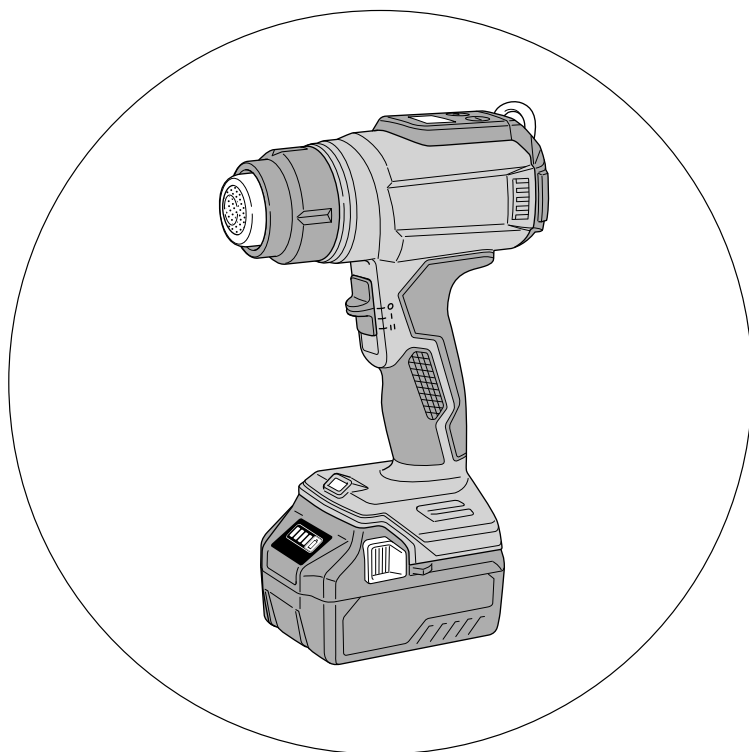
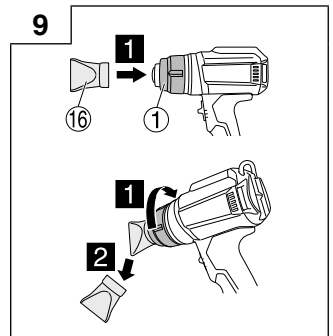
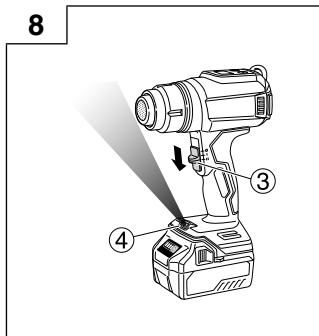
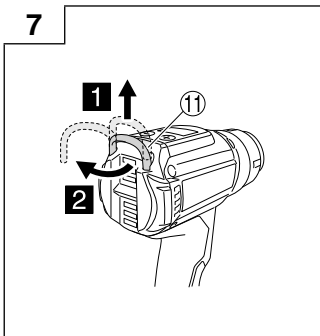
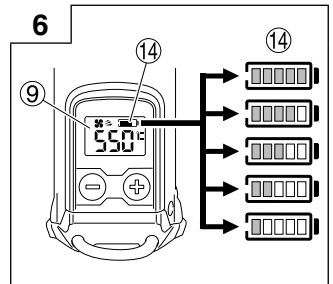
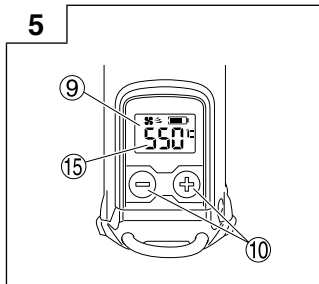
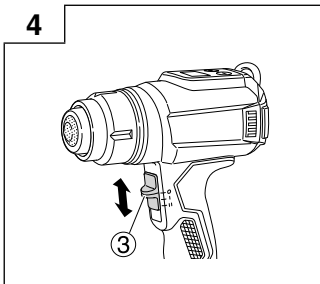
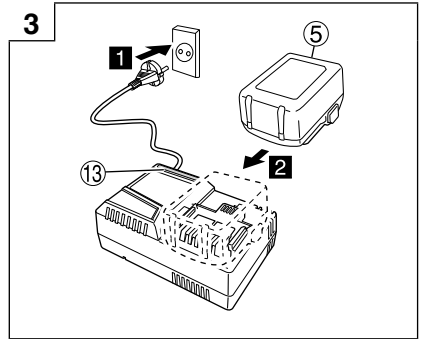
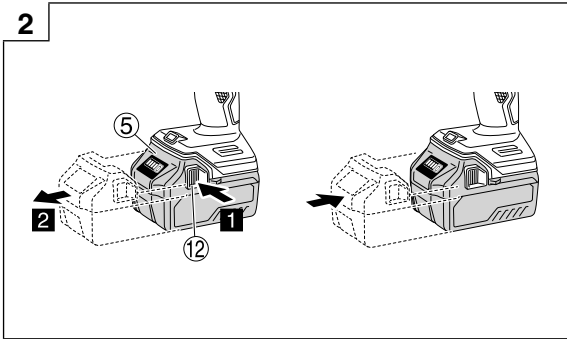
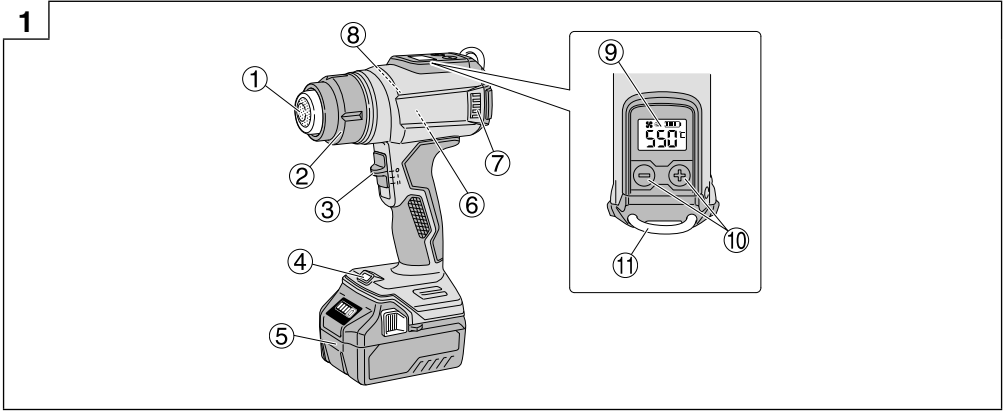
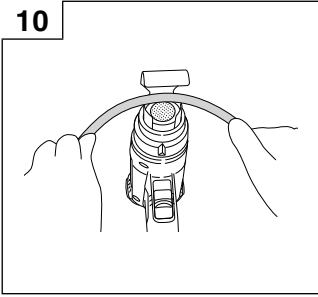


