BRA 500.0 B, 600.0 B



2 - 21 Instruction Manual





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IMPORTANT! READ AND UNDERSTAND BEFORE USING AND KEEP IN A SAFE PLACE FOR REFERENCE.

1 Guide to Using this Manual

1.1 Applicable documents

The local safety regulations apply.

- In addition to this User Manual, you should also read, understand and retain the following documents:
  - Safety instructions and precautions for STIHL AP battery
  - User Manual for STIHL AL 101, 301, 301-4, 501 chargers
  - Safety information for STIHL batteries and products with built-in battery: www.stihl.com/safety-data-sheets

For further information on STIHL connected, compatible products and FAQs, please visit www.connect.stihl.com or available from a STIHL authorized dealer.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. These word marks and logos are used by STIHL under license.

The blower and the batteries with C are equipped with a Bluetooth® radio interface. Local operating restrictions (in aircraft or hospitals, for example) must be complied with.

1.2 Symbols used with warnings in the text

WARNING

- This symbol indicates dangers that can cause serious injuries or death.
  - The measures indicated can avoid serious injuries or death.

NOTICE

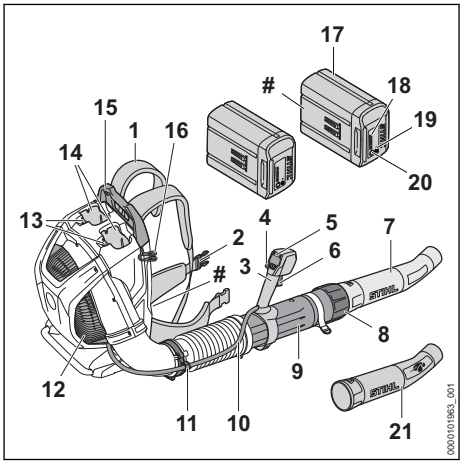
- This symbol indicates dangers that can cause damage to property.
  - The measures indicated can avoid damage to property.

1.3 Symbols in Text

This symbol refers to a chapter in this instruction manual.

2 Overview

2.1 Blower



1 Harness
The harness distributes the weight of the blower across the body.

2 Waist belt
In conjunction with the harness, the waist belt distributes the weight of the blower across the body.

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3 Control handle
The control handle operates, holds and directs the blower tube.

4 Power lock button
The power lock button locks the current blowing force.

5 Control panel, 🕮 2.2
The control panel (HMI) serves to select the power level, read out the battery levels and display errors and operating conditions.

6 Trigger
The trigger switches the blower on and off.

7 Nozzle
The nozzle directs and concentrates the air stream.

8 Union nut
The union nut is used to adjust the blower tube length.

9 Blower tube
The blower tube directs the air stream.

10 Wiring harness
The wiring harness connects the trigger to the motor.

11 Wiring harness retainer
The wiring harness retainer secures the wiring harness.

12 Shield
The shield protects the user from moving parts inside the blower.

13 Locking lever
The locking lever holds the battery in the battery compartment.

14 Battery compartment
The battery compartment holds the battery.

15 Carrying handle
The carrying handle is used to carry the blower.

16 Hook
The hook is for attaching the blower tube.

17 Battery
The battery supplies power to the blower.

18 LEDs
The LEDs indicate the state of charge of the battery and any errors.

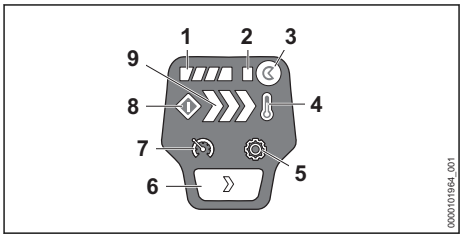
19 Button
The pushbutton activates the LEDs on the battery. It activates and deactivates the Bluetooth® interface (if available).

20 "BLUETOOTH®" LED (only for batteries with)
The LED indicates whether the Bluetooth® radio interface is activated or deactivated.

21 Nozzle
The nozzle directs and concentrates the air stream. Suitable for clearing away heavy or wet matter by blowing at high air velocity.

 # Rating plate with serial number

2.2 Control panel



1 "BATTERY STATE OF CHARGE" LED
The LEDs indicate the state of charge of the battery with the lower state of charge.

2 "BLUETOOTH®" LED
When the "BLUETOOTH®" button is pressed, the LEDs indicate the activation and deactivation of the Bluetooth® radio interface.

3 "BLUETOOTH® pushbutton"
The "BLUETOOTH®" pushbutton activates and deactivates the Bluetooth® radio interface.

4 "OVERHEATING" LED
This LED indicates that the machine is overheated.

5 "INDIVIDUALIZATION" LED
The LED indicates when individualization is activated.

6 Power setting button
The power setting button is used to select the power level.

7 "POWER LOCK" LED
The LED indicates when the power lock is activated.

8 "ERROR" LED
The LED indicates any errors in the machine.

9 "POWER LEVEL" LED
The LEDs indicate the selected power level and the boost function.

2.3 Symbols

These symbols may appear on the blower, nozzle and battery. Their meaning is as follows:


Suitable for clearing away heavy or wet matter by blowing at high air velocity.


Turn the pin in this direction to detach the nozzle.


The union nut is locked in this position. The blower tube cannot be adjusted.


The union nut is unscrewed in this position. The blower tube can be adjusted.


1 LED lights up red. The battery is too warm or too cold.


4 LEDs flash red. There is an error in the battery.


LWA Guaranteed sound power level in accordance with Directive 2000/14/EC in dB(A) for the purpose of comparing the sound emissions of products.


Recharge this battery with a STIHL charger. The admissible chargers are listed in these safety instructions.

The battery and the blower are equipped with a Bluetooth® radio interface and can be paired with the STIHL connected app.


The information next to this symbol indicates the energy content of the battery according to the cell manufacturer's specification. The energy content available in operation is lower.


Do not dispose of the product with domestic waste.

3 Safety Precautions

3.1 Warning symbols

The warning symbols on the blower or the battery have the following meanings:


Follow the safety notes and take the necessary precautions.


Read and understand the User Manual and keep it in a safe place for reference.


Wear protective glasses and ear muffs.


Comply with the safety instructions concerning ejected objects and take the necessary precautions.


Secure long hair so that it cannot be pulled into the blower.



Remove the battery during work interruptions, transport, storage, maintenance or repair.



