Blade (Fig. 36)

WARNING

Wear protective gloves when handling or performing maintenance on the blade.

- Use a sharp blade. A dull blade is more likely to snag and thrust.
Replace the fastening nut if it is damaged and hard to tighten.
- When replacing blade, purchase one recommended by HiKOKI, with a 25.4 mm (one inch) fitting hole.
- In the case of a 3 tooth blade, it can be used on either side.
- Use the correct blade for the type of work.
- When replacing blades, use appropriate tools.
- When cutting edges become dull, re-sharpen or file as shown in the illustration. Incorrect sharpening may cause excessive vibration.
- Discard blades that are bent, warped, cracked, broken or damaged in any way.

NOTE

When sharpening blade it is important to maintain an original shape of radius at the base of the tooth to avoid cracking.

9. Storage

Store the power tool and battery in a place in which the temperature is less than 40°C and out of reach of children.

NOTE

Storing Lithium-ion Batteries

Make sure the lithium-ion batteries have been fully charged before storing them.

Prolonged storage (3 months or more) of batteries with a low charge may result in performance deterioration, significantly reducing battery usage time or rendering the batteries incapable of holding a charge.

However, significantly reduced battery usage time may be recovered by repeatedly charging and using the batteries two to five times.

If the battery usage time is extremely short despite repeated charging and use, consider the batteries dead and purchase new batteries.

CAUTION

In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

Important notice on the batteries for the HiKOKI cordless power tools

Please always use one of our designated genuine batteries. We cannot guarantee the safety and performance of our cordless power tool when used with batteries other than these designated by us, or when the battery is disassembled and modified (such as disassembly and replacement of cells or other internal parts).

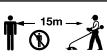
NOTE

Due to HiKOKI's continuing program of research and development, the specifications herein are subject to change without prior notice.

符號

警告

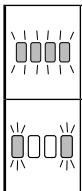
以下為使用於本機器的符號。請確保您在使用前明白其意義。

	CG36DC / CG36DC(L): 割草機 / 剪草機
	使用前請詳讀使用說明書。
	維護前請取出電池
	始終配戴眼部保護裝置。
	始終配戴聽力保護裝置。
	請勿在雨中和潮濕的環境中使用電動工具或在下雨時將其置放在室外。
	小心拋出的物體
	本機器與旁觀者之間的距離應至少為15 m
	佩戴頭部保護裝置
	佩戴手部保護裝置
	穿防滑鞋
	小心刀片推力
	閱讀、充分了解並遵守以下安全預防措施和警告非常重要。不小心或不當使用本機可能會導致嚴重或致命的傷害。
	閱讀、理解並遵守本手冊和機體上的所有警告及說明。
	禁止操作
	使用本機時請全程配戴護目鏡、頭罩和耳罩。
	保持所有的兒童、旁觀者和助手遠離本機 15 公尺。如果有人靠近您，請立即停止本機和切割配件。
	小心拋出的物體。

	顯示最大軸速度。請勿使用最大每分鐘轉數 (rpm) 低於軸每分鐘轉數 (rpm) 的切割配件。
	必要時應配戴手套，例如組裝切割設備時。
	使用防滑且堅固的鞋類。
	當旋轉刀片接觸到關鍵區域的固體物時，可能會發生刀片推力。可能會發生危險的反應，導致整個裝置和操作者被猛烈地推擠。這種反應稱為刀片推力。因此，操作者可能會失去對本機的控制，這可能導致嚴重或致命的傷害。刀片推力更容易發生在難以看到被切割材料的區域。
	指示把手位置。顯示把手定位限制的箭頭。(CG36DC)
	指示把手位置。顯示把手定位限制的箭頭。(CG36DC(L))
	直交流電
	額定電壓
	無負荷速度
	開關 ON
	開關 OFF
	節能模式
	自動模式
	強力模式
	保護功能啟動

電池

	亮起：
	亮起：
	亮起：
	亮起：
	閃爍：

	閃爍： 由於高溫導致輸出被暫停。從工具中取出電池，並使其完全冷卻。
	閃爍： 由於故障或機能失常導致輸出被暫停。問題可能是電池，請聯繫您的經銷商。

部位名稱（圖 1）

- A: 槓桿：用於起動本機的起動器。
- B: 鎖定桿：可防止起動器意外操作的鎖定桿。
- C: 馬達：電池驅動馬達。
- D: 保護罩：保護操作者免受飛出的碎屑傷害。
- E: 電池（另售）：驅動本機的電力來源。
- F: 電源開關：將裝置電源開啟或關閉的開關。
- G: 模式開關：調整馬達速度的開關。
- H: 右握柄：位於本機右側，附有槓桿的握柄。
- I: 左握柄：位於本機左側的握柄。
- J: 把手固定裝置：將手柄固定至裝置上。
- K: 吊扣：用於將肩帶或掛帶安裝到本機。
- L: 環柄
- M: 切割配件（尼龍頭／刀片）
- N: 保護罩延伸件
- O: 肩帶：具釋放機制的線束。
- P: 複合箱扳手
- Q: 護目鏡
- R: 六角棒狀扳手
- S: 刀片護套
- T: 使用說明書

警告和安全說明

說明文之前標有以下詞語時，敬請特別注意：

警告

表示如果不遵守說明，極有可能造成嚴重的人體傷害或失去生命。

注意

表示如果不遵守說明，可能會造成人體傷害或設備損壞。

註

有關正確功能和使用上的實用資訊。

一般安全規則

⚠ 警告

閱讀所有安全警告說明

未遵守警告與說明可能導致電擊、火災或其他嚴重傷害。

請妥善保存本使用說明書，以供未來參考之用。

「電動工具」一詞在警告中，係指電源操作（有線）之電動工具或電池操作（無線）之電動工具。

1) 工作場所安全

- a) 保持工作場所清潔及明亮。
雜亂或昏暗的區域容易發生意外。
- b) 勿在易產生爆炸之環境中操作，譬如易燃液體、瓦斯或粉塵存在之處。
電動工具產生火花會引燃粉塵或煙氣。
- c) 當操作電動工具時，確保兒童及過往人員遠離。
分神會讓您失去控制。

2) 電氣安全

- a) 電動工具插頭必須與插座配合，絕不可以任何方法修改插頭，且不得使用任何轉接插頭於有接地之電動工具。
不修改插頭及所結合之插座，可減少電擊。
- b) 避免身體接觸到地面，諸如管子、散熱器、爐灶及冰箱。
如果您的身體接地或觸地，會增加電擊的危險。
- c) 勿讓電動工具淋雨或曝露在潮濕的環境下。
電動工具進水會增加電擊的危險。
- d) 勿濫用電源線。請勿使用電源線去纏繞、拖拉電動工具或拔插頭，保持電源線遠離熱氣、油氣、尖角或可動零件。
損壞或纏繞的電源線會增加電擊之危險。
- e) 電動工具在室外操作時，請務必要使用適合室外用的延長線。
使用合適之室外用延長線會減少電擊的危險。
- f) 若無法避免在潮濕地區操作電動工具，請使用以漏電斷路器（RCD）來保護電源。
使用 RCD，可降低觸電危險。