RH18DA

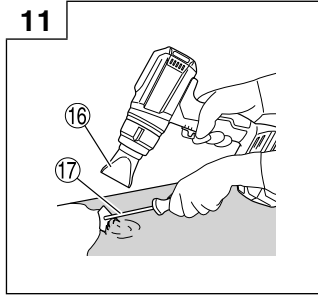




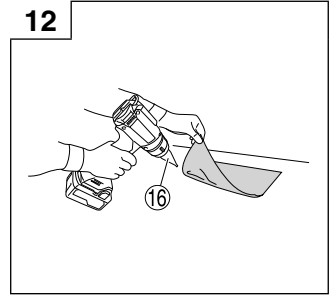
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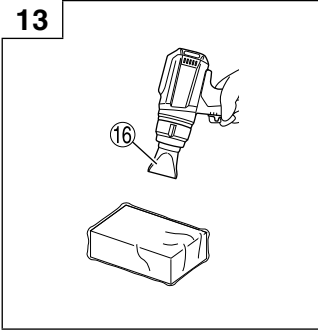
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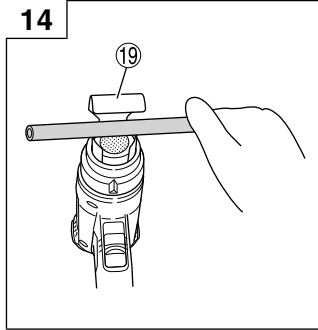
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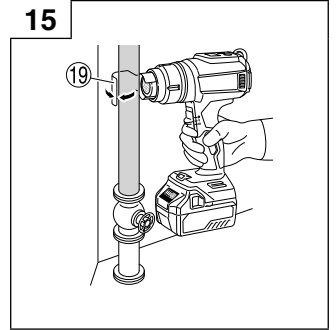
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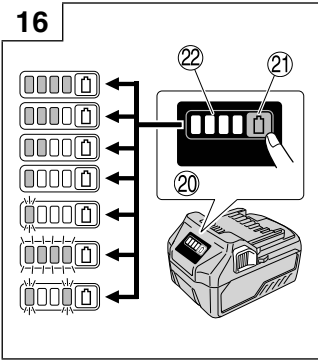
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GENERAL POWER TOOL SAFETY WARNINGS

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.

- 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.

CORDLESS HEAT GUN SAFETY WARNINGS

WARNING

1. This tool 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 tool by a person responsible for their safety.
2. Children should be supervised to ensure that they do not play with the tool.
3. A fire may arise if the tool is not used with care, therefore:
Be careful when using the tool in places where there are combustible materials. Do not apply to the same place for a long time.
Do not use in presence of an explosive atmosphere.
Be aware that heat may be conducted to combustible materials which are out of sight.
Do not leave the tool unattended when in use.
4. Do not use the tool with wet hands. Failure to observe this may result in electric shocks.
5. Keep your hands and face away from the nozzle.
6. Always check the work area prior to use, and do not use the tool if safety cannot be guaranteed.
Failure to observe this may result in inflammable articles concealed in or behind invisible areas (cases, ceilings, floors, hollow areas) being ignited.

- 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.

English

7. When working in elevated locations, make sure there are no people or flammable materials underneath. Failure to observe this may result in accidents.
8. Do not point the hot air directly at people or animals. Do not look into the nozzle. Do not use it as a hair dryer under any circumstances. Failure to observe this may result in accidents or injury.
9. There are cases in which highly toxic gas will be emitted if used on plastic, lacquer or similar materials. Always ensure that the work area is fully ventilated, and wear a dust-protection mask.
10. Apply heat gently while moving the Heat Gun up, down, left and right. Aiming it constantly at a single location may result in the outbreak of smoke or fire.
11. Check the tool for damage, cracks or malformation in the event of it being accidently dropped or subject to impact. Damage, cracks and malformation may result in injury.
12. Cease operations immediately in the event of the tool not operating properly or if abnormal noises or vibrations are noticed, and contact a HiKOKI Authorized Service Center to request inspections and repairs. Continued use may result in injury.
13. Do not get away from the unit while it is switched on. Always return the switch to the OFF (O) position when you are finished working. Failure to observe this may result in accidents.
14. When removing the battery, please put the switch in OFF (O) position.