Maintain a safe distance.


Protect the battery against heat and fire.



Do not immerse the battery in liquids.

3.2 Intended Use

The STIHL BRA 500.0 B and BRA 600.0 B blowers are designed for blowing leaves, grass, paper and similar materials.

The blower can be used in the rain.

The blower is supplied with power by two STIHL AP batteries. To be able to use all functions without limitations, STIHL recommends using at least AP 300 batteries.

The control panel of the blower is equipped with a non-replaceable 1654 lithium-ion button cell.

The blower and the battery with in combination with the STIHL connected app enable customization and the transfer of information to the blower and batteries based on Bluetooth® technology.

⚠ WARNING

- Batteries not approved by STIHL for the blower can cause fires and explosions. Persons may be seriously or fatally injured, and property may be damaged.
  - ► Use the blower with two STIHL AP batteries.
- Using the blower or the batteries other than for their intended use can result in serious injuries or death and damage to property.
  - ► Always use the blower as described in this User Manual.

- ► Use the batteries as described in this User Manual, the STIHL connected app and at www.connect.stihl.com.

3.3 Requirements concerning the user

⚠ WARNING

- Users who have not received instruction are not aware of and cannot assess the dangers of the blower and the battery. The user or other people may be seriously injured or killed.



  - ► Read the Instruction Manual, make sure you have understood it and keep it in a safe place for reference.
  - ► If allowing another person to use the blower or the battery: Give them the Instruction Manual as well.
  - ► Make sure that the user fulfills the following requirements:
    - – The user is rested.
    - – The user is physically, sensorially and mentally able to operate the blower and the battery and to work with them. If the user is able to operate the equipment but has physical, sensory or mental restrictions, the user may only work with the equipment under the supervision of or after receiving instruction from a responsible person.
    - – The user can recognize and assess the hazards of the blower and battery.
    - – The user is an adult, or is being trained in an occupation under supervision according to national regulations.
    - – The user has received instruction from a STIHL servicing dealer or other expert before operating the blower for the first time.
    - – The user is not under the influence of alcohol, medicines or drugs.
  - ► If in any doubt: Contact a STIHL servicing dealer.

3.4 Clothing and equipment

⚠ WARNING

- Long hair may be pulled into the blower while working. This may result in serious injury to the user.



  - ► Tie up and confine long hair above your shoulders so that it cannot be pulled into the blower.
- Objects can be thrown at high speed during operation. This may result in injury to the user.



  - ► Wear close-fitting safety glasses. Suitable protective glasses tested in accordance with European standard EN 166, EN ISO 16321 or in accordance with national standards and bearing the corresponding label are available from retailers.
  - ► Wear long pants.
- Noise is generated during operation. Noise can damage your hearing.



  - ► Wear hearing protection.
- Dust may be whipped up during operation. Whipped up dust can damage the respiratory passages and cause allergic reactions.
  - ► If dust is generated: Wear a dust respirator mask.
- Unsuitable clothing can snag on wood or scrub and may become caught in the blower. Users not wearing suitable clothing may be seriously injured.
  - ► Wear close-fitting clothing.
  - ► Remove scarves and jewelry.
- Wearing unsuitable footwear may cause the user to slip. This may result in injury to the user.
  - ► Wear sturdy, closed-toed footwear with non-slip soles.

3.5 Work Area and Surroundings

3.5.1 Working Area and Surroundings

⚠ WARNING

- Bystanders, children and animals are not aware of the dangers of the blower and objects being thrown into the air and cannot assess them. This may result in serious injury to bystanders, children and animals and damage to property.



  - ► Do not allow bystanders, children or animals within 15 meters of the work area.
  - ► Maintain a clearance of 15 meters from objects.
  - ► Do not leave the blower unattended.
  - ► Ensure that children cannot play with the blower.
- Electrical components of the blower can produce sparks. Sparks may cause fires and explosions in highly flammable or explosive

environments. Persons may be seriously or fatally injured, and property may be damaged.
- ► Do not work in a highly flammable or explosive environment.

3.5.2 Battery

⚠ WARNING

- Bystanders, children and animals cannot recognize or assess the dangers of the battery. Bystanders, children and animals may be seriously injured.
  - ► Keep bystanders, children and animals away from the work area.
  - ► Do not leave the battery unattended.
  - ► Make sure that children cannot play with the battery.
- The battery is not protected against all ambient conditions. If the battery is exposed to certain ambient conditions, the battery may catch fire, explode or be irreparably damaged. This may result in serious injury to people and damage to property.



  - ► Protect battery from heat and fire.
  - ► Do not throw the battery into a fire.
  - ► Do not charge, use and store the battery outside of the specified temperature limits, 📖 19.4.



  - ► Do not immerse the battery in liquids.
  - ► Keep battery away from small metal parts.
  - ► Do not expose the battery to high pressure.
  - ► Do not expose the battery to microwaves.
  - ► Protect the battery against chemicals, salts and fertilizers.

3.6 Safe Condition

3.6.1 Blower

The blower is in a safe condition if the following conditions are fulfilled:
– The blower is undamaged.
– The blower is clean.
– The controls function properly and have not been modified.
– Original STIHL accessories are fitted.
– The accessories are correctly installed.

⚠ WARNING

- If not in safe condition, components may no longer operate correctly, and safety devices may be rendered ineffective. There is a risk of serious or fatal injury.
  - ► Never use a damaged blower.
  - ► If the blower is dirty: Clean the blower.
  - ► If the battery compartment is moist or wet: Allow the battery compartment to dry.
  - ► Do not modify the blower.
  - ► If the controls do not function properly: Do not work with the blower.
  - ► Fit original STIHL accessories designed for this blower model.
  - ► Install accessories as described in this User Manual or in the User Manual for the accessories.
  - ► Do not insert objects into the openings in the blower.
  - ► Replace worn or damaged labels.
  - ► If you are unsure: Contact a STIHL authorized dealer.

3.6.2 Battery

The battery is in a safe condition if the following points are observed:
– Battery is undamaged.
– The battery is clean and dry.
– Battery functions properly and has not been modified.