3) 人員安全

- a) 保持機警，注意您正在做什麼，並運用正確常識操作電動工具。
當你感到疲勞或受藥品、酒精或醫療影響時，請勿操作電動工具。
- 操作中瞬間的不注意，可能造成人員嚴重的傷害。

- b) 使用個人防護裝備，經常配戴安全眼鏡。
配戴防塵口罩、防滑安全鞋、硬帽等防護裝備，或在適當情況下使用聽覺防護，可減少人員傷害。
- c) 防止意外發生。在連接電源或電池組、拿起或攜帶工具前，請確認開關是在「off」(關閉)的位置。
以手指放在開關握持電動工具，或在電動工具的開關於“on”的狀況下插上插頭，都會導致意外發生。
- d) 在電動工具啟動前，先卸下任何調整用鑰匙或扳手。
扳手或鑰匙遺留在電動工具的轉動部位時，可能導致人員傷害。
- e) 身體勿過度伸張，任何時間要保持站穩及平衡。
以便在不預期的狀態下，能對電動工具有較好的控制。
- f) 衣著要合宜，別穿太鬆的衣服或戴首飾。
保持你的頭髮、衣服及手套遠離轉動部位。
寬鬆的衣服、手飾及長髮會被捲入轉動部位。
- g) 如果裝置要用於粉塵抽取及集塵設施，要確保其連接及正當使用。
使用集塵裝置可減少與灰塵相關的危險。
- h) 請勿因頻繁使用本工具，熟悉操作而忽略本工具的安全原則。
粗心的行動有可能瞬間即造成嚴重傷害。
- 4) 電動工具之使用及注意事項
- a) 勿強力使用電動工具，使用正確之電動工具為您所需。
正確使用電動工具，會依其設計條件，使工作做得更好更安全。
- b) 如果開關不能轉至開或關的位置，勿使用電動工具。
任何電動工具不能被開關所控制是危險的，必須要修理。
- c) 進行任何調整、更換配件或收存電動工具時，必須將插頭與電源分開，且需將電池組從電動工具中取出。
此種預防安全措施，可減少意外開啟電動工具之危險。
- d) 收存停用之電動工具，需遠離兒童，且不容許不熟悉電動工具或未瞭解操作電動工具說明的人操作電動工具。
在未受過訓練的人手裡，電動工具極為危險。
- e) 保養電動工具，檢查是否可動零件有錯誤的結合或卡住、零件破裂及可能影響電動工具操作的任何其他情形。
電動工具如果損壞，在使用前要修好。
許多意外皆肇因於不良的保養。
- f) 保持切割工具銳利清潔。
適當的保養切割工具，保持銳利之切削鋒口，可減少卡住並容易控制。
- g) 按照說明書使用電動工具、配件及刀具時，必須考量工作條件及所執行之工作。
若未依照這些使用說明操作電動工具時，可能造成相關之危害情況。
- h) 保持把手和握持面乾燥、清潔，且未沾到油脂和潤滑油。
滑溜的把手和握持面在操作時會有安全上的問題，且可能造成本工具意外失去控制。
- 5) 電池式電動工具的使用及注意事項
- a) 需再充電時，僅能使用製造商指定的充電器。
因充電器僅適合同一型式的電池組，若使用任何其它電池組時，將導致起火的危險。
- b) 使用電動工具時，僅能使用按照其特性設計的電池組。
因使用其它任何電池組時，將導致人員傷害及起火的危險。
- c) 當電池組不再使用時，需保存好並遠離其它的金屬物件，例如：迴紋針、錢幣、鑰匙、圖釘、螺釘，或類似能造成端子與端子間連接的其它較小金屬物件。
因電池組端子間短路時，將導致燃燒或起火的危險。
- d) 在誤用情況下，電解液可能自電池中噴出；請避免接觸。當發生意外接觸時，請用清水沖洗。
若電解液觸及眼睛時，請儘速尋求醫療協助。
因自電池中噴出的電解液，將導致灼傷或刺激皮膚。
- e) 請勿使用損壞或改造的電池組或電動工具。
損壞或改造的電池可能會發生不可預知的行為，進而導致火災、爆炸或受傷的風險。
- f) 請勿使電池組或電動工具接觸到火源或處於溫度過高的地方。
接觸火源或溫度超過 130°C 可能會引起爆炸。
- g) 請遵循所有充電指示，並且不要在說明書指定的溫度範圍之外為電池組或電動工具充電。
充電不當或溫度超出指定範圍可能會損壞電池並增加火災的風險。
- 6) 維修
- a) 讓您的電動工具由合格修理人員僅使用相同的維修零件更換。
如此可確保電動工具的安全得以維持。
- b) 切勿對損壞的電池組進行維修。
電池組的維修只能由製造商或授權服務維修店進行。
- 注意事項**
- 不可讓孩童和體弱人士靠近工作場所。
應將不使用的電動工具存放在孩童和體弱人士伸手不及的地方。

充電式割草機／剪草機安全警告

- a) 請勿在惡劣的天氣狀態下使用本機器，尤其是在有雷擊風險時。這將降低被雷擊的風險。
- b) 徹底檢查本機器使用區域是否有野生動物。本機器在運作過程中可能會傷害野生動物。
- c) 徹底檢查本機器的使用區域並清除所有石頭、樹枝、電線、骨頭和其他異物。被拋擲的物體可能會造成人體傷害。
- d) 使用本機器前，務必目視檢查刀具或刀片，以及刀具或刀片組件是否損壞。損壞的零件會增加受傷的風險。
- e) 按照說明更換配件。未正確旋緊刀片固定螺帽或螺栓可能會損壞刀片或導致刀片脫落。
- f) 刀片的額定轉速必須至少等於本機器上標註的最大轉速。超過額定轉速運轉的刀片可能會斷裂並飛散。
- g) 佩戴眼部、耳部、頭部和手部防護裝備。適當的防護裝備可減少因飛出的碎屑或意外接觸割草線或刀片而造成的人體傷害。
- h) 在操作本機器時，請全程穿著可防滑和防護的鞋子。赤腳或穿著開口涼鞋時請勿操作本機器。這將減少與移動中的刀具或割草線接觸而對足部造成傷害的機會。
- i) 在操作本機器時，請全程穿著安全鞋。赤腳或穿著開口涼鞋時請勿操作本機器。這將減少與移動中的刀具、割草線或刀片接觸而對足部造成傷害的機會。
- j) 在操作本機器時，請全程穿著長褲。裸露的肌膚會增加被拋擲物體傷害的可能性。
- k) 操作本機器時請保持旁觀者遠離。被拋擲的碎屑可能會導致嚴重的人體傷害。
- l) 操作本機器時請全程使用雙手。雙手握住本機器可避免失控。(圖 2)
- m) 僅握住本機器的絕緣握持面，因為割草線或刀片可能會接觸到隱藏的線路。接觸到「通電」電線的割草線或刀片可能會使本機器的金屬零件「通電」，而可能造成操作人員觸電。
- n) 全程保持正確的立足點並僅於站在地面上時操作本機器。滑溜或不穩定的表面可能會導致失去平衡或本機器失控。
- o) 請勿在過於陡峭的斜坡上操作本機器。這將降低可能導致人體傷害的失控、滑倒和跌倒的風險。
- p) 在斜坡上工作時，全程確保您的立足點，始終跨過斜坡面工作，切勿向上或向下，並且在改變方向時要格外小心。這將降低可能導致人體傷害的失控、滑倒和跌倒的風險。

