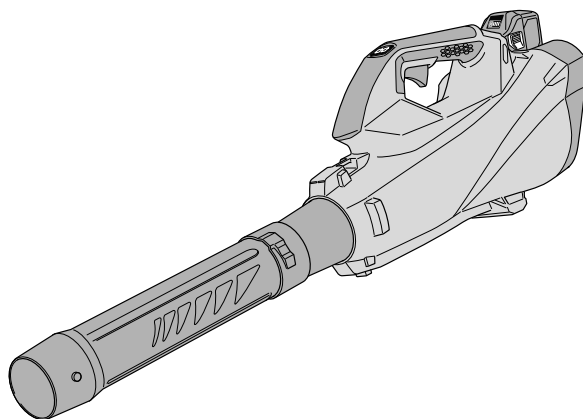


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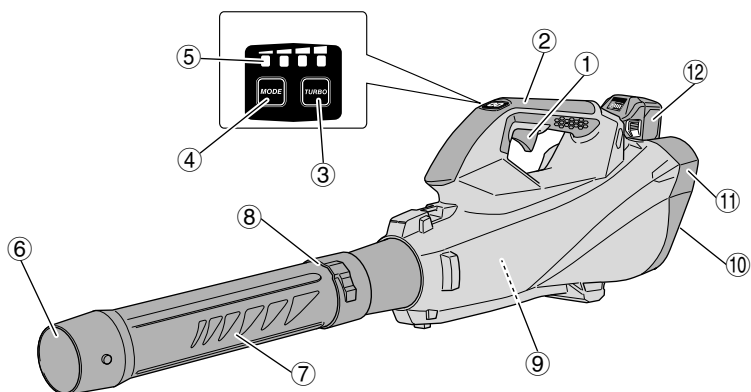
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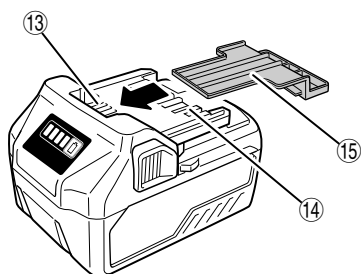
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Hitachi Koki