⚠ WARNING

- A battery that is not in a safe condition cannot operate safely. Persons may be seriously injured.
  - ► Never work with a damaged battery.
  - ► Never attempt to charge a damaged or defective battery.
  - ► If the battery is dirty: Clean the battery.
  - ► If the battery is wet or damp: Allow the battery to dry, 📖 19.5.
  - ► Never attempt to modify the battery.
  - ► Never insert objects in the battery's openings.
  - ► Never bridge the battery's contacts with metallic objects (short circuit).
  - ► Do not open the battery.
  - ► Replace worn or damaged labels.
- Fluid may leak from a damaged battery. If that liquid comes into contact with the skin or eyes, the skin or eyes may be irritated.
  - ► Avoid contact with the liquid.
  - ► If skin contact occurs: Wash affected areas of skin with plenty of water and soap.
  - ► In the event of contact with eyes: Rinse eyes with plenty of water for at least 15 minutes and consult a doctor.
- A damaged or defective battery may smell unusual, emit smoke or burn. Persons may be seriously or fatally injured, and property may be damaged.

- ► If the battery smells unusual or emits smoke: do not use the battery and keep it away from combustible substances.
- ► If the battery catches fire: Attempt to extinguish the battery with a fire extinguisher or water.

3.7 Working

⚠ WARNING

- In certain situations, the user may no longer be able to concentrate on their work. This may result in the user stumbling, falling and suffering serious injury.
  - ► Work calmly and methodically.
  - ► If light and visibility are poor: Do not work with the blower.
  - ► Do not use the blower on your own.
  - ► Do not work above shoulder height.
  - ► Watch out for obstacles.
  - ► Work standing on the ground and keep your balance. If you have to work at a height: Use a mobile elevating work platform or a secure scaffolding.
  - ► If you start feeling fatigue: Take a break.
  - ► Blow in direction of the wind.
- Objects can be thrown at high speed during operation. This can result in injuries to persons and animals and damage to property.



  - ► Do not direct air blast towards people, animals or objects.
- If the blower starts behaving differently or in an unusual way while operating, the blower may be in an unsafe condition. This may result in serious injury to people and damage to property.
  - ► Stop working, remove the batteries and contact a STIHL authorized dealer.
- Vibrations may occur during blower operation.
  - ► Take breaks.
  - ► If signs of a circulatory disorder occur: Consult a doctor.
- The dust whipped up may cause the blower to be electrostatically charged. In certain conditions (e.g. dry environment) the blower may discharge suddenly and emit sparks. Sparks may cause fires and explosions in highly flammable or explosive environments. Persons may be seriously or fatally injured, and property may be damaged.
  - ► Do not work in a highly flammable or explosive environment.

3.8 Transporting

3.8.1 Blower

⚠ WARNING

- The blower may tip over or move during transport. People may be injured or property may be damaged.



  - ► Remove the batteries.
  - ► Secure the blower with lashing straps, belts or a net so that it cannot tip over or move.

3.8.2 Battery

⚠ WARNING

- The battery is not protected against all ambient conditions. The battery may be damaged if it is exposed to certain ambient conditions, and damage to property may occur.
  - ► Never transport a damaged battery.
- The battery may turn over or shift during transport. This may result in injury to people and damage to property.
  - ► Pack the battery in packaging in such a way that it cannot move.
  - ► Secure the packaging so that it cannot move.

3.9 Storing

3.9.1 Blower

⚠ WARNING

- Children are not aware of and cannot assess the dangers of a blower. Children may be seriously injured.



  - ► Remove the batteries.
  - ► Store the blower out of the reach of children.
- Moisture may cause the electrical contacts on the blower and metal components to corrode. The blower may be damaged.



  - ► Remove the batteries.
  - ► Store the blower in a clean, dry state.

3.9.2 Battery

⚠ WARNING

- Children are not aware of and cannot assess the dangers of the battery Children may be seriously injured.
  - ► Store the battery out of the reach of children.
- The battery is not protected against all ambient conditions. If the battery is exposed to certain ambient conditions, the battery may be irreparably damaged.
  - ► Store the battery in a clean and dry condition.
  - ► Store the battery in an enclosed space.
  - ► Store the battery separately from the blower.
  - ► If the battery is stored in the charger, disconnect the mains plug and store the battery at a state of charge between 40% and 60% (2 lit green LEDs).
  - ► Do not store the battery outside of the specified temperature limits, 🕮 19.4.

3.10 Cleaning, maintenance and repair

⚠ WARNING

- The blower may start unintentionally if batteries are left in place during cleaning, maintenance or repair work on the blower. This may result in serious injury to people and damage to property.



  - ► Remove the batteries.
- Harsh detergents, cleaning with a water jet or sharp objects can damage the blower and the battery. If the blower or battery are not cleaned as described in this user manual, components may no longer function properly and safety devices may be rendered inoperative. People may suffer serious injuries as a result.
  - ► Clean the blower and battery as described in this user manual.
- If the blower or battery are not properly serviced or repaired, components may no longer function properly and safety devices may be rendered inoperative. Persons may be seriously injured or killed.
  - ► Do not attempt to service or repair the blower or the battery yourself.
  - ► If the blower or the battery require servicing or repairs: Contact a STIHL authorized dealer.

4 Preparing the Blower for Operation

4.1 Preparing the blower for operation

The following steps must be performed before commencing work:

- ► Ensure that the following components are in a safe condition:
  - – Blower, 🕮 3.6.1.
  - – Battery, 🕮 3.6.2.
- ► Check the battery, 🕮 11.2.
- ► Fully charge battery as described in the User Manual for the STIHL AL 101, 301, 301-4, 501 chargers.
- ► Clean blower, 🕮 16.1.
- ► Attach the blower tube, 🕮 7.1.
- ► Attach nozzle, 🕮 7.2.
- ► Put on and adjust the harness, 🕮 9.1.
- ► Adjust the control handle, 🕮 9.2.
- ► Check the controls, 🕮 11.1.
- ► If it is not possible to carry out these steps: Do not use the blower and instead contact a STIHL authorized dealer for assistance.

4.2 Connecting the STIHL product with the STIHL connected app via a Bluetooth® radio interface

- ► Activate the Bluetooth® radio interface on the mobile device.
- ► Activating the Bluetooth® radio interface on the control panel, 🕮 6.1.
- ► Download the STIHL connected app to the mobile device from the App Store and create an account.
- ► Open and sign in to the STIHL connected app.
- ► Add the STIHL product in the STIHL connected app and follow the instructions on the screen.

For contacts and other information, please visit https://support.stihl.com or see the STIHL connected app.