CAUTION

1. Parts of the nozzle supplied are sharp, so use gloves when removing them from the case and when attaching or detaching them.
2. The nozzle, the tip of the nozzle and the material that was heated are extremely hot during and immediately after using the tool, so use gloves and avoid touching them directly.
3. Do not use inside boxes, drawers or other enclosed spaces. Aiming it constantly at a single location may result in the outbreak of smoke or fire.
4. Make sure the nozzle is at least 5 cm away from the item being heated when using the tool. Also, do not cover or otherwise block the nozzle. Failure to observe this may result in the Heat Gun overheating, leading to malfunctions.
5. Do not switch the tool on and off repeatedly. Failure to observe this may result in malfunctions.
6. Do not point the nozzle downwards immediately after use. Failure to observe this may result in the tool overheating, leading to malfunctions.
7. Do not give a strong shock to the panel or break it. It may lead to a trouble.
8. When storing, make sure the tool is completely cooled. Failure to observe this may cause burns or storage case deformation.

9. Do not look directly into the light. Such actions could result in eye injury.
Wipe off any dirt or grime attached to the lens of the LED light with a soft cloth, being careful not to scratch the lens.
Scratches on the lens of the LED light can result in decreased brightness.

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.

- When the battery power remaining runs out, the motor stops.
In such a case, charge it up immediately.
- 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.
- 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.

- Always charge the battery at a temperature of 0°C–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 higher than 40°C.
The most suitable temperature for charging is that of 20°C–25°C.
- Do not use the charger continuously.
When one charging is completed, leave the charger for about 15 minutes before the next charging of battery.
- Do not allow foreign matter to enter the hole for connecting the rechargeable battery.
- Never disassemble the rechargeable battery and charger.
- Never short-circuit the rechargeable battery. Shortcircuiting the battery will cause a great electric current and overheat. It results in burn or damage to the battery.
- Do not dispose of the battery in fire. If the battery is burnt, it may explode.
- 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.
- Do not insert object into the air ventilation slots of the charger. Inserting metal objects or inflammables into the charger air ventilation slots will result in electrical shock hazard or damaged charger.
- When using this unit continuously, the unit may overheat, leading to damage in the motor and switch. Therefore, whenever the housing becomes hot, give the tool a break for a while.
- Make sure that the battery is installed firmly. If it is at all loose it could come off and cause an accident.
- 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.
- 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.
- Always use the tool and battery at temperatures between -5°C and 40°C.

- 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.).
- 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.
- Do not use an apparently damaged or deformed battery.
- Do not use the battery for a purpose other than those specified.
- If the battery charging fails to complete even when a specified recharging time has elapsed, immediately stop further recharging.
- Do not put or subject the battery to high temperatures or high pressure such as into a microwave oven, dryer, or high pressure container.
- Keep away from fire immediately when leakage or foul odor are detected.
- Do not use in a location where strong static electricity generates.
- 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.
- 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

- 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.
- 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.

English

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 a conductive foreign matter enters in the terminal of lithium ion battery, the battery may be shorted, causing fire. When storing the lithium ion battery, obey surely the rules of following contents.

- Do not place conductive debris, nail and wires such as iron wire and copper wire in the storage case.
- To prevent shorting from occurring, load the battery in the tool or insert securely the battery cover for storing until the ventilator is not seen.

SYMBOLS

WARNING

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

	RH18DA: Cordless Heat Gun
	To reduce the risk of injury, user must read instruction manual.
	Direct current
	Rated voltage
	Disconnect the battery
	Switching ON
	Switching OFF
	Warning

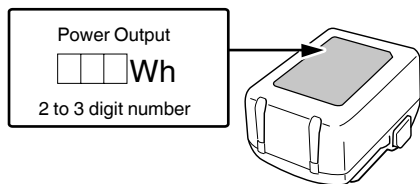
REGARDING LITHIUM-ION BATTERY TRANSPORTATION

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 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.



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.

NAMES OF PARTS (Fig. 1 - Fig. 16)

①	Nozzle	⑫	Latch
②	Front cover	⑬	Charge indicator lamp
③	Switch	⑭	Remaining battery indicator lamp (On main body)
④	LED light	⑮	Temperature display
⑤	Battery (sold separately)	⑯	Nozzle (Plane)
⑥	Motor	⑰	Scraper
⑦	Intake port	⑱	Nozzle (Round)
⑧	Name plate	⑲	Nozzle (Curved surface)
⑨	Display	⑳	Display panel
⑩	Temperature control button	㉑	Remaining battery indicator switch
⑪	Hook	㉒	Remaining battery indicator lamp

STANDARD ACCESSORIES

In addition to the main unit (1 unit), the package contains the accessories listed on page 24.

Standard accessories are subject to change without notice.

APPLICATIONS

- Peeling off paint
- Softening adhesive
- Removing putty from window frames
- Forming resin pipes
- Welding plastic
- Heat wrapping using heat-shrink film.
- Soldering work
- Drying work
- Defrosting work

SPECIFICATIONS

1. Power tool

Model		RH18DA	
Voltage		18 V	
Temperature/ air volume	set I	30 - 400°C / 200 L /min	
	set II	30 - 550°C / 300 L /min	
Battery available for this tool*		Multi volt battery, BSL18 Series	
Weight		1.3 kg (BSL36A18) 1.6 kg (BSL36B18)	

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

When using 14.4 V (BSL14xx series), the air volume/temperature and remaining battery indicator do not perform the specified functions.