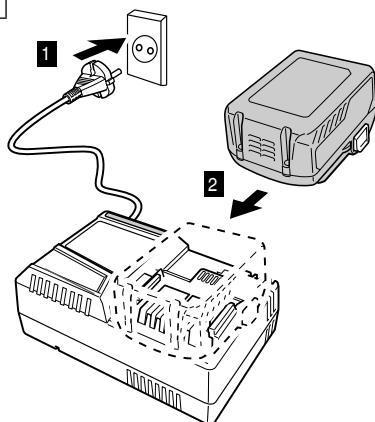
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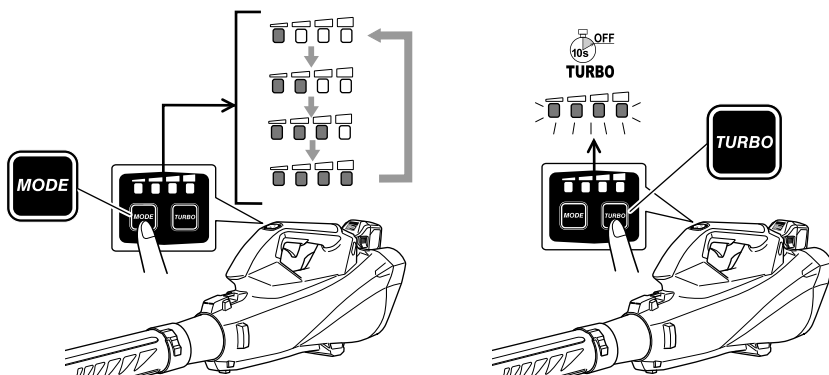
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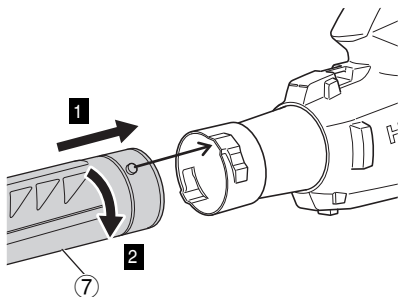
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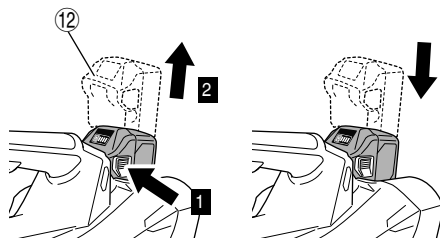
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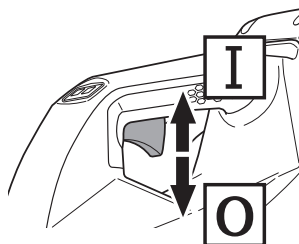
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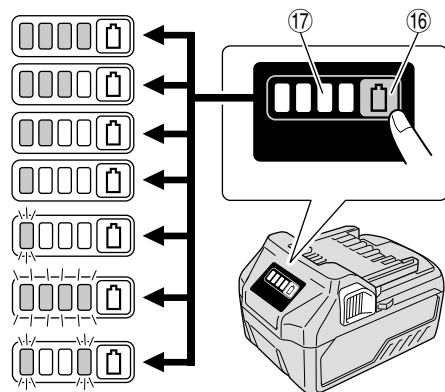
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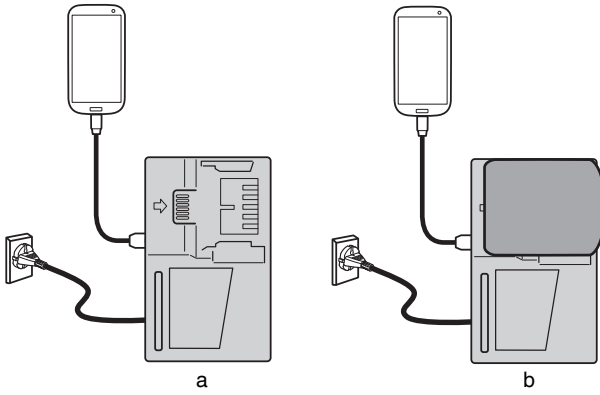
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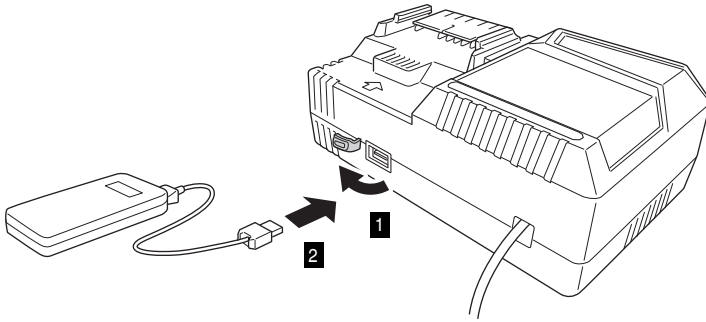
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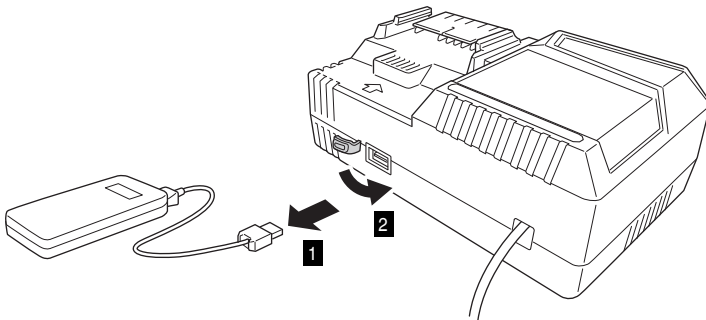
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11



GENERAL POWER TOOL SAFETY WARNINGS

WARNING

Read all safety warnings and all instructions.

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

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

a) Keep work area clean and well lit.

Cluttered or dark areas invite accidents.

b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

Power tools create sparks which may ignite the dust or fumes.

c) Keep children and bystanders away while operating a power tool.

Distractions can cause you to lose control.