The STIHL connected app is available in certain markets.

4.3 Connecting a battery with Bluetooth® radio interface with the STIHL connected app

- Activate the Bluetooth® radio interface on the mobile device.
- Activating the Bluetooth® radio interface on the battery, 📖 6.
- Download the STIHL connected app to the mobile device from the App Store and create an account.
- Open and sign in to the STIHL connected app.
- Add the battery in the STIHL connected app and follow the instructions on the screen.

For contacts and other information, please visit https://support.stihl.com or see the STIHL connected app.

The STIHL connected app is available internationally.

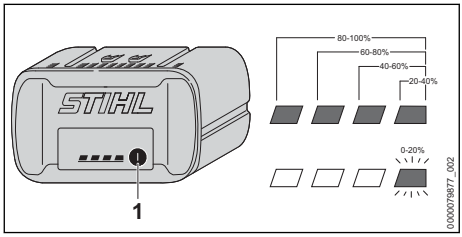
5 Charging the Battery, LEDs

5.1 Charging the battery

The charging time depends on various factors, e.g. the battery temperature or the ambient temperature. For optimal performance, note the recommended temperature ranges, 📖 19.5. The actual charging time may vary from the charging time indicated. The charging time is indicated at www.stihl.com/charging-times.

- Recharge the battery as described in the User Manual for STIHL AL 101, 301, 301-4, 501 chargers.

5.2 Displaying the charge level



- Press the button (1).
  The LEDs light up green for about 5 seconds and indicate the state of charge.
- If the LED on the right flashes green: Charge the battery.

5.3 LEDs on Battery

The LEDs can show the state of charge or malfunctions. The LEDs can glow or flash green or red.

The state of charge is indicated when the LEDs glow or flash green.

- If the LEDs glow or flash red: Troubleshooting, 📖 18.
  Malfunction in blower or battery.

6 Activating and Deactivating Bluetooth® Radio Interface

6.1 Blower

6.1.1 Activating the Bluetooth® radio interface

Activating the Bluetooth® radio interface on the control panel

- Switch on the blower.
- Press the "BLUETOOTH®" pushbutton for about 3 seconds and keep it pressed until the "BLUETOOTH®" LED next to the symbol lights up blue for about 5 seconds.
  The Bluetooth® radio interface on the blower is activated.

6.1.2 Deactivating the Bluetooth® radio interface

- Remove the blower from the STIHL connected app.

Deactivating the Bluetooth® radio interface on the control panel

- Press the "BLUETOOTH®" pushbutton for about 10 seconds and keep it pressed until the "BLUETOOTH®" LED next to the symbol flashes blue six times.
  The Bluetooth® radio interface on the blower is deactivated.

6.2 Battery

6.2.1 Activating the Bluetooth® Radio Interface

- If the battery has a Bluetooth® radio interface: Press and hold the pushbutton until the "BLUETOOTH®" LED next to the symbol lights up blue for approximately 3 seconds.
  The Bluetooth® radio interface on the battery is activated.

6.2.2 Deactivating the Bluetooth® Radio Interface

- If the battery has a Bluetooth® radio interface: Press and hold the pushbutton until the "BLUETOOTH®" LED next to the symbol lights up blue six times.
  The Bluetooth® radio interface on the battery is deactivated.

6.2.3 Reset battery to the factory setting via a Bluetooth® radio interface (AP 200.0 S, 300 S, 300.0 S, 500.0 S only)

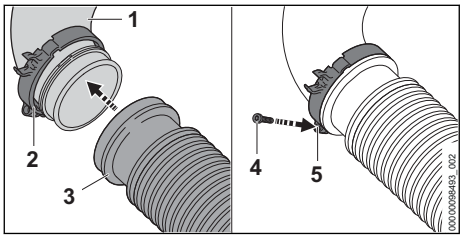
Resetting the battery to the factory setting means that all user-specific data will be deleted.

- Press the pushbutton four (4) times in quick succession and keep it pressed on the fourth time until the "BLUETOOTH®" LED next to the symbol flashes blue.
- Then release the pushbutton immediately.
- Connect the battery to the STIHL connected app and check whether all user-specific data has been deleted.

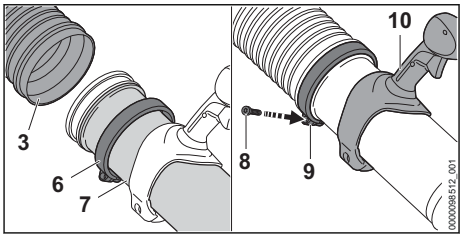
7 Assembling the Blower

7.1 Attaching the blower tube

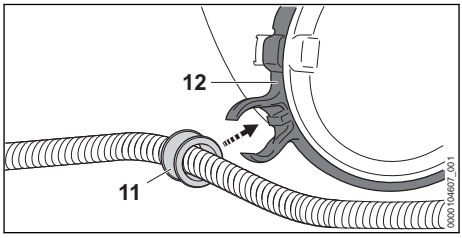
- Switch off the blower and remove the batteries.



- Push the "clamp with wiring harness retainer" (2) onto the elbow (1).
- Push the pleated hose (3) onto the elbow (1). The pleated hose (3) fits flush with the elbow (1).
- Push the "clamp with wiring harness retainer" (2) onto the pleated hose (3) as far as it will go and align it so that the screw eye (5) points downward.
- Insert the screw (4) and secure it firmly.



- Push clamp (6) onto the blower tube (7).
- Push the blower tube (7) into the corrugated hose (3) as far as it will go.
- Align the blower tube (7) so that the handle (10) points upwards.
- Push the clamp (6) onto the pleated hose (3) as far as it will go and align it so that the screw eye (9) points downward.
- Insert and firmly tighten the screw (8).



- Press the socket (11) into the wiring harness retainer (12).
  The socket engages with an audible click.

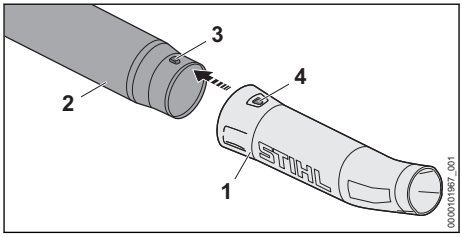
There is no need to remove the blower tube again.