- q) 當本機器正在運作時，保持身體的所有部位遠離刀具、割草線或刀片。在啟動本機器之前，確保刀具、割草線或刀片沒有接觸任何東西。操作本機器時的一時疏忽可能會導致您或他人受傷。
- r) 請勿在腰部以上的高度操作本機器。這有助於防止刀具或刀片意外接觸，並在意外情況發生時能善加控制本機器。
- s) 切割處於緊繩狀態的灌木或樹苗時，要提防彈回。當木質纖維中的張力被釋放時，灌木或樹苗可能會撞擊操作人員和／或使本機器失控拋出。
- t) 切割灌木和樹苗時請格外小心。細長的鋸切物可能會糾結在刀片上，使刀片突然向您揮擊或牽動您的身體導致失去平衡。
- u) 保持對本機器的控制，不要觸摸刀具、割草線或刀片以及其他仍處於移動狀態的危險移動零件。這將降低移動中的零件造成傷害的風險。
- v) 當清除卡住的材料或維修本機器時，確保開關處於關閉狀態並且電池組已取出。在清除卡住的材料或維修時意外啟動本機器可能會導致嚴重的人體傷害。
- w) 在本機器已關機並遠離身體的狀態下搬運本機器。正確的處理方式將降低與移動中的刀具、割草線或刀片意外接觸的可能性。
- x) 運輸或存放下本機器時，務必將護罩安裝在金屬刀片上。正確的處理方式將降低與刀片意外接觸的可能性。
- y) 只能使用製造商指定的替換刀具、割草線、切割頭和刀片。不正確的替換零件可能會增加斷裂和受傷的風險。

刀片推力原因及相關警告

刀片推力是機器突然的側向、向前或向後運動，當刀片卡住或卡在樹苗或殘幹等物體時，可能會發生刀片推力。其可能足夠猛烈而導致本機器和／或操作人員朝任何方向被推進，並可能失去對本機器的控制。

採取以下適當的預防措施可以避免刀片推力及其相關危險。

- a) 保持雙手緊握本機器，讓您的手臂的位置可抵抗刀片推力。使您的身體位於本機器的左側。由於機器的意外移動，刀片推力會增加受傷的風險。如果採取適當的預防措施，操作人員可以控制刀片推力。
- b) 如果刀片被夾住，或因任何原因中斷切割時，請關閉本機器並讓機器在材料中靜止不動，直到刀片完全停止。當刀片被夾住時，切勿於刀片仍在運行時嘗試將本機器從材料上移開或向後拉機器，否則可能會產生刀片推力。須進行調查並採取修正措施以消除刀片夾住的原因。

- c) 請勿使用鈍化或損壞的刀片。鈍化或損壞的刀片會增加卡住或卡在物體上的風險，從而導致刀片推力。
- d) 始終保持被切割材料的良好可見性。刀片推力更容易發生在難以看到被切割材料的區域。
- e) 如果在操作本機器時有人接近您，請關閉機器。如果產生刀片推力，會增加其他人被移動中刀片撞擊而受傷的風險。

附加安全警告

重要訊息

使用前請詳細閱讀

請妥善保存，供日後參考

安全操作守則

● 人員訓練

- a) 仔細閱讀操作指示，請熟悉本機器的控制和正確使用。
- b) 請勿讓孩童或不熟悉操作的人員使用本電動工具。當地法規對於本電動工具操作員有年齡限制。
- c) 請注意，若本電動工具對他人或他人財產造成危害，則操作者或使用者需全權負責。

● 準備工作

- a) 使用前，請檢查電源線和延長線是否有損壞或老化的跡象。如果電線在使用過程中損壞，請立即斷開電源線與電源的連接。
在斷開電源之前，請勿觸摸電線。
如果電線損壞或磨損，請勿使用本機器。
- b) 使用前，務必以目視檢查機器是否有損壞，保護裝置或防護罩是否有遺失或放錯位置。
- c) 請勿在孩童、寵物或其他人員周遭使用本電動工具。
- d) 切勿用金屬切割工具更換尼龍頭。

● 使用操作

- a) 操作機器時，請全程佩戴護目鏡並穿著防護鞋和長褲。
- b) 避免在惡劣的天氣狀態下使用機器，尤其是在有雷擊危險時。
- c) 請在日照充足的白天，或良好照明場所使用。
- d) 切勿在罩蓋破損時或未使用罩蓋的情況下操作機器。
- e) 確認手腳避開修剪範圍後，再開啟馬達。
- f) 請在下列狀況下中斷電動工具供電（即拔下已關閉電動工具的插頭）
 - 當無人使用機器時；
 - 清除堵塞前；
 - 在檢查、清理、使用電動工具前；
 - 撞擊異物後，檢查機器是否損壞；
 - 若機器開始異常振動，請立即檢查。
- g) 手腳請勿靠近修剪範圍。

- h) 請務必保持電動工具排風口暢通。
- i) 切勿以任何方式改造本設備 / 機器。請勿將您的設備 / 機器用於原本用途以外的工作。
- j) 如果本機受到硬物撞擊或出現過度振動，請仔細檢查以確認是否有損壞、裂紋或變形。
使用損壞、破裂或變形的工具，可能導致人體傷害。
- k) 刀具配備有保護罩延伸件。
切勿將您的手靠近刀具。
- l) 請勿同時佩戴多條安全帶或多條肩帶。
佩戴肩帶時，確保其他配件不會干擾肩帶的快速釋放托架。

● 維護、運輸和存放

- a) 請先中斷電動工具供電（即拔下已關閉電動工具的插頭），再進行維護或清理工作。
- b) 請使用製造商建議的替換零件及附件。
- c) 請定期檢查及維護本電動工具。如需維修服務，請洽授權維修人員。
- d) 未使用時，請將電動工具存放在孩童無法拿取的地方。
- e) 使用車輛運輸，或存放時，請在刀片上蓋上刀片護套。
- f) 當切割刀口變鈍時，如圖所示重新磨銳或銳銳，或聯繫 HiKOKI 授權服務中心。
不正確的銳化可能會導致過度振動。

● 反彈危險（圖 3）

- 使用刀片等金屬切割配件時，旋轉配件的前部或右側部分與樹木或其他硬質表面等障礙物接觸可能會迫使本機卡在障礙物上，從而導致向操作人員的右側產生反彈反應。
當切割配件與隱藏在雜草後面的殘幹或岩石接觸時，可能會發生反彈。在開始作業之前，務必確保沒有被雜草隱藏的障礙物。
為盡量減少反彈發生時的危險，請在操作期間始終將本機放置在身體右側。操作人員在切割配件旋轉時正確定位，這將減少本機與身體直接接觸的危險。