2) Electrical safety

a) Power tool plugs must match the outlet.

Never modify the plug in any way.

Do not use any adapter plugs with earthed (grounded) power tools.

Unmodified plugs and matching outlets will reduce risk of electric shock.

b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.

There is an increased risk of electric shock if your body is earthed or grounded.

c) Do not expose power tools to rain or wet conditions.

Water entering a power tool will increase the risk of electric shock.

d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.

Damaged or entangled cords increase the risk of electric shock.

e) When operating a power tool outdoors, use an extension cord suitable for outdoor use.

Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.

Use of an RCD reduces the risk of electric shock.

3) Personal safety

a) Stay alert, watch what you are doing and use common sense when operating a power tool.

Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.

A moment of inattention while operating power tools may result in serious personal injury.

b) Use personal protective equipment. Always wear eye protection.

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

c) Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.

Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d) Remove any adjusting key or wrench before turning the power tool on.

A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e) Do not overreach. Keep proper footing and balance at all times.

This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.

Loose clothes, jewellery or long hair can be caught in moving parts.

g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.

Use of dust collection can reduce dust-related hazards.

4) Power tool use and care

a) Do not force the power tool. Use the correct power tool for your application.

The correct power tool will do the job better and safer at the rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on and off.

Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

Power tools are dangerous in the hands of untrained users.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power 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.

5) Battery tool use and care

a) Recharge only with the charger specified by the manufacturer.

A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b) Use power tools only with specifically designated battery packs.

Use of any other battery packs may create a risk of injury and fire.

- c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.

Shorting the battery terminals together may cause burns or a fire.

- d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.

Liquid ejected from the battery may cause irritation or burns.

6) Service

- a) Have your power tool serviced by a qualified repair person using only identical replacement parts.

This will ensure that the safety of the power tool is maintained.

PRECAUTION

Keep children and infirm persons away.

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

GARDEN BLOWER SAFETY WARNINGS

IMPORTANT

READ CAREFULLY BEFORE USE

KEEP FOR FUTURE REFERENCE

Safe operation practices for hand-held garden blowers

● Training

- a) Read the instructions carefully. Be familiar with the controls and the correct use of the machine.
- b) Never allow children or people unfamiliar with these instructions 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) Obtain ear protection and safety glasses. Wear them at all times while operating the machine.
- b) While operating the machine always wear substantial footwear and long trousers. Do not operate the machine when barefoot or wearing open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties.
- c) Do not wear loose clothing or jewellery that can be drawn into the air inlet. Keep long hair away from the air inlets.
- d) Operate the machine in a recommended position and only on a firm, level surface.
- e) Do not operate the machine on a paved or gravel surface where ejected material could cause injury.
- f) Before using, always visually inspect to see, that the shredding means, shredding means bolts and other fasteners are secure, the housing is undamaged and that guards and screens are in place. Replace worn or damaged components in sets to preserve balance. Replace damaged or unreadable labels.
- g) 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.
- h) Never operate the machine while people, especially children, or pets are nearby.

● Operation

- a) Before starting the machine, make certain that the feeding chamber is empty.
- b) Keep your face and body away from the feed intake opening.
- c) Do not allow hands or any other part of the body or clothing inside the feeding chamber, discharge chute, or near any moving part.
- d) Keep proper balance and footing at all times. Do not overreach. Never stand at a higher level than the base of the machine when feeding material into it.
- e) Always stand clear of the discharge zone when operating this machine.
- f) When feeding material into the machine be extremely careful that pieces of metal, rocks, bottles, cans or other foreign objects are not included.
- g) If the cutting mechanism strikes any foreign objects or if the machine should start making any unusual noise or vibration, immediately shut off the power source and allow the machine to stop. Disconnect the machine from the supply and take the following steps before restarting and operating the machine:
 - i) inspect for damage;
 - ii) replace or repair any damaged parts;
 - iii) check for and tighten any loose parts.
- h) Do not allow processed material to build up in the discharge zone; this may prevent proper discharge and can result in kickback of material through the intake opening.
- i) If the machine becomes clogged, shut-off the power source and disconnect the machine from supply before cleaning debris.
- j) Never operate the machine with defective guards or shields, or without safety devices.
- k) Keep the power source clean of debris and other accumulations to prevent damage to the power source or possible fire.
- l) Do not transport this machine while the power source is running.
- m) Stop the machine, and remove plug from the socket. Make sure that all moving parts have come to a complete stop
 - whenever you leave the machine,
 - before clearing blockages or unclogging chute,
 - before checking, cleaning or working on the machine.
- n) Do not tilt the machine while the power source is running.