7.2 Attaching and removing the nozzle

7.2.1 Attaching the nozzle

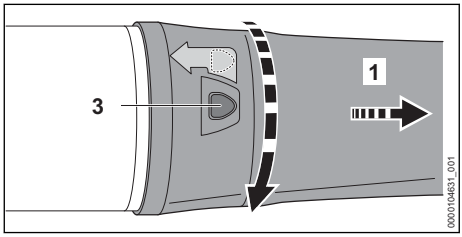
The blower tube must be extended.

- Switch off the blower and remove the batteries.



- Line up the hole (4) and the pin (3).
- Push the nozzle (1) onto the blower tube (2). The nozzle (1) engages.

7.2.2 Removing the nozzle

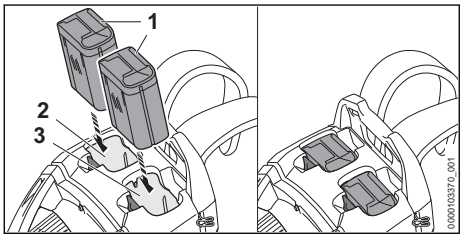


- Press and hold the pins (3). Turn the nozzle in the direction of the arrow.
- Remove the nozzle (1).

8 Removing and Fitting the Battery

8.1 Inserting the battery

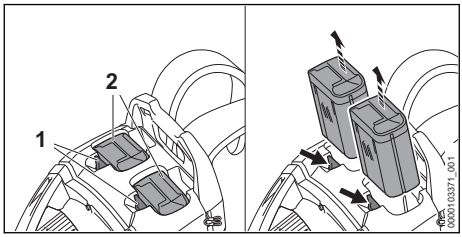
Stihl recommends using and marking the batteries in pairs.



- Insert the battery (1) into the battery compartment (2.3) as far as it will go.
  The battery (1) engages with a click and is now locked.

8.2 Removing the battery

- Place the blower on a level surface.



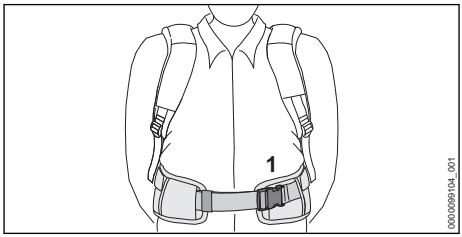
- Depress the locking lever (1).
  The battery (2) is now unlocked and can be removed.

9 Adjusting Blower for User

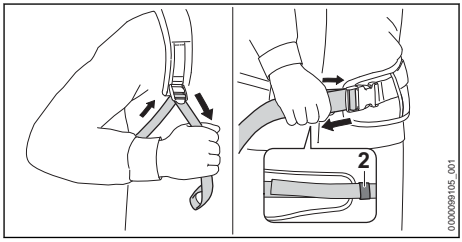
9.1 Fitting and Removing Harness

9.1.1 Fitting and Adjusting the Carrying Strap

- Put the blower on your back.



- Close buckle (1) on the waist belt.



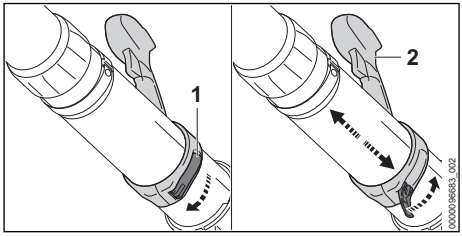
- Tighten the straps until the waist belt fits snugly on your hips and the back padding is against your back.
- Thread the end of the waist belt through the buckle (2).

9.1.2 Removing the Carrying Strap

- Loosen the straps.
- Open the buckle on the waist belt.
- Take the blower off your back.

9.2 Adjusting the control handle

- Switch off the blower and remove the batteries.

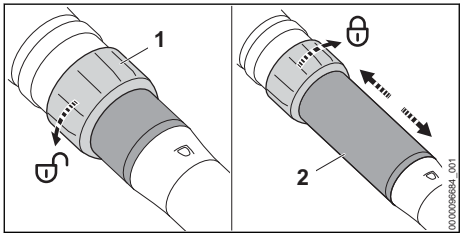


- Open the quick release clamp (1).
- Slide the control handle (2) to the required position.
- Close quick release (1).
  The quick release clamp engages in position with an audible click.

9.3 Adjusting the blower tube

The nozzle can be continuously adjusted depending on the height of the user and the work situation.

- ► Switch off the blower and remove the batteries.

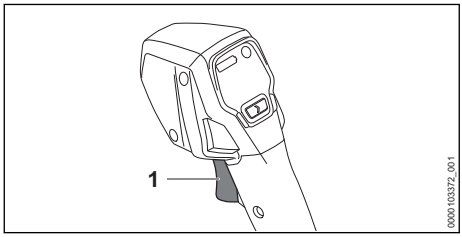


- ► Turn the union nut (1) a half rotation toward 🔓.
- ► Adjust the blower tube (2) to the required length.
- ► Turn the union nut (1) in the direction of 🔒 as far as it will go.

10 Switching the Blower On/Off

10.1 Switching on the blower

- ► Hold the blower by the control handle with one hand and wrap your thumb around the control handle.



- ► Press the trigger (1) with your index finger and keep it pressed.
  The blower accelerates and air flows out of the nozzle.
  The LEDs on the control panel light up.

The further you press the trigger (1), the more air flows out of the nozzle.

10.2 Turning off the blower

- ► Release the trigger.
  Air stops flowing out of the nozzle.
- ► If air continues to flow out of the nozzle: Check if the power lock button has been deactivated. Deactivate the power lock 🕮 12.3.
- ► If air continues to flow out of the nozzle: Remove the batteries and contact a STIHL authorized dealer.
  The blower is defective.

11 Testing the Blower and Battery

11.1 Checking the controls

Trigger

- ► Remove the batteries.
- ► Press the trigger.
- ► If the trigger is stiff or does not spring back to its idle position: Do not use the blower and instead contact a STIHL authorized dealer.
  The trigger is defective.