充電式割草機／剪草機的注意事項

警告

1. 使用工具進行所有作業時需具備耐心。並請穿著保暖衣物。
2. 提前計劃所有工作，以防止發生意外。
3. 不要在夜間或惡劣氣象條件等能見度差時操作工具。雨天或降雨過後，亦請勿使用本工具。
如果重心不穩，在濕滑的地面上工作可能會導致意外。

- 開始作業前檢查切割配件。
如果切割配件有裂縫、傷痕或彎曲，請勿使用本工具。
確保切割配件正確安裝。切割配件在操作過程中碎裂或鬆動可能會導致事故。
- 開始作業之前，請務必安裝罩蓋。
沒有安裝罩蓋的情況下操作工具，可能會導致人體傷害。
- 請務必在開始工作前安裝手柄。開始工作前，請確保它未鬆動且正確連接。工作時請牢牢地握住手柄，請勿左右擺動工具，而是使用正確的姿勢並保持平衡。
失去平衡時可能會導致人體傷害。
- 小心啟動馬達。
將工具放置在平地上。
操作時與人或動物保持 15 公尺距離。
確保切割配件不接觸地面或樹木和植物。
- 不要緊固鎖定桿。
不小心將鎖定桿拉回可能導致意外傷害。
- 離開工具時，請按下電源按鈕將其關閉。
- 附近有電纜、煤氣管及類似裝置時，請小心操作工具。
- 開始作業前，環視周圍有無空罐頭、鐵絲、石頭或其他障礙物，若有請除去。並且不要在樹根或石塊附近進行操作。
在這些區域工作可能會損壞切割配件或導致受傷。
- 操作期間切勿觸摸切割配件。
也請確保尼龍頭不會接觸到您的頭髮、衣服等。
- 在下列情況下，請關閉馬達並檢查切割配件是否已停止轉動。
移動到另一個工作區。
清除卡在工具上的垃圾或雜草。
清除工作區的障礙物及因修剪而產生的垃圾、雜草和碎片。
放下工具。
在切割配件仍在旋轉的情況下執行這些動作可能會導致意外事故。
- 操作時與其他人保持 15 公尺距離。
當您與別人一同工作時，彼此請保持 15 公尺以上的距離。
飛來的碎片可能會導致意外事故。
在斜坡上等不穩定的表面作業時，確保您的同事不會受到任何危險。
使用哨子或其他方法喚起您同事的注意。
- 當草和其他物體纏繞在切割配件時，請關閉馬達並確保切割配件已停止旋轉，然後再將其移除。
當切割配件仍在旋轉時，從切割配件中取出物體會導致受傷。
當異物卡在切割配件時繼續操作可能會導致損壞。
- 如果該工具操作不順手，產生奇怪的噪音或震動，請立即關閉馬達並要求經銷商檢查和維修工具。
發生上述狀況仍繼續使用的話，可能導致人體傷害或工具損壞。
- 如果您使工具掉落或受到撞擊，仔細檢查並確認有無損壞、裂紋或變形。
使用損壞、破裂或變形的工具，可能導致人體傷害。
- 以車輛運輸時，請將工具固定，並確保工具呈躺臥靜止狀態。
否則可能導致事故發生。
- 搬運或移動本工具時，請雙手握住主要導管，搬運時保持刀片遠離您的身體。
- 將刀片護套放入隨附的工具包中，以便在需要時可立即使用，並始終將其放在本工具附近。
- 運輸或存放本工具時，請取出電池，移除刀片或用刀片護套蓋住刀片。
- 不工作時，請從本工具取下肩帶。
- 確保電池安裝牢固。如果有鬆動，可能會脫落而造成事故。
- 如果工具或電池端子（電池座）變形，請勿使用本產品。
安裝電池可能會造成短路，從而導致冒煙或起火。
- 保持工具的端子（電池座）沒有削屑和灰塵。
 - 使用前請確認端子區域沒有堆積削屑和灰塵。
 - 使用過程中盡量避免工具上的削屑或灰塵掉落在電池上。
 - 暫停操作或使用後，請勿將工具留在可能暴露於有掉落削屑或灰塵的區域。
否則可能會造成短路，從而導致冒煙或起火。
- 務必在 -5°C 至 40°C 的溫度下使用本工具和電池。
- 請勿對開關面板施加強烈的衝擊或將其折斷。這可能會引發問題。

注意

- 請勿將切割配件用於切割草以外的物體。請勿在水坑中操作本工具，並確保土壤不會與切割配件接觸。
- 本工具包含精密零件，請小心不要使工具掉落、受到強烈撞擊或浸水。
該工具可能會損壞或故障。
- 使用後存放或運輸本工具時，請拆下切割配件。
- 請勿讓工具暴露在使用殺蟲劑和其他化學物品的環境中。
這些化學物質可能會導致工具破裂和其他損壞。
- 當警告標籤變得難以辨識或有脫落現象時，請更換新的警告標籤。
請向經銷商索取警示標籤。

電池與充電器的注意事項 (另售)

- 務必在0~40°C的溫度環境下進行電池的充電。溫度低於0°C會導致充電過度，非常危險。電池不能在高於40°C的溫度下充電。
最適合充電的溫度是20~25°C之間。
- 請勿讓異物進入充電池的連接口內。
- 切勿拆卸充電池或充電器。
- 切勿使充電池短路。
電池短路會造成極大電流和過熱。從而燒壞電池。
- 請勿將電池丟入火中。
燃燒電池會引起爆炸。
- 充電後電池壽命若太短不夠使用，請盡快將電池送往經銷店。不可將用過的電池丟棄。
- 請勿將異物插入充電器的通風口。
若將金屬異物或易燃物插入充電器的通風口，將引起觸電事故或使充電器受損。

鋰離子電池使用注意事項

為延長使用壽命，鋰離子電池備配停止輸出的保護功能。

若是在使用本產品時發生下列 1 至 3 的情況，即使按下開關，馬達也可能停止。這並非故障，而是啟動保護功能的結果。

- 在殘留的電池電力即將耗盡時，馬達會停止。
在這種情況下，請立即予以充電。
- 若工具超過負荷，馬達亦可能停止。在這種情況下，請鬆開工具的開關，試著消除超過負荷的原因。之後您就可以再度使用。
- 若電池在過載工作情況下過熱，電池電力可能會中止。
在這種情況下，請停止使用電池，讓電池冷卻。之後您就可以再度使用。

此外，請留心下列的警告及注意事項。

警告

為事先防止電池發生滲漏、發熱、冒煙、爆炸及起火等事故，請確保留意下列事項。

- 確保電池上沒有堆積削屑及灰塵。
- 在工作時確定削屑及灰塵沒有掉落在電池上。
- 確定所有工作時掉落在電動工具上的削屑和灰塵沒有堆積在電池上。
- 請勿將未使用的電池存放在曝露於削屑和灰塵的位置。
- 在存放電池之前，請清除任何可能附著在上面的削屑和灰塵，並請切勿將它與金屬零件（螺絲、釘子等）存放在一起。
- 請勿以釘子等利器刺穿電池、以鐵錘敲打、踩踏、丟擲電池，或將其劇烈撞擊。