● Maintenance and storage

- a) When the machine is stopped for servicing, inspection, or storage, or to change an accessory, shut off the power source, disconnect the machine from the supply and make sure that all moving parts are come to a complete stop. Allow the machine to cool before making any inspections, adjustments, etc. Maintain the machine with care and keep it clean.
- b) Store the machine in a dry place out of the reach of children.
- c) Always allow the machine to cool before storing.
- d) Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.
- e) Never attempt to override the interlocked feature of the guard.

PRECAUTIONS FOR CORDLESS BLOWER

- 1. Never allow children or people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator.

2. The operator or user is responsible for accidents or hazards occurring to other people or their property.
3. Do not put your hands or face near the cordless blower opening during use.
Doing so might lead to injuries.
4. Remove this unit a safe distance away from electrical conductors when cleaning sections carrying electrical power such as the electrical panel.
5. Do not block the cordless blower blast port or air intake. Blocking the cordless blower blast port or air intake will cause an abnormal increase in the motor's RPM and might damage the vanes on the inner section of the unit or cause injuries. The motor might also overheat and cause a fire.
6. Do not use when your field of vision is limited, such as at night or in bad weather. Similarly, do not use during rain or on wet ground, such as after a rain.
The footing at such times is poor and may cause you to lose your balance and have an accident.
7. Do not use in locations where inflammable materials such as lacquer, paint, benzene, thinner or gasoline are present. Also do not let items such as lighted cigarette butts be suctioned inside at such locations.
Explosion or fires might result.
8. Do not use in environments subject to heavy doses of chemicals, etc.
Plastic sections such as the fan on the inner section of the unit might weaken and break, and injuries might occur.
9. If you notice the unit is operating poorly or making abnormal noises, immediately stop using and shut off the power switch. Request an inspection and repair from the dealer where you purchased the unit or a Hitachi Authorized Service Center.
Continuing to use while operating abnormally might cause injuries.
10. If the unit is mistakenly dropped or strikes another object, make a thorough check of the unit for cracks, breakage or deformation, etc.
Injuries might occur if the unit has cracks, breakage or deformation.
11. Do not use near objects generating high heat such as stoves.
Fires might occur if used near such locations.
12. Make a thorough inspection if using the cordless blower to blow or clean viscous powder or dust particles.
Powder or dust particles might be suctioned in and adhere internally, causing the fan to break or injuries to occur.
13. Do not leave on locations such as benches or floors while still rotating.
Injuries might occur.
14. While operating the machine, always wear substantial footwear and long trousers.
15. Dust produced while using the machine may be harmful to your health. When a lot of dust is produced during use, wear a dust mask.
16. Do not take your eyes off of the tip of the extension nozzle or the blast port as you move forward slowly. Never work in a backward direction. Doing so may result in falling down.
17. Never allow anyone to approach the operator of the machine closer than 5 meters, so they are not hit by flying objects. Similarly, always maintain this distance from other objects, such as cars or windows, so they are not damaged by flying objects.
18. Never point toward people or animals. The machine blows small objects at a high velocity and can cause injury.
19. Never operate from an unstable footing, such as when on a ladder or step ladder.
Doing so may cause an injury.
20. Precautions during transport
 - Release the switch on the body of the machine and remove the battery.
 - Carry the machine by the handle on its body.
 - When transporting it via vehicle, take appropriate steps to prevent it from falling over or being damaged.
21. Be careful of your footing while working when it is slippery, such as in wet areas, in the snow or ice, and on slopes or irregular surfaces.
22. Take note that when working in dry conditions with lots of fine particles, it may build up static electricity and discharge unexpectedly.
23. Walk, never run.
24. Operate the machine only at reasonable hours - not early in the morning or late at night when people might be disturbed.
25. Use rakes and brooms to loosen debris before blowing.
26. Slightly dampen surfaces in dusty conditions or use mister attachment.
27. Use the extension nozzle so the air stream can work close to the ground.
28. Store the machine only in a dry place.
 - This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. (7.12 IEC 60335-1:2010)
 - Children should be supervised to ensure that they do not play with the appliance. (7.12 IEC 60335-1:2010)
 - This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. (7.12 EN 60335-1:2012)
29. 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.
30. 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.