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	BSL36A18		
Voltage	36 V / 18 V (Automatic Switching*)		
Battery capacity	2.5 Ah / 5.0 Ah (Automatic Switching*)		
Available cordless products**	Multi volt series, 18 V 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 (sold separately)

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)	Battery overheated. Unable to charge. (Charging will commence when battery cools)
	Charging impossible	Flickers (PURPLE)	Lights for 0.1 seconds. Does not light for 0.1 seconds. (Intermittent buzzer sound: about 2 seconds)	Malfunction 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	0°C–50°C					
	Charging voltage	V	14.4		18		
	Charging time, approx. (At 20°C)	min	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 BSL1820M : 20 BSL1825 : 25 BSL1830C : 30 BSL1850C : 32	BSL1830 : 20 BSL1840 : 26 BSL1850 : 32 BSL1860 : 38	BSL36A18 : 32 BSL36B18 : 52	

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.

***1 Temperature Settings**

WARNING

- Do not use the tool in the vicinity of volatile substances (thinner, gasoline, etc.)
- Do not bring the nozzle in close contact with your hands or face during use.
The nozzle is extremely hot immediately after use, so do not touch it.

NOTE

- There may be a difference between the displayed temperature and the actual temperature.
- Press and hold the + and - temperature control buttons at the same time to switch between Fahrenheit (°F) and Celsius (°C).

Set the temperature in consideration of the article to be heated.

Also, pay attention to the surrounding material that will be heated at the same time.

First of all, apply the hot air from a distance while checking that there are no changes in the article being heated, and then move it closer until it reaches an appropriate distance.

Heating inflammable substances

(paper, wood, plastic, etc.)

Set the switch to the [set I] position and apply the heat with the nozzle at least 10 cm away from the article being heated.

Gently move the tip of the nozzle up, down, left and right to apply the heat.

Applying heat constantly to one location may result in malformation or the outbreak of smoke.

Heating non-flammable substances

(metal, stone, concrete, etc.)
















Set the switch to the [set I] position, and if there are no problems, move it to the [set II] position.

Apply the heat with the nozzle at least 5 cm away from the article being heated.

Holding the nozzle too close may result in the tool overheating, leading to malfunctions.

***2 Remaining battery indicator (On main body)**

Use as a guide only.

State of lamp	Battery Remaining Power
    	Over 70%
   	55%–70%
  	35%–55%
 	20%–35%
	Less than 20%

NOTE

When using a battery with a remaining battery indicator, please refer to the indicator lamp on the battery for the battery remaining power.

***3 How to use the hook**

CAUTION

Do not hang the tool from your wrist or waist when moving around with the nozzle still hot.

***4 Attaching/removing the nozzle**

CAUTION

The nozzle is extremely hot immediately after use, so do not touch it.

Insert the nozzle firmly into the front cover until it can go no further.

You can remove the nozzle without touching it by rotating the front cover counterclockwise.

MOUNTING AND OPERATION

Action	Figure	Page
Removing and inserting the battery	2	2
Charging	3	2
Switch operation	4	2
Temperature Settings*1	5	2
Remaining battery indicator (On main body)*2	6	2
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Work facing up*5	10	3
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English

NOTE

- Be careful not to remove the nozzle during work.
- When removing it, be careful not to damage the surroundings or the nozzle.

*5 Work facing up

CAUTION

When using the tool facing up, place it on a stable surface.

When working with both hands, such as when bending a pipe, you can lay down the heat gun and use it with the nozzle side facing up.

WORK EXAMPLE

CAUTION

Parts of the nozzles supplied are sharp, so use gloves when removing them from the case and when attaching or detaching them.

Select the nozzle in consideration of the shape of the article being heated and the area being heated.

NOTE

Do not block the intake or nozzle during use.

1. Peeling off paint (Fig. 11)

Use nozzle (plane) or nozzle (round) to soften the paint with the hot air, and then remove it with the scraper.

Note that heating the paint too much may result in it scorching and becoming harder, making it difficult to scrape off.

2. Softening adhesive (Fig. 12)

Use nozzle (plane) or nozzle (round) to soften the surface and make it easy to peel, and then pull up one of the edges, blow heat underneath it and gently peel it off so that none of the adhesive remains.

3. Heat wrapping (Fig. 13)

Use nozzle (plane) to heat-wrap shrink film and tubes. The material will change color or crack if hot air is blown onto it from a close distance, so maintain an appropriate distance while monitoring progress.

4. Forming resin pipes (Fig. 14)

Use nozzle (curved surface) to evenly heat the circumference of the resin pipe.

To prevent the inside of the pipe from narrowing when bending it, etc., pour sand inside, block both ends and then gently bend it.

5. Defrosting water pipes (Fig. 15)

Use nozzle (curved surface) to heat the frozen area from the edge to the center. Do not mistake gas pipes for water pipes and heat them.

Take care to avoid damaging frozen resin areas on water pipes.

WARNING SIGNALS

This product features functions that are designed to protect the tool itself as well as the battery. If any of the safeguard functions are triggered during work, the LED light and the temperature display will blink for a few seconds as described in **Table 3**. When any of the safeguard functions are triggered, immediately switch off and follow the instructions described under corrective action.

Table 3

Safeguard Function	LED light Display	Display	Corrective Action
Overload Protection	On 0.5 sec. / off 0.5 sec.		Remove the cause of the overload.
Temperature Protection			Allow the tool and battery to thoroughly cool.

MAINTENANCE AND INSPECTION

WARNING

- Be sure to turned off the switch and remove the battery before maintenance and inspection.
- Inspect and clean the nozzle while it is cool.

1. 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.

2. 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.

3. 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.

4. Cleaning on the outside

When the power tool 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.

5. Storage

Store the power tool and the 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.

SELECTING ACCESSORIES

The accessories of this machine are listed on page 25. For details regarding each bit type, please contact the HiKOKI Authorized Service Center.

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.

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 HiKOKI Authorized Service Center.