- 切勿使用明顯損壞或變形的電池。
- 請依規定方式使用電池，切勿移作他用。
- 如果已過了再充電時間，電池仍無法完成充電，請立即停止繼續充電。
- 請勿將電池放置於高溫或高壓處，例如微波爐、烘乾機或高壓容器內。
- 發現有滲漏或異味時，請立即將電池遠離火源處。
- 請勿在會產生強烈靜電的地方使用。
- 如電池出現滲漏、異味、發熱、褪色或變形，或在使用、充電或存放時出現任何異常，請立即將它從裝備或電池充電器拆下，並停止使用。
- 請勿將電池浸入任何液體，或讓任何液體流入電池內。若水等具有導導性的液體滲入，可能會造成損壞，進而導致火災或爆炸。將電池存放在陰涼、乾燥的地方，遠離可燃及易燃物品。必須避免腐蝕性氣體環境。
- 請勿對開關面板施加強烈的衝擊或將其折斷。這可能會引發問題。

注意

- 若電池滲漏出的液體進入您的眼睛，請勿搓揉眼睛，並以自來水等乾淨清水充分沖洗，立刻送醫。若不加以處理，液體可能會導致眼睛不適。
- 若液體滲漏至您的皮膚或衣物，請立即以自來水等清水沖洗。
上述情況可能會使皮膚受到刺激。
- 若初次使用電池時發現生銹、異味、過熱、褪色、變形及／或其他異常情況時，請勿使用並將該電池退還給供應商或廠商。

警告

若具有導電性的異物進入鋰離子電池的端子，可能會造成短路，進而引發火災。請在存放電池時遵循以下事項。

- 請勿將導電物品，如鐵釘、鐵絲等金屬絲，銅線和電線放入儲存箱內。
- 為了防止發生短路，將電池裝入工具內或確實壓下電池蓋儲存電池，直至遮住通風孔為止。
(請參閱圖 4)

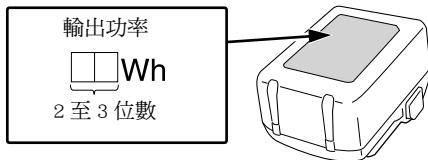
關於鋰離子電池的運輸

運輸鋰離子電池時，請遵守以下注意事項。

警告

安排運輸時，請通知運輸公司包裹中含有鋰離子電池，告知該電池之輸出功率，並按照運輸公司的指示。

- 輸出功率超過 100 Wh 的鋰離子電池被視為貨物分類中的危險物品，將需要特殊的申請程序。
- 對於國外的運輸，必須遵守國際法規則和目的國法規。



連接 USB 裝置的注意事項 (UC18YSL3)

發生未預期的問題時，連接到本產品的 USB 裝置內的數據可能會損壞或丟失。使用本產品之前，請務必將 USB 裝置內的所有數據進行備份。

請注意，本公司對任何存儲於 USB 裝置內已損壞或丟失的數據以及任何可能發生於連接裝置的損害，恕不負任何責任。

警告

- 使用前，請檢查連接的 USB 電纜是否有缺陷或損壞。
使用有缺陷或損壞的 USB 電纜可能會導致冒煙或起火。
- 產品不使用時，請用橡膠蓋蓋住 USB 端口。
USB 端口堆積灰塵可能會導致冒煙或起火。

註：

- USB 充電期間有可能偶爾停頓。
- 當 USB 裝置未被充電時，請從充電器取出 USB 裝置。
若未進行此動作，不僅可能減少 USB 裝置的電池壽命，並可能導致意外事故的發生。
- 根據裝置的類型，可能無法對某些 USB 裝置進行充電。

各部位名稱（圖 2 — 圖 36）

1	充電式電池	10	主要導管
2	卡榫	11	握把側
3	電池蓋	12	環柄
4	端子	13	M6 螺帽
5	通氣孔	14	M6 × 43 螺栓
6	按下	15	握柄夾具 (環形把手類型)
7	拉出	16	把手位置標籤
8	插入	17	右把手
9	充電指示燈	18	槓桿

19	左把手	48	鋸片
20	握柄夾具 (自行車把手型)	49	刀具護罩
21	M5 × 25 六角套筒螺栓	50	刀具座
22	M6 × 25 六角套筒圓頭螺栓	51	刀具座蓋
23	罩蓋托架	52	螺帽
24	保護罩	53	電源開關
25	齒輪箱	54	警告信號
26	保護罩延伸件	55	模式開關
27	刀具	56	模式指示燈
28	螺栓	57	鎖定桿
29	肩帶	58	把手
30	快速釋放帶	59	電池電量指示開關
31	懸掛裝置	60	電池電量指示燈
32	托架	61	潤滑油
33	掛鉤	62	側面螺絲孔
34	快速釋放托架	63	罩蓋
35	尼龍頭	64	機箱
36	按鈕	65	鎖定片
37	磨損極限標誌 (2 標誌)	66	按壓調整片 (2 區)
38	刀具座 (A)	67	捲軸
39	25 mm 直徑凸座	68	制動裝置孔
40	止動銷	69	U 形端
41	馬達箱螺紋緊固件	70	凹槽
42	尼龍打草頭鎖緊方向 (左旋)	71	捲繞尼龍線的方向
43	尼龍線	72	圓孔眼線導軌
44	輕敲	73	握住捲軸時
45	以 30 mm 遞增延長	74	通過圓孔眼線導軌 把線紮起來
46	輕敲 / 放開	75	罩蓋鎖定孔 (2 孔)
47	適當長度 110 — 140 mm	76	螺栓 (用於懸掛裝置)

規格

1. 電動工具

機型	CG36DC	CG36DC(L)
電壓	36 V	
柱式	直式	
尼龍繩直徑	2.4 mm	
切割能力直徑	尼龍頭	440 mm
	鋸片	255 mm
旋轉方向	從上面看為逆時針	
空載速度	強力	6000 /min
	自動	4700 /min
	節能	3000 /min
充電一次後的運作時間 *1 (BSL36B18X) (鋸片 / 尼龍頭)	強力	50 分鐘 /10 分鐘
	自動	80 分鐘 /24 分鐘
	節能	160 分鐘 /80 分鐘
可用於本工具的電池 *2	多電壓電池	
重量 *3	5.4 kg	5.2 kg

*1 隨附的充電池充滿電時

由於環境溫度、充電電池特性等可能會有很大差異，因此上述內容僅供粗略指南。

條件：使用刀片時，模式開關設定為強力、自動或節能。（槓桿始終為 ON）

*2 無法使用 AC/DC 轉接器 (ET36A)。

本工具不能使用現有的電池 (BSL3660 / 3626X/3626/3625/3620、BSL18 和 BSL14 系列)。

*3 重量：含刀片、保護罩和肩帶

註：

為求改進，本手冊所載規格可能不預先通告而徑予更改。

2. 電池 (另售)