ADDITIONAL SAFETY WARNINGS

BATTERY REMOVAL/INSTALLATION CAUTION

Never short-circuit the battery.

USING THE BLOWER WARNING

- Do not use when your field of vision is poor, such as at night or in inclement weather.
- Do not use in the rain or on wet ground after it has rained.
- Always be careful of your footing when using the blower so you don't slip and lose your balance.
- Do not use on steep slopes.
- Pay attention to which way the blower is pointed to avoid people and things that may be broken easily, such as windows.

- Be careful about working in confined spaces or blowing into the wind to avoid flying objects coming back and hitting you.
- Do not get closer than 5 meters from others. And when 2 or more people are working, keep a distance of at least 5 meters from each other.
- When attaching or removing the extension nozzle always release the switch and remove the battery from the blower to prevent an accident.
- Keep the air intake away from your body as it may suck your work clothes against the air intake.

CAUTION

- Mount the battery securely to the blower.
If it is not mounted securely, it may fall off and cause an injury.
- If something gets in the air intake, causing the blower to stop, release the switch immediately, then remove the battery before trying to dislodge the foreign object.

PRECAUTIONS FOR BATTERY AND CHARGER

1. Always charge the battery at an ambient temperature of -10–40°C. A temperature of less than -10°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 use the charger continuously.
When one charging is completed, leave the charger for about 15 minutes before the next charging of battery.
3. Do not allow foreign matter to enter the hole for connecting the rechargeable battery.
4. Never disassemble the rechargeable battery or charger.
5. 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.
6. Do not dispose of the battery in fire.
If the battery is burnt, it may explode.
7. Using an exhausted battery will damage the charger.
8. 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.
9. 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 a 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.
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.
- During work make sure that swarf and dust do not fall on the battery.
- Make sure that any swarf and dust falling on the power tool during work do not collect on the battery.
- Do not store an unused battery in a location exposed to swarf and dust.
- 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.).
2. 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.
3. Do not use an apparently damaged or deformed battery.
4. Do not use the battery in reverse polarity.
5. Do not connect directly to an electrical outlets or car cigarette lighter sockets.
6. Do not use the battery for a purpose other than those specified.
7. If the battery charging fails to complete even when a specified recharging time has elapsed, immediately stop further recharging.
8. Do not put or subject the battery to high temperatures or high pressure such as into a microwave oven, dryer, or high pressure container.
9. Keep away from fire immediately when leakage or foul odor are detected.
10. Do not use in a location where strong static electricity generates.
11. 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.
12. 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.

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. 2).**

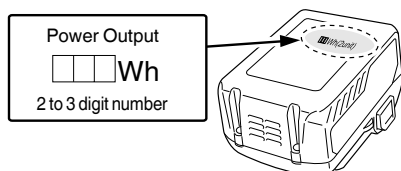
REGARDING LITHIUM-ION BATTERY TRANSPORTATION

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

WARNING

Notify the transportation 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 100Wh 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. 1 – Fig. 8)

①	Switch
②	Handle
③	Turbo mode switch
④	Mode switch
⑤	Mode indicator lamp
⑥	Blast port
⑦	Extension nozzle

⑧	Blast port
⑨	Motor and fan
⑩	Suction port
⑪	Nose grill
⑫	Battery
⑬	Ventilation holes
⑭	Battery terminals
⑮	Battery cover
⑯	Battery level indicator switch
⑰	Battery level indicator lamp