1. Power tool

Symptom	Possible cause	Remedy
Tool doesn't run	No remaining battery power	Charge the battery.
	The switch was at a position between I and OFF (O) for a certain amount of time.	Set the switch to the OFF (O) position once before moving it.
White smoke comes out	On first use, the oils in the heat insulating material may vaporize due to heating and produce a small amount of white smoke.	The smoke will stop after a few minutes of continuous use.
Tool suddenly stopped	The battery is overheated.	Let the battery cool down.
The battery remaining power on the machine does not match the battery with the remaining battery indicator.	—	Refer to the indicator lamp on the battery.
Battery cannot be installed	Attempting to install a battery other than that specified for the tool.	Please install batteries that are multi volt or BSL18xx series.

2. Charger

Symptom	Possible cause	Remedy
The charge indicator lamp rapidly flickers 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 HiKOKI Authorized Service Center for repairs.

一般安全規則

⚠ 警告

閱讀本電動工具提供的所有安全警告、指示、說明和規範。

未遵守下列之說明可能導致觸電、火災及 / 或嚴重傷害。

請妥善保存所有警告與說明，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，譬如有易燃液體、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，保持兒童及過往人員遠離。
分神會讓你失去控制。

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) 避免身體接觸到接地面諸如管子、散熱器、爐灶及冰箱。
如果你的身體接地或搭地，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。絕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要使用一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，請使用以殘餘電流裝置 (RCD) 保護的電源。
使用 RCD 可降低觸電危險。

3) 人員安全

- a) 保持機警，注意你正在做什麼，並運用普通常識操作電動工具。
當你感到疲勞或受藥品、酒精或醫療影響時，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) 防止意外啟動。在連接電源及 / 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) 在將電動工具啟動前，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。
保持您的頭髮、衣服遠離轉動部位。
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你所需。
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及關的位置，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) 在進行任何調整、更換配件或收存電動工具之前，請斷開插頭與電源的連接，且 / 或將電池從電動工具中取出（如果電池為可拆卸式）。
此種預防安全措施可減少意外開啟電動機之危險。
- d) 收存停用之電動工具，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書的人操作電動工具。
在未受過訓練的人手裡，電動工具極為危險。
- e) 保養電動工具和配件。檢核是否有可動零件錯誤的結合或卡住、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，保持銳利之切割鋒口，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) 當電池組不在使用時，需保存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) 讓你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商進行。

注意事項

不可讓孩童和體弱人士靠近工作場所。
應將不使用的工具存放在孩童和體弱人士伸手不及的地方。

熱風槍安全警告

警告

1. 體弱、感官能力欠佳或精神耗弱者(包括兒童)，或缺乏經驗和知識者不適宜使用此工具，除非他們是在負責他們安全的人員監督下或有關使用該工具的指示下使用。
2. 應監督兒童勿使其玩耍本工具。
3. 如果不謹慎使用本工具，可能會發生火災，因此：
在有可燃材料的地方使用本工具時要小心。
不要長時間使用於同一個地方。
不要在有爆炸性氣體存在之處使用。
請注意，熱度可能會被傳導至看不到的可燃材料。
使用時不要讓工具處於無人看守的狀態。
4. 請勿以濕手使用本工具。
否則可能會導致觸電。
5. 保持您的手或臉遠離噴嘴。
6. 使用前務必檢查工作區域，如果不能保證安全，請勿使用本工具。
否則可能會導致隱藏在看不到的區域（容器、天花板、地板、中空區域）或其背後的易燃物品被點燃。
7. 在高處作業時，確保下方無人或易燃材料。
否則可能會導致事故。

8. 不要將熱風直接對著人或動物吹。請勿朝噴嘴內直視。在任何情況下，均不可當作頭髮的吹風機使用。
否則可能會導致事故或受傷。
 9. 若使用於塑膠、漆器或類似材質上，有可能散發劇毒氣體。始終確保工作區域充分通風，並佩戴防塵面罩。
 10. 將熱風槍往上下左右移動並慢慢加熱。
持續集中在單一位置加熱可能會導致冒煙或火災。
 11. 工具意外掉落或受到撞擊時，請檢查有無損壞、裂縫或變形。
損壞、裂縫和變形可能會導致受傷。
 12. 如果工具無法正常運作或發現異常噪音或振動，請立即停止操作，並聯絡HiKOKI授權服務中心，要求檢查和維修。
繼續使用可能會導致受傷。
 13. 電源開關開啟後，請勿離開本工具。完成作業後，請務必將開關返回OFF (○) 位置。否則可能會導致事故。
 14. 拆卸電池時，請將開關切換到OFF (○) 位置。
4. 使用本工具時，確保噴嘴與被加熱的物品保持 5 cm 以上的距離。此外，不要遮蓋或阻塞噴嘴。
否則可能會造成熱風槍過熱，從而導致故障。
 5. 不要反覆切換工具的電源開關。否則可能會導致故障。
 6. 使用後不要將噴嘴立即朝下。否則可能會造成工具過熱，從而導致故障。
 7. 請勿對面板施加強烈的衝擊或將其折斷。這可能會引發問題。
 8. 存放時，確保本工具已完全冷卻。否則可能會導致存放用的箱子燒焦或變形。
 9. 請勿直視燈泡。若直視，可能會導致眼睛受傷。
用軟布擦去附著在 LED 鏡頭上的灰塵或污垢，注意不要刮傷鏡頭。
LED 鏡頭上的刮痕可能會導致亮度下降。