機型	電壓	電池容量
BSL36B18X	36 / 18 V*1	4.0 / 8.0 Ah*1

*1 工具本身將自動切換。

用途

○ 修剪、整理和刈剪雜草。

充電

使用電動工具之前，按下述方法將電池進行充電。

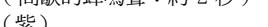
<UC18YSL3 (另售) >

1. 將充電器的電源線連接到插座。
當充電器的插頭連接到插座時，充電指示燈會閃爍紅燈（參見表 1）
2. 將電池裝入充電器。
將電池確實插入充電器如圖 6 (第 3 頁) 所示。
3. 充電
將電池插入充電器後，就會開始充電，紅色充電指示燈持續亮燈。
當電池充滿時，充電指示燈將呈綠色亮起。（參見表 1）

(1) 充電指示燈指示

充電指示燈的指示將根據充電器或充電電池的情況，如表 1 中所示。

表 1: 充電指示燈指示

以 0.5 秒為間隔亮起／熄滅 (紅)		充電前 *1
以 1 秒為間隔亮起 0.5 秒。 (藍)		充電低於 50%
以 0.5 秒為間隔亮起 1 秒。 (藍)		充電低於 80%
連續亮起 (藍)		充電高於 80%
連續亮起 (持續蜂鳴聲：約 6 秒) (綠)		充電完成
以 0.3 秒為間隔亮起／熄滅 (紅)		過熱待機 *2
以 0.1 為間隔亮起／熄滅 (間歇的蜂鳴聲：約 2 秒) (紫)		無法充電 *3

標準附件

除了主機身 (1 台) 以外，包裝盒內包含第 37 頁所列之附件。

標準附件可能不預先通告而徑予更改。

註：

- *1 如果安裝充電器後紅色指示燈持續閃爍，請檢查確認電池已完全插入。
 - *2 電池過熱。無法充電。
雖然電池在原位冷卻後會開始充電，但最佳做法是在充電前將電池取出並放在陰涼、通風良好的地方冷卻。
 - *3 電池或充電器故障
 - 完全插入電池。
 - 請檢查確認在電池座或端子上無異物。若沒有異物，則表示電池或充電器可能發生故障，請將其送往當地授權服務中心。
 - 連續使用電池充電器時，充電器溫度會昇高，而造成充電失敗。一旦充電完成，請等待 5 分鐘後再進行下一次充電。
- (2) 關於溫度和充電電池的充電時間（參見表 2）

表 2

型號	UC18YSL3	
電池類型	鋰離子	
充電電壓	14.4 – 18 V	
電池可以充電的溫度	0°C – 50°C	
電池容量的充電估計時間（溫度為 20°C）	1.5 Ah	15 分鐘
	2.0 Ah	20 分鐘
	2.5 Ah	25 分鐘
	3.0 Ah	20 分鐘 (BSL1430C， BSL1830C： 30 分鐘)
	4.0 Ah	26 分鐘 (BSL1840M： 40 分鐘)
	5.0 Ah	32 分鐘
	6.0 Ah	38 分鐘
	1.5 Ah (× 2 個)	20 分鐘
多電壓電池容量的充電估計時間（溫度為 20°C）	2.5 Ah (× 2 個)	32 分鐘
	4.0 Ah (× 2 個)	52 分鐘
	電池組數量	4 – 10
USB 充電電壓	5 V	
USB 充電電流	2 A	
重量	0.6 kg	

註：

- 根據環境溫度和電源電壓，充電時間可能會有所不同。
- 如果充電需要很長時間
 - 在極低的環境溫度下充電需要更長的時間。
在溫暖的地方（例如室內）為電池充電。
 - 請勿堵塞通風口。否則內部會過熱，降低充電器的性能。
 - 如果冷卻風扇無法運轉，請聯繫 HiKOKI 授權服務中心進行維修。
- 4. 將充電器的電源線從插座拔下。
- 5. 抓穩充電器並取出電池

註：

充電後，先將電池從充電器中取出，然後妥善保存。

使用新電池或其他電池，產生電量較弱的問題時。

由於新電池及長時間未使用之電池的內部化學物質未活化，因此初次及第二次使用時的電量會較弱。此為暫時現象；在充電 2 至 3 次後，電量就會恢復正常。

怎樣讓電池使用時間更長。

- (1) 在電池電量完全耗盡之前給電池充電。
在感覺工具的動力變弱時，停止使用工具並為電池充電。如果繼續使用工具消耗電流，可能會造成對電池的損壞，電池使用壽命會縮短。
- (2) 避免在高溫下充電。
充電電池在剛使用後會發熱。如果在電池剛使用後為電池充電，電池的內部化學物質的性能會下降，電池使用壽命會縮短。請先將電池放置一會兒，待電池冷卻後再進行充電。

安裝和操作

動作	圖表	頁數
拆卸和安裝電池	5	3
充電	6	3
電池剩餘電量指示器	26	7
從電源插座進行 USB 裝置的充電	27-a	7
從電源插座進行 USB 裝置和電池的充電	27-b	7
USB 裝置的充電方法	28	7
USB 裝置充電完成後	29	7
選擇附件	—	38

組裝程序

警告

在進行任何組裝之前取出電池。

1. 把手的安裝

(1) 環形把手型 (圖 7)

將把手安裝到主要導管，角度朝向握柄側。

操作前將位置調整到最舒適的位置。

務必用 2 個螺栓牢固地安裝把手。

註

在把手位置標籤上的箭頭標記之間安裝環形把手。

(2) 自行車把手型 (圖 8)

從組件拆下把手固定裝置。

放置把手並用四個螺栓稍微裝上把手固定裝置。

調整到合適的位置。然後用螺栓將其安裝牢固。

註

可以將自行車把手型的把手向前移動到把手位置標籤上的箭頭標記處來調節。

2. 保護罩的安裝

警告

如果安裝了不正確或故障的保護罩，可能會導致嚴重的人體傷害。

注意

刀件配備有保護罩延伸件。請小心使用。

將保護罩與罩蓋托架對齊，並使用螺栓和罩蓋托架將其固定到主要導管上。(圖 9)

註

- 購買時，保護罩延伸件已安裝在保護罩上。
- 罩蓋托架可能已安裝在齒輪箱上。

[使用半自動尼龍頭時]

使用尼龍頭時，將保護罩延伸件安裝在保護罩上，然後旋緊螺栓。(圖 10)

[使用刀片時]

警告

使用金屬或塑膠刀片時，請取下保護罩延伸件。否則可能會導致受傷或保護罩損壞。

註

由於延伸件有刀件，請戴上手套。

旋鬆螺栓。然後將保護罩上的三個方形片依次推入，並取下保護罩延伸件。(圖 11)

3. 安裝肩帶

警告

- 務必安裝肩帶，以便可以正確搬運割草機。
- 如果感覺到工具不能正常運作，請立即關閉馬達，取下肩帶的快速釋放托架，然後取下工具。

注意

- 如果拉動快速釋放帶時未扶住本工具，則工具可能會掉落而導致受傷或損壞。
- 用一隻手拉開時，另一隻手握住主要導管。
- 開始作業之前，確保快速釋放功能正常運作。
- 安裝前，請檢查並確認肩帶未被剪斷、磨損或損壞。
- 檢查確認掛鉤和吊扣無變形且無損壞。
- 安裝後，將主機向下按，確認掛鉤不會輕易脫落，肩帶也未鬆動。
- 檢查以確認快速釋放功能正常運轉。
- (1) 將肩帶放在肩膀上，如圖 12 所示，並將其與工具上的懸掛裝置接合。將肩帶調整到合適的長度。
- (2) 從肩帶上取下工具，用一隻手握住主要導管即可扶住工具，並用另一隻手拉動快速釋放帶，如圖 13 所示，使其從托架鬆開。
- (3) 若要綁在工具上，請將托架插入掛鉤中，並將快速釋放托架插在掛鉤上，放入托架的寬開口。(圖 14)
- 輕輕拉肩帶，確保其正確裝上。