SYMBOLS

WARNING

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

Symbol	Meaning
	RB36DA: Cordless Blower
	To reduce the risk of injury, user must read instruction manual. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
	Read, understand and follow all warnings and instructions in this manual and on the unit.
	Always wear eye protector when using this unit.
	Do not use a power tool in the rain and moisture or leave it outdoors when it is raining.
	When objects are blasted away, they may bounce back and cause an injury and/or damage to other objects in the area. Always wear protective clothing and shoes.
	Keep all children, bystanders and helpers at least 5 meters away from the unit.
	WARNING DANGER Never put your hand or anything on the air intake or at the blast port. Doing so may cause injury and/or damage the machine.
	The turbo mode is designed to turn off automatically and return to the previous mode after 10 seconds in order to protect the electronic circuitry. Please note that this is not a malfunction.
	Mode switch
	Turbo mode switch
	Lights ; Mode 1
	Lights ; Mode 2
	Lights ; Mode 3
	Lights ; Mode 4
	Blinks ; Turbo mode

Battery

Symbol	Meaning
	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.
	Disconnect the battery

STANDARD ACCESSORIES

In addition to the main unit (1 unit), the package contains the accessories listed on page 15.

Standard accessories are subject to change without notice.

APPLICATIONS

- Cleaning leaves from parks and gardens.
- Cleaning up after pruning or mowing.
- Cleaning up stadiums and grounds.

SPECIFICATIONS

1. Power tool

Model	RB36DA
Voltage	36 V
Speed	0 – 24000 /min (BSL36A18, when fully charged)
Air velocity	0 – 45 [53] m/s
Air volume	0 – 680 [800] m³/h
Continuous operating time	Approximately 9.5 minutes (BSL36A18, when fully charged)
Battery available for this tool*	BSL36A18
Weight	3.5 kg (With BSL36A18 attached)

[] indicates when in turbo mode

* Existing batteries (BSL3660/3620/3626, BSL18xx series, etc.) cannot be used with this tool.

2. Battery

Model	BSL36A18
Voltage	36 V / 18 V (Automatic Switching*)
Battery capacity	2.5 Ah / 5.0 Ah (Automatic Switching*)
Available cordless products**	Multi volt series, 18V product
Available charger	Sliding charger for lithium ion batteries

* The tool itself will automatically switch over.

** Please see our general catalogue for details.

3. Charger

Model	UC18YSL3
Charging voltage	14.4 V – 18 V
Weight	0.6 kg

CHARGING

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

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 (At 1- second intervals).

2. Insert the battery into the charger.

Firmly insert the battery into the charger as shown in **Fig. 3** (on page 2).

3. Charging









When inserting a battery in the charger, 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				
Charge indicator lamp (RED / BLUE / GREEN / PURPLE)	Before charging	Blinks (RED)	Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds) 	Plugged into power source
	While charging	Blinks (BLUE)	Lights for 0.5 seconds. Does not light for 1 second. (off for 1 second) 	Battery capacity at less than 50%
		Blinks (BLUE)	Lights for 1 second. Does not light for 0.5 seconds. (off for 0.5 seconds) 	Battery capacity at less than 80%
		Lights (BLUE)	Lights continuously 	Battery capacity at more than 80%
	Charging complete	Lights (GREEN)	Lights continuously  (Continuous buzzer sound: about 6 seconds)	
	Overheat standby	Blinks (RED)	Lights for 0.3 seconds. Does not light for 0.3 seconds. (off for 0.3 seconds) 	
	Charging impossible	Flickers (PURPLE)	Lights for 0.1 seconds. Does not light for 0.1 seconds. (off for 0.1 seconds)  (Intermittent buzzer sound: about 2 seconds)	Malfuction in the battery or the charger

- (2) Regarding the temperatures and charging time of the rechargeable battery
The temperatures and charging time will become as shown in **Table 2**.