附加安全警告

1. 給電池充電時溫度必須為 0°C – 40°C。溫度低於 0°C 會導致過度充電，這是很危險的。不能在溫度高於 40°C 時給電池充電。
最合適的充電溫度是 20°C – 25°C。
2. 請勿連續使用充電器。
完成一次充電後，將充電器放置約 15 分鐘後才能再次給電池充電。
3. 勿讓雜質進入充電電池連接口內。
4. 切勿拆卸充電電池與充電器。
5. 切勿使充電電池短路。
電池短路將會造成很大的電流和過熱，從而燒壞電池。
6. 請勿將電池丟入火中。電池受熱會爆炸。
7. 充電後電池壽命若太短不夠使用，請儘快將電池送往經銷店。不可將用過的電池丟棄。
8. 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通風口，將引起觸電事故或使充電器受損。

注意

1. 附屬噴嘴有部分零件較尖銳，從箱子取出或安裝、拆卸噴嘴時請使用手套。
2. 工具使用中及剛使用過後，噴嘴、噴嘴前端以及被加熱的物品會非常炙熱，請使用手套，並避免直接碰觸。
3. 不要在箱盒，抽屜或其他密閉空間內使用。
固定集中單一位置烘烤，可能會導致冒煙或起火爆發。

9. 連續使用本機時，鋸鑽可能出現過熱而導致馬達和開關損壞。因此，每當機殼變熱時，讓工具休息一會兒。
10. 確保電池安裝牢固。如果有鬆動，可能會脫落而造成事故。
11. 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。
12. 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。
13. 務必在 -5°C 至 40°C 的溫度下使用本工具和電池。

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。

1. 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。
2. 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。
3. 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。

1. 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。
2. 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。
3. 切勿使用明顯損壞或變形的電池。
4. 請依規定方式使用電池，切勿移作他用。
5. 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。

6. 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。
7. 發現有滲漏或異味時，請立即將電池遠離火源處。
8. 請勿在會產生強烈靜電的地方使用。
9. 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。
10. 請勿將電池浸入任何液體，或讓任何液體流入電池內。若水等具有傳導性的液體滲入，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。

注意

1. 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。
2. 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。
3. 若初次使用電池時發現生鏽、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。

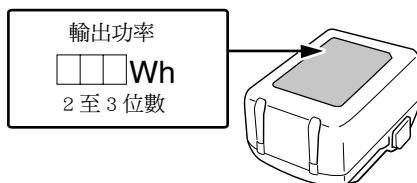
關於鋰離子電池的運輸

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。



各部位名稱 (圖1 - 圖16)

① 噴嘴	⑫ 卡榫
② 前罩	⑬ 充電信號燈
③ 開關	⑭ 電池剩餘量指示燈 (在主體上)
④ LED 燈	⑮ 溫度顯示
⑤ 電池 (另售)	⑯ 噴嘴 (平面)
⑥ 馬達	⑰ 刮刀
⑦ 進氣口	⑱ 噴嘴 (圓型)
⑧ 銘牌	⑲ 噴嘴 (曲面)
⑨ 顯示螢幕	⑳ 顯示面板
⑩ 溫度控制按鈕	㉑ 電池剩餘量指示燈 開關
⑪ 掛鉤	㉒ 電池剩餘量指示燈

	亮起： 電池剩餘電量少於 25%。
	閃爍： 電池剩餘電量幾近零。請盡快進行充電。
	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。

標準附件

除了主機身 (1 台) 以外，包裝盒內包含第 24 頁所列之附件。

標準附件可能不預先通告而徑予更改。

用途

- 去除油漆
- 軟化粘著劑
- 從窗框移除油灰
- 彎曲樹脂管
- 焊接塑膠
- 使用熱縮膜進行熱封
- 焊接作業
- 烘乾作業
- 除霜作業

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。

	RH18DA：熱風槍
	使用前請詳讀使用說明書。
	直流電流
	V 額定電壓
	取出電池
	開關 ON
	開關 OFF
	警告

電池

	亮起： 電池剩餘電量超過 75%。
	亮起： 電池剩餘電量為 50% - 75%。
	亮起： 電池剩餘電量為 25% - 50%。

規格

1. 電動工具

機型	RH18DA	
電壓	18 V	
溫度 / 風量	I 檔	30 - 400°C / 200 L / min
	II 檔	30 - 550°C / 300 L / min
可用於本工具的電池	多伏特電池, BSL18 系列	
重量	1.3 kg (BSL36A18)	
	1.6 kg (BSL36B18)	

* 本工具不能使用現有的電池 (BSL3660/3620/3626 等)。
使用 14.4 V (BSL14xx 系列) 時, 風量 / 風溫及電池剩餘電量指示器不執行指定的功能。

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	BSL36A18
電壓	36 V / 18 V (自動切換*)
電池容量	2.5 Ah / 5.0 Ah (自動切換*)
可用的充電式產品**	多伏特系列, 18 V 產品
可用的充電器	鋰離子電池用滑動式充電器

* 工具本身將自動切換。

** 詳情請參閱本公司的綜合目錄。

3. 充電器 (另售)

機型	UC18YSL3
充電電壓	14.4 V-18 V
重量	0.6 kg

充電




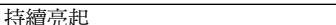
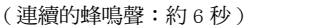


使用電動工具之前, 按下述方法將電池進行充電。

- 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, 充電信號燈會閃爍紅燈 (間隔為 1 秒)。
- 將電池裝入充電器。
將電池確實插入充電器如圖 3 (第 2 頁) 所示。
- 充電
當電池插入充電器時, 充電信號燈會閃爍藍燈。當電池完全充電時, 充電信號燈會亮起綠燈。(見表 1)