Switching on the blower

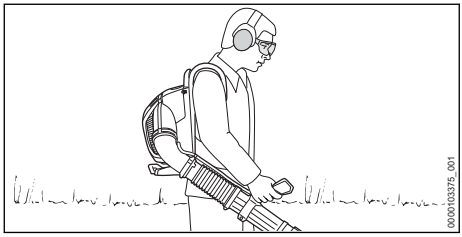
- ► Insert the batteries.
- ► Press and hold the trigger.
  Air flows out of the nozzle.
- ► If the "ERROR" LED on the control panel is flashing red: Remove the batteries and consult a STIHL authorized dealer.
  There is an error in the blower.
- ► If 3 LEDs on the battery flash red: Remove the batteries and contact a STIHL authorized dealer.
  There is an error in the blower.
- ► Release the trigger.
  Air stops flowing out of the nozzle.
- ► If air continues to flow out of the nozzle: Remove the batteries and contact a STIHL authorized dealer.
  The blower is defective.

11.2 Testing the Battery

- ► Press button on battery.
  The LEDs glow or flash.
- ► If the LEDs do not glow or flash: Do not use the battery and contact your STIHL servicing dealer.
  There is a malfunction in the battery.

12 Operating the Blower

12.1 Holding and guiding the blower



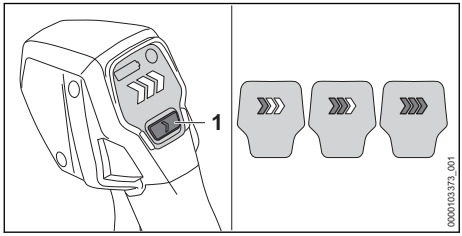
- Carry the blower on your back.
- Hold and guide the blower firmly with your right hand on the control handle so that your thumb wraps around the control handle.

12.2 Setting the power level

Depending on the application, you can set 3 power levels. The LEDs on the blower indicate the selected power level. The higher the power lever, the greater the volume of air that flows from the nozzle.

The selected power level affects the battery's runtime. The lower the power level, the longer the battery runtime.

- Switch on the blower.
  The LEDs on the blower light up to indicate the selected power level.

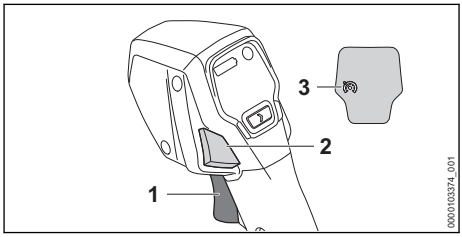


- Press the power setting button (1).
  This selects the next power level. After the third performance level, it starts again with the first performance level.
- Press the power setting button (1) as many times as necessary to select the desired power level.

12.3 Activating and deactivating the power lock

The power lock can be activated independently of the selected power level. Any desired blowing force can be locked by using the power lock button.

- Switch on the blower.
- Set the power level.



- Use trigger (1) to adjust blowing force.
- Press the power lock button (2).
  The blowing force is locked. You can let go of the trigger. The "POWER LOCK LED" (3) on the control panel lights up green.

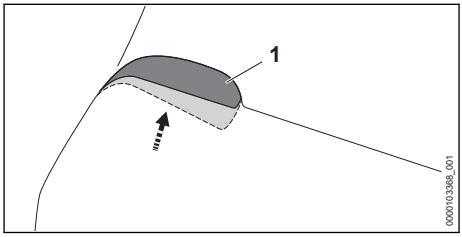
Before shutting down: Deactivate the power lock.

To deactivate the power lock, press the power lock button (2) again.

12.4 Activating the boost function

The boost function can be activated independently of the selected power level. The blower operates at maximum power when the boost function is activated.

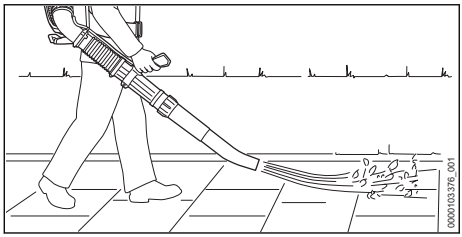
The boost function affects the battery runtime. The longer the boost function is activated, the shorter the battery runtime.



- Override the trigger (1) and hold it there.
  The "POWER LEVEL" LEDs flash one after the other. The boost function is activated.

The boost function is deactivated when you release the trigger (1). The previously selected power level is reset.

12.5 Blowing



- Point the nozzle at the ground.
- Walk forward slowly and steadily.

13 After Finishing Work

13.1 After finishing work

- Switch off the blower and remove the batteries.
- If the blower is wet: Allow the blower to dry.
- If the battery is moist or wet: Allow the battery to dry, 19.5.
- Clean the blower.
- Clean the battery.

14 Transporting

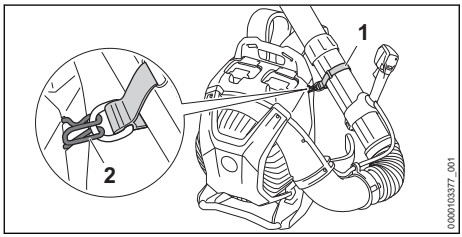
14.1 Transporting the blower

- Switch off the blower and remove the batteries.

Carrying the blower

- Carry the blower on your back and hold the blower with your right hand on the control handle.

Transporting the blower in a vehicle



- Using the strap (1), attach the blower to the hook (2) of the back plate.
- Secure the blower so that it cannot tip over or move.

14.2 Transporting the battery

- Turn off the blower and remove the battery.
- Check that the battery is in a safe condition.
- Pack the battery in packaging in such a way that it cannot move inside the packaging.
- Secure the packaging so that it cannot move.

The battery is subject to the Carriage of Dangerous Goods regulations. The battery is classified as UN 3480 (lithium ion batteries) and has been tested pursuant to UN Manual Tests and Criteria Part III, Subsection 38.3.

The transport regulations can be found at www.stihl.com/safety-data-sheets.

15 Storing

15.1 Storing the blower

- Turn off the blower and remove the battery.
- The blower should be stored in such a way that the following conditions are fulfilled:
  - The blower cannot topple over and cannot move.
  - The blower must be out of the reach of children.
  - The blower must be clean and dry.

15.2 Storing the Battery

STIHL recommends keeping the battery in a charging state between 40% and 60 % (2 green LEDs lit).

- The battery should be stored in such a way that the following conditions are fulfilled:
  - The battery is out of the reach of children.
  - The battery is clean and dry.
  - The battery is in an enclosed space.
  - Battery is stored separately from the blower.
  - If the battery is stored in the charger, disconnect the mains plug and store the battery at a state of charge between 40% and 60% (2 lit green LEDs).
  - Do not store the battery outside of the specified temperature limits, 19.4.