Table 2

Charger			UC18YSL3						
Battery	Type of battery		Li-ion						
	Temperatures at which the battery can be recharged		-10°C – 50°C						
	Charging voltage	V	14.4			18			
	Charging time, approx. (At 20°C)		BSL14xx series		BSL18xx series			Multi volt series	
			(4 cells)	(8 cells)	(5 cells)		(10 cells)	(10 cells)	
			BSL1415S : 15 BSL1415 : 15 BSL1415X : 15 BSL1420 : 20 BSL1425 : 25 BSL1430C : 30	BSL1430 : 20 BSL1440 : 26 BSL1450 : 32 BSL1460 : 38	BSL1815S : 15 BSL1815 : 15 BSL1815X : 15 BSL1820 : 20 BSL1825 : 25 BSL1830C : 30	BSL1830 : 20 BSL1840 : 26 BSL1850 : 32 BSL1860 : 38	BSL36A18 : 32		
min.									
USB	Charging voltage	V	5						
	Charging current	A	2						

NOTE

The recharging time may vary according to the ambient temperature and power source voltage.

4. 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.

CAUTION

- If the battery is charged while it is heated because it has been left for a long time in a location subject to direct sunlight or because the battery has just been used, the charge indicator lamp of the charger lights for 0.3 seconds, does not light for 0.3 seconds (off for 0.3 seconds). In such a case, first let the battery cool, then start charging.
- When the charge indicator lamp flickers (at 0.2-second intervals), check for and take out any foreign objects in the charger's battery connector. If there are no foreign objects, it is probable that the battery or charger is malfunctioning. Take it to your authorized Service Center.
- Since the built-in micro computer takes about 3 seconds to confirm that the battery being charged with UC18YSL3 is taken out, wait for a minimum of 3 seconds before reinserting it to continue charging. If the battery is reinserted within 3 seconds, the battery may not be properly charged.

PRIOR TO OPERATION

- **Setting up and checking the work environment**
Check if the work environment is suitable by following the precautions.

USING THE CONTROLS (FUNCTIONS)

- **The mode switch functions (Fig. 4)**

NOTE



The turbo mode turns off automatically and returns to the previous mode after 10 seconds in order to protect the electronic circuitry. Press the turbo mode switch again to switch back to the turbo mode.

- **Work Capacity on a Full Charge**

The following is a rough estimate of the amount of work provided by the blower when on a full charge. (The amount of work varies somewhat due to ambient temperature and characteristics of the battery)

Time in continuous operation when switch fully depressed in each mode

Mode \ Battery	BSL36A18
Mode 1	29.5 min.
Mode 2	19.5 min.
Mode 3	13 min.
Mode 4	9.5 min.

MOUNTING AND OPERATION

Action	Figure	Page
Inserting the battery cover	2	2
Charging	3	2
The mode switch functions	4	2
Mounting the extension nozzle	5	3
Removing and inserting the battery	6	3
Turning the blower on	7	3

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Charging a USB device from a electrical outlet	9-a	4
Charging a USB device and battery from a electrical outlet	9-b	4
How to recharge USB device	10	4
When charging of USB device is completed	11	4
Selecting accessories	—	16

ABOUT USB DEVICE

- Charging a USB device from an electrical outlet. (Fig. 9-a)
- Charging a USB device and battery from an electrical outlet. (Fig. 9-b)
- How to recharge USB device. (Fig. 10)
- When charging of USB device is completed. (Fig. 11)

MAINTENANCE AND INSPECTION

1. Inspecting the nose grill

Before and after use, check and make sure the nose grill, which covers the air intake, is not damaged. If it is damaged, contact your sales outlet or the Hitachi Authorized Service Center to have it repaired.

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 on the outside

When the coldless blower is stained, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chloric solvents, gasoline or paint thinner, for they melt plastics.

If the nose grill is blocked with debris, the blower will work less efficiently.

Clean it gently when necessary with a soft brush.

6. Storage

Store the coldless blower 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 Hitachi 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 HITACHI's continuing program of research and development, the specifications herein are subject to change without prior notice.

TROUBLESHOOTING


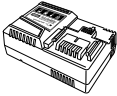
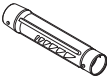

Use the inspections in the table below if the tool does not operate normally. If this does not remedy the problem, consult your dealer or the Hitachi Authorized Service Center.