(1) 充電信號燈指示

依據充電器或充電電池的狀態, 充電信號燈會有不同的指示, 如表 1 所示。

表 1

充電信號燈的指示				
充電信號燈 (紅 / 藍 / 綠 / 紫)	充電前	閃爍 (紅)	亮起 0.5 秒, 熄滅 0.5 秒。(熄滅間 0.5 秒) 	插入電源
	充電時	閃爍 (藍)	亮起 0.5 秒, 熄滅 1 秒。(熄滅間 1 秒) 	電池容量少於 50%
		閃爍 (藍)	亮起 1 秒, 熄滅 0.5 秒。(熄滅間 0.5 秒) 	電池容量少於 80%
		亮起 (藍)	持續亮起 	電池容量超過 80%
	充電完成	亮起 (綠)	持續亮起 (連續的蜂鳴聲: 約 6 秒) 	
	過熱待機	閃爍 (紅)	亮起 0.3 秒, 熄滅 0.3 秒。(熄滅間 0.3 秒) 	電池過熱。 無法充電。 (待電池降溫後便會開始充電)
	無法充電	快速閃爍 (紫)	亮起 0.1 秒, 熄滅 0.1 秒。(熄滅間 0.1 秒)  (間歇的蜂鳴聲: 約 2 秒)	電池或充電器故障

- (2) 關於充電電池的溫度和充電時間
溫度和充電時間如表 2 中所示。

表 2

充電器		UC18YSL3						
電池	電池類型	Li-ion						
	電池可充電的溫度	0°C – 50°C						
	充電電壓	V	14.4			18		
	充電時間， 約（於 20°C）	分鐘	BSL14xx 系列		BSL18xx 系列		多伏特系列	
			(4 個電池芯)	(8 個電池芯)	(5 個電池芯)	(10 個電池芯)	(10 個電池芯)	
			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 BSL1820M: 20 BSL1825 : 25 BSL1830C: 30 BSL1850C: 32	BSL1830 : 20 BSL1840 : 26 BSL1850 : 32 BSL1860 : 38	BSL36A18 : 32 BSL36B18 : 52	

註：
根據環境溫度和電源電壓，充電時間可能會有所不同。

4. 將充電器的電源線從插座拔下。
5. 拿穩充電器並取出電池。

註：
充電結束後，務必從充電器取出電池，然後妥善存放。

安裝和操作

動作	圖表	頁數
拆卸和安裝電池	2	2
充電	3	2
開關操作	4	2
溫度設定*1	5	2
電池剩餘電量指示器（在主體上）*2	6	2
掛鉤的使用方法*3	7	2
使用 LED 燈	8	2
安裝/拆卸噴嘴*4	9	2
面朝上的作業*5	10	3
電池剩餘電量指示器	16	3
選擇附件	—	25

*1 溫度設定

警告

- 不要在揮發性物質附近使用本工具（如稀釋劑、汽油等）
- 使用過程中注意不要讓手或臉靠近噴嘴。噴嘴剛使用過後非常炙熱，請勿觸碰。

註：

- 顯示的溫度與實際溫度可能會有所不同。
- 同時按住 + 和 - 溫度控制按鈕，可在華氏溫度 (°F) 與攝氏溫度 (°C) 之間切換。

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。

注意

- 電池因長時間放置在直射陽光處遭到日曬或剛使用後會發熱，若在此時進行充電，充電器的信號燈會亮起 0.3 秒，非亮起 0.3 秒（熄滅 0.3 秒）。此時您必須先待電池冷卻，再進行充電。
- 充電信號燈快速閃爍時（間隔時間為 0.2 秒），請檢查充電器的電池連接處是否有異物並加以清除。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。

設定溫度時應考量適合被加熱物品的溫度。
亦請注意周圍材質也會同時被加熱。

首先，從較遠的距離吹出熱風，同時檢查被加熱的物品有無變化，然後將熱風槍移近直至到達一個適合的距離。

加熱易燃物質
(紙張、木材、塑膠等)

將開關設在[I 檔]的位置，從距離被加熱物品 10 cm 以上的位置吹出熱風。

將噴嘴前端上下左右慢慢移動以進行加熱。

固定集中單一位置烘烤，可能會導致變形或冒煙。

加熱不易燃物質
(金屬、石材、混凝土等)

將開關設在[I 檔]的位置，若沒有問題，則移到[II 檔]的位置。

從距離被加熱物品 5 cm 以上的位置吹出熱風。

噴嘴太靠近可能會導致工具過熱，從而造成故障。

***2 電池剩餘電量指示器 (在主體上)**

僅供參考。

指示燈狀態	電池剩餘電量
█ █ █ █ █	超過 70%
█ █ █ █ □	55% - 70%
█ █ █ □ □	35% - 55%
█ █ □ □ □	20% - 35%
█ □ □ □ □	未滿 20%

註：

使用帶電池剩餘電量指示器的電池時，請參考電池上的指示燈以了解電池剩餘電量。

***3 掛鉤的使用方法**

注意

噴嘴仍處於炙熱狀態時，不要將本工具吊掛在手腕或腰間到處走動。

***4 安裝/拆卸噴嘴**

注意

噴嘴剛使用過後非常炙熱，請勿觸碰。

將噴嘴牢牢地插入前罩，直到無法再推入為止。

拆卸時，只需逆時針旋轉前罩而不用接觸噴嘴即可拆下。

註：

○ 請注意不要在作業過程中拆卸噴嘴。

○ 拆卸噴嘴時，請注意不要損壞周圍區域或噴嘴。

***5 面朝上的作業**

注意

將本工具面朝上使用時，請將其放在穩定的表面上。

以雙手進行作業時，例如彎曲管材時，將熱風槍放好，使噴嘴面朝上的狀態進行使用。

作業案例

注意

附屬噴嘴有部分零件較尖銳，從箱子取出或安裝、拆卸噴嘴時請使用手套。

選擇噴嘴時應考量被加熱的物品的形狀及被加熱區域。

註：

使用過程中請勿堵塞進氣口或噴嘴。

1. 去除油漆 (圖 11)