NOTICE

- If the battery is not stored as described in this User Manual, the battery may become deeply discharged and irreparably damaged.
  - Charge a discharged battery before storing it. STIHL recommends keeping the battery state of charge between 40% and 60% (2 lit green LEDs).
  - Store the battery separately from the blower.

16 Cleaning

16.1 Cleaning the blower

- Switch off the blower and remove the battery.
- Clean blower with a damp cloth.

- Clean vents with a paintbrush.
- Remove foreign objects from the battery compartment and clean the battery compartment with a damp cloth.
- Clean the electrical contacts in the battery compartment with a paintbrush or soft brush.
- Clean the shield with a paintbrush or soft brush.

16.2 Cleaning the Battery

- Clean the battery with a damp cloth.

17 Maintenance and Repairs

17.1 Servicing and Repairing the Blower

The blower cannot be serviced or repaired by the user.

- If your blower has a malfunction or is damaged or requires servicing: Contact your STIHL servicing dealer.

17.2 Servicing and Repairing the Battery

The battery requires no servicing and cannot be repaired.

- If the battery has a malfunction or is damaged: Replace the battery.

18 Troubleshooting

18.1 Troubleshooting the blower or the battery

Error	LEDs on the control panel	LEDs on the battery	Cause	Remedy
The blower tube does not reach its usual power.	The "OVERHEATING" LED lights up yellow.		The temperatures of the electronics or of the motor are too high.	► Allow the blower to cool down. ► Do not switch on the blower too often within a short span of time. ► When you are working at a high power level, reduce the power level.
The blower cuts out during operation.	The "OVERHEATING" LED flashes red.		The blower is too warm.	► Remove the batteries. ► Allow the blower to cool down.
The blower does not start when switched on.	The "BATTERY STATE OF CHARGE" LED flashes green.	1 LED flashes green.	The state of charge of at least one battery is too low.	► Check the state of charge on the battery. ► Charge the battery.
		1 LED lights up steady red.	The battery is too warm or too cold.	► Remove the battery. ► Allow the battery to cool down or warm up.
	The "ERROR" LED flashes red.	3 LEDs flash red.	There is an error in the blower.	► Remove the batteries. ► Clean the electrical contacts in battery compartment 1 and battery compartment 2. ► Insert the batteries. ► Switch on the blower. ► If 3 LEDs continue to flash red: Do not use the blower and instead contact a STIHL authorized dealer.
	The "OVERHEATING" LED flashes red.	3 LEDs light up red.	The blower is too warm.	► Remove the batteries. ► Allow the blower to cool down.
		4 LEDs flash red.	There is an error in the battery.	► Remove battery and reinsert it. ► Switch on blower.

Error	LEDs on the control panel	LEDs on the battery	Cause	Remedy
				► If 4 LEDs continue to flash red: Do not use the battery and instead contact a STIHL authorized dealer.
			There is a break in the electrical connection between the blower and the batteries.	► Remove the batteries. ► Clean the electrical contacts in battery compartment 1 and battery compartment 2. ► Insert the batteries.
			Communication with the operating unit has been interrupted.	► Remove the batteries. ► Do not use the blower and instead contact a STIHL authorized dealer.
			The blower or the batteries are damp.	► Remove the batteries. ► Clean the blower. ► Allow blower or batteries to dry, 🕮 19.5.
The blower cuts out during operation.	The "OVERHEATING" LED flashes red.	3 LEDs light up red.	The blower is too warm.	► Remove the batteries. ► Allow the blower to cool down. ► Clean the blower.
			There is an electrical error.	► Remove the batteries and insert them again. ► Switch on the blower.
The blower runtime is too short.			At least one battery is not fully charged.	► Fully charge the batteries as described in the User Manual for STIHL AL 101, 301, 301-4, and 501 chargers.
			The service life of at least one battery has expired.	Replace the battery.
The STIHL connected app is unable to find the blower.	The "BLUETOOTH®" LED does not light up.		The Bluetooth® radio interface on the control panel of the blower or on the mobile device is deactivated.	► Activate the Bluetooth® radio interface on the control panel of the blower and on the mobile device.
			The battery in the control panel is not fully charged.	► Insert the batteries. ► Switch on the blower. The battery in the control panel is charged via the batteries in the blower.
			Excessive distance between the blower and the mobile device.	► Reduce the distance, 🕮 19.1. ► If the STIHL connected app is still unable to find the blower: Contact a STIHL authorized dealer.
The STIHL connected app is unable to find the battery with .			The Bluetooth® radio interface on the battery or mobile device is deactivated.	► Activate the Bluetooth® radio interface on the battery or mobile device.
			Excessive distance between the battery and	► Reduce the distance, 🕮 19.1.

Error	LEDs on the control panel	LEDs on the battery	Cause	Remedy
			the mobile device.	► If the STIHL connected app is still unable to find the blower or the battery: Contact a STIHL authorized dealer.

18.2 Product Support and Assistance on Use

Product support and assistance on use are available from STIHL servicing dealers.

For contacts and other information, please visit https://support.stihl.com or www.stihl.com.

19 Specifications

19.1 STIHL BRA 500.0 B blower

– Approved batteries:
  – STIHL AP 300, 300 S, 500 S
– Blowing force: 32 N
– Maximum air velocity: 109 m/s
– Average air velocity: 91 m/s
– Air throughput: 1440 m³/h
– Maximum air throughput (without blower tube assembly): 1697 m³/h
– Weight without battery: 10.5 kg
– Degree of protection: IPX4 (protection against splash water from any direction)
– Bluetooth® radio interface :
  – Data connection: Bluetooth® 5.1. The mobile device must be compatible with Bluetooth® Low Energy 5.0 and support Generic Access Profile (GAP).
  – Frequency band: ISM band 2.4 GHz
  – Maximum RF power transmitted: 1 mW
  – Signal range: approx. 10 m. The signal strength depends on the ambient conditions and the mobile device. The signal range can vary greatly depending on local conditions and the receiver used. The range may be perceptibly reduced inside enclosed rooms and through metal barriers (such as walls, shelves or cases).
  – Mobile device operating system requirements: Android or iOS (current version or higher)

For runtime, see www.stihl.com/battery-life.