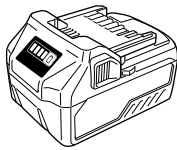
1. Power tool

Symptom	Possible cause	Remedy
Tool doesn't run	No remaining battery power	Charge the battery.
	Battery isn't fully installed.	Push the battery in until you hear a click.
Tool suddenly stopped	Tool was overburdened	Get rid of the problem causing the overburden.
	The battery is overheated.	Let the battery cool down.
	Foreign matter is blocking the intake vent.	Remove any foreign matter.
Low blowing power	Foreign matter is lodged in the blast port or in the suction port.	Remove any foreign matter.
	Battery power is low. The battery is completely depleted.	Charge the battery.
Battery cannot be installed	Attempting to install a battery other than that specified for the tool.	Please install a multi volt type battery.

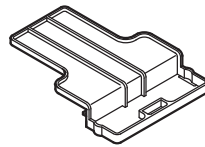
2. Charger

Symptom	Possible cause	Remedy
The charge indicator lamp is rapidly blinking purple, and battery charging doesn't begin.	The battery is not inserted all the way.	Insert the battery firmly.
	There is foreign matter in the battery terminal or where the battery is attached.	Remove the foreign matter.
The charge indicator lamp blinks red, and battery charging doesn't begin.	The battery is not inserted all the way.	Insert the battery firmly.
	The battery is overheated.	If left alone, the battery will automatically begin charging if its temperature decreases, but this may reduce battery life. It is recommended that the battery be cooled in a well-ventilated location away from direct sunlight before charging it.
Battery usage time is short even though the battery is fully charged.	The battery's life is depleted.	Replace the battery with a new one.
The battery takes a long time to charge.	The temperature of the battery, the charger, or the surrounding environment is extremely low.	Charge the battery indoors or in another warmer environment.
	The charger's vents are blocked, causing its internal components to overheat.	Avoid blocking the vents.
	The cooling fan is not running.	Contact a Hitachi Authorized Service Center for repairs.
The USB power lamp has switched off and the USB device has stopped charging.	The battery's capacity has become low.	Replace the battery with one that has capacity remaining.
		Plug the charger's power plug into an electric socket.
USB power lamp does not switch off even though the USB device has finished charging.	The USB power lamp lights up green to indicate that USB charging is possible.	This is not a malfunction.
It is unclear what the charging status of a USB device is, or whether its charging is complete.	The USB power lamp does not switch off even when charging is complete.	Examine the USB device that is charging to confirm its charging status.
Charging of a USB device pauses midway.	The charger was plugged into an electrical socket while the USB device was being charged using the battery as the power source.	This is not a malfunction. The charger pauses USB charging for about 5 seconds when it is differentiating between power sources.
	A battery was inserted into the charger while the USB device was being charged using a power socket as the power source.	
Charging of the USB device pauses midway when the battery and the USB device are being charged at the same time.	The battery has become fully charged.	This is not a malfunction. The charger pauses USB charging for about 5 seconds while it checks whether the battery has successfully completed charging.
Charging of the USB device doesn't start when the battery and the USB device are being charged at the same time.	The remaining battery capacity is extremely low.	This is not a malfunction. When the battery capacity reaches a certain level, USB charging automatically begins.

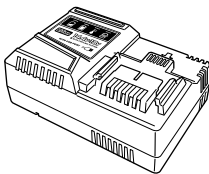
				
RB36DA	1	1	1	1
RB36DA (NN)	–	–	1	–



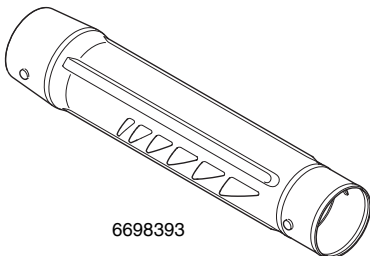
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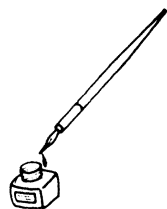
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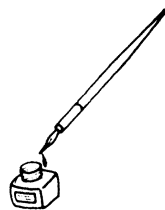


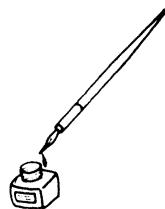
UC18YSL3
(14.4V – 18V)



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