註

您可能需要調節懸掛裝置的位置以平衡本機。為此，鬆開螺栓並調節懸掛裝置的位置。根據需要進行調節後，務必擰緊螺栓。(圖 15)

4. 切割配件的安裝

警告

- 按照使用說明書的說明，正確牢固地安裝切割配件。
- 如果未正確或牢固地安裝，其可能會脫落並造成嚴重和／或致命的傷害。
- 勿必使用 HiKOKI 原廠切割配件和金屬附件。

[半自動尼龍頭的安裝]

警告

有關 HiKOKI 機頭，只能使用製造商建議的柔性非金屬線。切勿使用鋼絲或鋼絲繩。其可能會折斷而成為危險的拋射物。

(1) 功能

當其於低轉速 (不大於 4500/min) 被輕敲時會自動送進更多尼龍割草繩。

規格

編號	安裝螺絲類型	旋轉方向	安裝螺絲尺寸
6601432	內螺紋	逆時針	M10xP1.25-LH

適用的尼龍繩

標準附件尼龍頭可用於 $\Phi 2.4$ mm (最大長度 4 m) 至 $\Phi 3.0$ mm (最大長度 2 m) 的繩。

注意

- 機箱與罩蓋必須牢固地連接。
- 檢查罩蓋、機箱和其他組件是否有裂縫或其他損壞。
- 檢查機箱和按鈕是否有磨損。
如果機箱上的磨損極限標誌不再看得到，或在按鈕的底部有一個孔，請立即更換新的零件。
(圖 16)
- 尼龍頭必須牢固地安裝到本機的齒輪箱。
- 如果尼龍頭無法正常送進割草線，請檢查尼龍線和所有組件是否正確安裝。若您需要幫助，請聯繫 HiKOKI 授權服務中心。

(2) 安裝 (圖 17)

- A: 按下齒輪箱的止動銷以鎖定刀具座。
- B: 將尼龍頭安裝在工具的齒輪箱上。安裝螺帽為左旋螺紋。順時針轉動可旋鬆／逆時針轉動可旋緊。

註

由於此處不使用刀具座蓋，因此請進行保管以備日後用於使用金屬刀片（如果配備）時。

(3) 調整割草線長度

將速度設定得盡可能低，然後輕敲地面上的按鈕。每次輕敲時，尼龍線將被拉出約 30 mm。
(圖 18)

此外，您可以手動延長尼龍線，但必須完全停止馬達。
(圖 19)

每次操作前將尼龍線調整到 110–140 mm 的適當長度。

[安裝切割刀片]

(1) 安裝 (圖 20)

警告

- 安裝切割刀片時，確保刀片沒有裂縫或任何損壞，並且切割刀口朝向正確的方向。
- 去除刀片安裝附件(刀具座 (A) (B) 螺帽蓋 螺帽)上的任何表面砂礫。否則可能會導致螺帽鬆動。
- 旋緊螺帽時，刀具座 (A) 的突出部分可能會與刀片不重合。操作前，請確保刀片已正確安裝。
- 用手轉動刀片，確保沒有搖晃或異常雜音。搖晃可能會造成異常振動或導致螺帽鬆動。

注意

- 如果您的裝置在切割刀片下方配備有防護罩，請在操作前檢查刀片安裝托架是否有磨損或裂縫。如果發現任何損壞或磨損，請進行更換，因為其為消耗品。

○ 處理刀片時必須戴上手套。

註

- 安裝刀具座蓋時，務必將凹面朝上。

- A: 按下齒輪箱的止動銷以鎖定刀具座。請注意，刀具固定螺栓或螺帽為左旋螺紋（順時針可旋鬆／逆時針可旋緊）。
- B: 用套筒扳手旋緊固定螺栓或螺帽。

操 作

警告

- 不要在夜間或惡劣氣象條件下等能見度差時操作工具。
- 雨天或降雨過後，請勿使用本工具。
- 穿著適當的鞋子，以防止滑倒，滑倒可能會導致您失去平衡並跌倒。
- 在陡峭的斜坡上請勿使用本工具。
在不那麼陡峭的斜坡上切割時，透過向山脊移動來切割。
- 注意不要將切割配件移動得太靠近您的腳。
- 切割時請勿將切割配件抬高至您的膝蓋以上。
- 請勿在切割配件可能接觸到石頭、樹木和其他障礙物的地方使用本工具。
- 馬達停止後繼續旋轉的切割配件可能會造成傷害。
當裝置關機後，確認切割配件在裝置放下前已經停止。
- 操作時與其他人保持 15 公尺距離。當您與別人一同工作時，彼此請保持 15 公尺以上的距離。

1. 裝入電池。

2. 開啟本工具。(圖 21-a)

- 按下把手上的電源開關，電源接通，並且把手上的電源指示燈亮起綠色。
- 再次按下電源開關，即關閉電源，並且把手上的綠燈熄滅。
- 拉動槓桿時，按下電源開關時電源不會開啟。

[自動關閉電源]

電源開啟後，若 5 秒未使用槓桿時，本工具會自動關閉。若要再次開啟本工具，請再次按下電源開關。

警告

絕對不要在電源開啟的狀態下離開工具。可能會導致事故發生。

3. 模式開關 (圖 21-b)

本工具配備 3 種模式：

「強力模式」、「自動模式」、「節能模式」。

每次按下模式開關，將改變操作模式。

即使電源關閉，設定模式仍保持設定時的狀態。

4. 槓桿操作和制動器 (圖 22)

若要開始切割配件的旋轉，在電源開啟的狀態下，按住鎖定桿的同時拉動槓桿。

鬆開槓桿時，制動器會接合 1–3 秒鐘，停止切割配件的旋轉。

在使用本工具之前，請確保制動器正常運作。

5. 切割

- 握住把手，按下鎖定桿並拉開槓桿以啟動切割頭旋轉。(圖 22)
- 完成割草時放開槓桿，並停止馬達。
- 採取易於移動的姿勢。

[使用半自動尼龍頭]

請勿擺動主軸管，而是用臀部將尼龍打草頭從左到右以弧形水平移動，同時向前，並使用尼龍打草頭的右側切割草。(圖 23)

[使用刀片]

- 從右向左割草，使用刀片的左側切割。(圖 24)
- 切割時將刀片稍微向左傾斜可將割下的草堆積到左側，以便於收集。

警告

- 當旋轉中的刀片接觸到關鍵區域的固體物時，可能會發生刀片推力。

可能會發生危險的反應，導致整個裝置和操作者被猛烈地推擠。這種反應稱為刀片推力。因此，操作者可能會失去對本機的控制，這可能導致嚴重或致命的傷害。刀片推力更容易發生在難以看到被切割材料的區域。