使用噴嘴 (平面) 或噴嘴 (圓型) 以熱風軟化油漆，然後用刮刀將油漆去除。

請注意，油漆加熱過度可能會燒焦變硬而導致難以刮除。

2. 軟化粘著劑 (圖 12)

使用噴嘴 (平面) 或噴嘴 (圓型) 軟化粘著劑的表面，使其易於剝離，然後將粘著劑其中一個邊緣往上拉，從粘著劑下面吹熱風，輕輕地剝開，即可清除乾淨。

3. 熱封 (圖 13)

使用噴嘴 (平面) 以熱封收縮膜和收縮套管。從近距離朝收縮材料吹出熱空氣的話，會發生變色或裂開，作業時應保持適當的距離並一邊觀察進度。

4. 彎曲樹脂管 (圖 14)

使用噴嘴 (曲面) 以均勻加熱樹脂管的周邊。

為了防止管子彎曲時變窄等問題，可將沙子倒入裡面，封住兩端後再輕輕彎曲。

5. 水管之除霜 (圖 15)

使用噴嘴 (曲面) 從邊緣往中心加熱凍結的區域。

不要將氣管與水管混淆，也不要對其加熱。

小心避免損壞水管上凍結的樹脂區域。

警示信號

該產品配備有保護工具本身及電池的功能。若在作業期間有任何的保護功能被啟動，LED 燈及溫度顯示將閃爍幾秒鐘，如表 3 所述。當有任何的保護功能被啟動時，請立即關閉，並按照下述校正動作的指示。

表 3

保護功能	LED 燈顯示	顯示螢幕	校正動作
過載保護	亮起 0.5 秒 / 熄滅 0.5 秒	000	移除過載的原因。
溫度保護	■ ■ ■	30°C	使工具和電池徹底冷卻。

維護和檢查

警告

- 進行維修和檢查之前，務必要關閉開關，並取出電池。
- 於噴嘴冷卻時進行檢查與清潔。
- 1. **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。
- 2. **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。
- 3. **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。

4. 清理外部

電動工具髒汙時，請使用乾的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。

5. 收藏

電動工具和電池應收藏於溫度低於 40°C 且為小孩拿不到的地方。

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。

選擇配件

本機器的配件列在第 25 頁。

有關每種鑽頭類型的詳情，請聯繫 HiKOKI 授權服務中心。

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。

註：

為求改進，本手冊所載規格可能不預先通告而徑予更改。

疑難排解


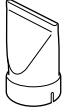

若電動工具無法正常運作，請參閱下表的檢查項目。若問題仍無法解決，請洽當地經銷商或 HiKOKI 所認可的維修中心。

1. 電動工具

情況	可能原因	解決方法
工具無法運轉	無剩餘電池電量	為電池充電。
	開關處於 I 與 OFF (○) 之間的位置有一段時間。	移動前，先將開關置於 OFF (○) 位置一次。
冒白煙	初次使用時，隔熱材料中的油脂可能會因受熱蒸發而產生少量白煙。	連續使用幾分鐘後煙霧會停止。
工具突然停止	電池過熱。	讓電池冷卻下來。
機器上的電池剩餘電量與電池上的電池剩餘電量指示器不相配。	—	請參考電池上的指示燈。
電池無法安裝	試圖安裝非該工具所指定的電池。	請安裝多伏特型或 BSL18xx 系列電池。

2. 充電器

情況	可能原因	解決方法
充電指示燈迅速閃爍紫色，且電池不開始充電。	電池未完全插入。	牢固地插入電池。
	電池端子內或電池安裝處有異物。	移除異物。
充電指示燈閃爍紅色，且電池不開始充電。	電池未完全插入。	牢固地插入電池。
	電池過熱。	若放著不管，當電池溫度降低後就會自動開始充電，但這可能會縮短電池的壽命。建議在充電前將電池放在遠離陽光直射且通風良好的位置進行冷卻。
即使電池已充滿電，電池的使用時間仍然很短。	電池壽命已耗盡。	更換新的電池。
電池的充電時間很長。	電池、充電器或周圍環境的溫度非常低。	在室內或其他較溫暖的環境進行電池的充電。
	充電器的通風口被堵塞，造成其內部組件過熱。	避免堵塞通風口。
	冷卻風扇未運轉。	聯繫 HiKOKI 授權服務中心以進行修理。

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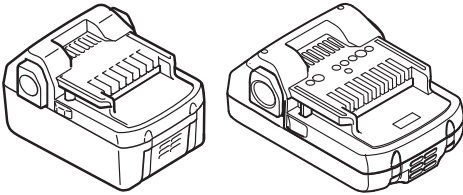
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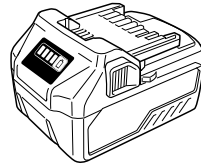
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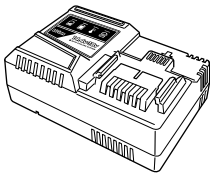
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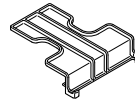
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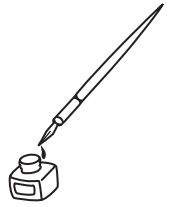
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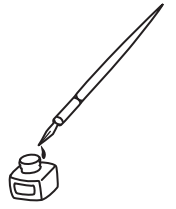


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