- 如果切割配件碰撞到石頭或其他碎屑，請停止引擎並確保配件和相關零件完好無損。

註

過度提高轉速可能會導致刀片磨損、振動和噪音增加。也將導致燃料消耗增加。

6. 攜帶工具

注意

- 取出蓄電池。(圖 5)
- 用手拿著工具。
- 如果安裝了刀片，請安裝隨附的刀片護套。

操作時的注意事項

本工具具有保護控制主機的電子元件的功能。如果在刈草過程中發生過載——例如，如果切割配件鎖住或被植物堵塞——將啟動該功能以停止馬達。若發生此情況，警告信號(圖 25 中的 54)將閃爍。檢查信號狀態並採取適當的修正措施。(圖 25，表 3)

您可以在採取下列修正措施後恢復使用。採取措施減少施加在馬達上的負載，例如，減少切削深度。清除切割配件上的植物前，請關閉電源並從工具主機中取出電池。

電源燈 閃爍狀態	原因	修正措施
 (緩慢閃爍)	內部溫度超過預設限值。已停止工具。(馬達關閉。1分鐘後，將關閉電源。) [溫度保護功能]	關閉電源並等待裝置冷卻。待裝置溫度下降後，即可恢復使用。
 (快速閃爍)	工具附件負載超過預設限制。已停止工具。(馬達關閉且燈閃爍10秒。) [過載保護功能]	關閉電源並取出電池。解決造成過載的原因。 解決過載的原因後，即可恢復使用。

維護和檢查

警告

做任何檢查或維修前請取出電池。

1. 檢查切割配件的狀態

應定期檢查切割配件。磨損或損壞的切割配件可能會滑動或降低馬達的效率並將其燒毀。

切割配件磨損時，請將其換新。

注意

使用尖端磨損或損壞的切割配件是相當危險的。請更換新的切割配件。

2. 檢查安裝螺釘

要經常檢查安裝螺釘是否緊固妥善。若發現螺釘鬆了，應立即重新扭緊，否則會導致嚴重的事故。

3. 電動機的維護

電動機繞線是電動工具的心臟部。應仔細檢查有無損傷，是否被油液或水沾濕。

4. 端子的檢查 (工具和電池)

檢查以確保端子上沒有堆積削屑和灰塵。
有時於操作前、操作期間和操作後檢查。

注意

去除任何可能已堆積在端子上的削屑或灰塵。
否則可能會導致故障。

5. 清理外部

割草機髒汙時，請使用乾淨軟布或沾肥皂水的布擦拭。切勿使用氯溶液、汽油或稀釋劑，以免塑膠部分溶化。

6. 齒輪箱 (圖 30)

每操作 50 小時，請移除在齒輪箱側邊的潤滑油添加塞，並檢查齒輪箱或角齒輪的潤滑油高度。如果在齒輪側面的螺絲孔中無法目視到潤滑脂，請在齒輪箱注入高品質鋰基多效潤滑油 (另售) 至 3/4 滿。

注意

- 將插頭連接到其原來的位置時，務必除去任何污垢或磨粒。
- 在試圖檢查或維修齒輪箱之前，確保齒輪箱已經冷卻。

7. 半自動尼龍頭

更換尼龍線

- (1) 用力向內推鎖定片，取下機箱。(圖 31-a)
- (2) 取下機箱後，取出捲軸並丟棄剩餘的線。(圖 31-b)
- (3) 將新的尼龍線不對稱地對折。(圖 32-a)
將尼龍線的 U 形端鉤入捲軸中心隔板的凹槽中。(圖 32-b)
將線的兩半以相同的方向纏繞在捲軸上，將線的每一半保持在隔板的各自一側。

註

- 將線固定在凹槽中時，不要越過尼龍線。(圖 32-d)
- (4) 將每條線推入制動裝置孔，留下鬆開的末端約 100 mm 長。(圖 32-c)
 - (5) 將制動裝置的位置和圓孔眼線導軌對準，然後將捲軸插入機箱。
輕握住捲軸的同時從制動裝置放開尼龍線，然後將線穿過圓孔眼線導軌。(圖 33)
 - (6) 將罩蓋放在機箱上，使機箱上的鎖定片與罩蓋的鎖定孔符合。然後牢固地推動機箱，直至其卡入到位。(圖 34)
 - (7) 初始割草線長度應約為 110 – 140 mm，並且兩側應相等。(圖 35)

8. 刀片 (圖 36)

警告

在對刀片進行處理或維護時，請戴上防護手套。

- 使用鋒利的刀片。鈍刀片更容易卡住和猛推。
如果緊固螺帽損壞且難以旋緊，請更換緊固螺帽。
- 更換刀片時，請購買 HiKOKI 建議的附有 25.4 mm (1 inch) 安裝孔的刀片。
- 如果是 3 齒刀片，其可以在任一側使用。
- 根據作業類型使用正確的刀片。
- 更換刀片時，請使用適當的工具。
- 當切割刀口變鈍時，如圖所示重新磨銳或銳銳。
不正確的銳化可能會導致過度振動。
- 丟棄彎曲、變形、破裂、破損或任何損壞狀態的刀片。

註

磨銳刀片時，重要的是要在齒根處保持原始半徑形狀以避免破裂。

9. 收藏

將電動工具和電池存放在溫度低於 40°C 且兒童接觸不到的地方。

註

存放鋰離子電池

存放鋰離子電池前，確保其已完全充電。

電池在低電力的狀態下長期存放 (3 個月以上)，可能會導致性能劣化，電池的使用時間顯著降低或無法再進行充電。

然而，反覆將電池充電和暫停充電二至五次，可能會改善電池使用時間的顯著降低情況。

反覆充電後，若電池的使用時間仍呈現極短現象，表示電池壽命已盡，請購買新的電池。

注意

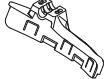
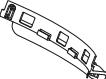
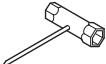
在操作和維修電動工具中，必須遵守各國的安全規則和標準規定。

HiKOKI 充電式工具電池重要注意事項

請務必使用本公司所指定的原廠電池。若未使用本公司所指定的電池，或使用經拆解及改裝的電池 (例如，拆解後更換電池芯或其他內部零件)，則本公司無法保證充電式工具的性能及操作安全。

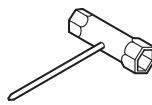
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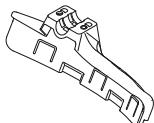
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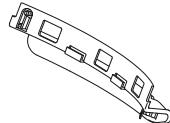
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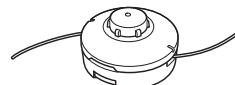
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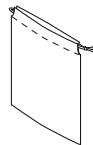
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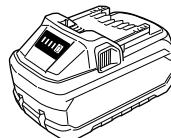
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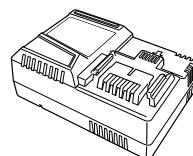
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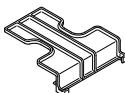
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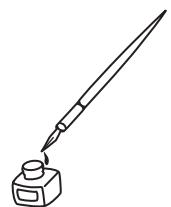
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