19.2 STIHL BRA 600.0 B blower

– Approved batteries:
  – STIHL AP 300, 300 S, 500 S
– Blowing force: 35 N
– Maximum air velocity: 113 m/s
– Average air velocity: 95 m/s
– Air throughput: 1500 m³/h
– Maximum air throughput (without blower tube assembly): 1765 m³/h
– Weight without battery: 10.5 kg
– Degree of protection: IPX4 (protection against splash water from any direction)
– Bluetooth® radio interface :
  – Data connection: Bluetooth® 5.1. The mobile device must be compatible with Bluetooth® Low Energy 5.0 and support Generic Access Profile (GAP).
  – Frequency band: ISM band 2.4 GHz
  – Maximum RF power transmitted: 1 mW
  – Signal range: approx. 10 m. The signal strength depends on the ambient conditions and the mobile device. The signal range can vary greatly depending on local conditions and the receiver used. The range may be perceptibly reduced inside enclosed rooms and through metal barriers (such as walls, shelves or cases).
  – Mobile device operating system requirements: Android or iOS (current version or higher)

For runtime, see www.stihl.com/battery-life.

19.3 STIHL AP Battery

– Battery technology: Lithium-ion
– Voltage: 36 V
– Capacity in Ah: see rating label
– Energy content in Wh: see rating label
– Weight in kg: See rating label
– Bluetooth® radio interface (only for batteries with):
  – Data connection: Bluetooth® 5.1. The mobile device must be compatible with Bluetooth® Low Energy 5.0 and support Generic Access Profile (GAP).
  – Frequency band: ISM band 2.4 GHz
  – Maximum RF power transmitted: 1 mW
  – Signal range: approx. 10 m. The signal strength depends on the ambient conditions and the mobile device. The signal range can vary greatly depending on local conditions and the receiver used. The range may be perceptibly reduced inside enclosed rooms

and through metal barriers (such as walls, shelves or cases).
– Mobile device operating system requirements: Android or iOS (current version or higher)

The power output of the battery may vary depending on the battery product used.

19.4 Temperature limits

WARNING

- The battery is not protected against all ambient conditions. If the battery is exposed to certain environmental conditions, it may catch fire or explode. This may result in serious injury to people and damage to property.
  - ► Do not charge the battery below - 20°C or above 50°C.
  - ► Do not use the blower or battery below - 20°C or above 50°C.
  - ► Do not store the blower or the battery below -20°C or above +70°C.

19.5 Recommended temperature ranges

For optimum performance of the blower and battery, observe the following temperature ranges:
– Charging: 5°C to 40°C
– Use: - 10 °C to + 40 °C
– Storage: - 20 °C to + 50 °C

If the battery is charged, used or stored outside the recommended temperature ranges, performance may be restricted.

If the battery is wet or moist, allow the battery to dry for at least 48 h between 15°C and 50°C and with less than 70% humidity. Higher humidity may extend the drying time.

19.6 Sound and vibration values

BRA 500.0 B

STIHL recommends wearing hearing protection.
– Sound pressure level L_{pA} measured according to IEC 62841-4-6: 86 dB(A), uncertainty K_{pA}: 2 dB(A)
– Sound power level L_{wA} measured according to IEC 62841-4-6: 95 dB(A), uncertainty K_{WA}: 2 dB(A)
– Guaranteed sound power level L_{WAd}, measured according to 2000/14/EC: 97 dB(A).
– Vibration value a_{hv}, measured according to IEC 62841-4-6: control handle: 0.2 m/s², uncertainty K_a: 2.0 m/s²
– Vibration value p_F determined according to EN ISO 5349-3:
  – Control handle: 3 m/s², uncertainty K_p: 2 m/s²

BRA 600.0 B

STIHL recommends wearing hearing protection.
– Sound pressure level L_{pA} measured according to IEC 62841-4-6: 86 dB(A), uncertainty K_{pA}: 2 dB(A)
– Sound power level L_{wA} measured according to IEC 62841-4-6: 96 dB(A), uncertainty K_{WA}: 2 dB(A)
– Guaranteed sound power level L_{WAd}, measured according to 2000/14/EC: 98 dB(A).
– Vibration value a_{hv}, measured according to IEC 62841-4-6: control handle: 0.2 m/s², uncertainty K_a: 2.0 m/s²
– Vibration value p_F determined according to EN ISO 5349-3:
  – Control handle: 5 m/s², uncertainty K_p: 2 m/s²

The sound and vibration values indicated were measured according to a standardized test method and can be used as a basis for comparing electric power tools. The actual sound and vibration levels may vary from the values indicated, depending on the type of application and the accessories used. The sound and vibration levels indicated can be used for an initial estimate of the sound and vibration load. The actual sound and vibration stress has to be estimated. The times can be taken into account in the estimate when the electric power tool is switched off and also when it is switched on but running without any load.

For information on compliance with the Physical Agents (Vibration) Directive 2002/44/EC, see www.stihl.com/vib.

19.7 REACH

REACH is an EC regulation and stands for the Registration, Evaluation, Authorisation and Restriction of Chemical substances.

For information on compliance with the REACH regulation see www.stihl.com/reach.

20 Spare Parts and Accessories

20.1 Spare parts and accessories

STIHL These symbols indicate original STIHL spare parts and original STIHL accessories.

STIHL recommends the use of original STIHL spare parts and accessories.

Despite ongoing market observation, STIHL is unable to judge the reliability, safety and suitability of other manufacturers' spare parts and accessories; accordingly, STIHL cannot warrant for the use of those parts.

Original STIHL spare parts and original STIHL accessories are available from STIHL dealers.

21 Disposal

21.1 Disposing of the blower and battery

Contact local authorities or a STIHL authorized dealer for information about disposal.

Improper disposal can be harmful to health and pollute the environment.

The control panel contains an installed lithium-ion button cell.

- ► Take STIHL products including packaging to a suitable collection point for recycling in accordance with local regulations.
- ► Do not dispose with domestic waste.

22 EU conformity

The EU Declaration of Conformity is available at stihl.link/compliance.

Further information and a form for reporting security vulnerabilities are available at vdp.stihl.com.

23 Addresses

www.stihl.com

24 General Power Tool Safety Warnings

24.1 Introduction

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 "electric power tool" in the safety warnings refers to mains-operated (corded) power tools or battery-operated (cordless) power tools.

24.2 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.

24.3 Electrical safety

a) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

24.4 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 facillities, 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.

24.5 Power tool use and care

a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

24.6 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.

24.7 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.

24.8 Safety Information for Blowers

a) **Do not use your blower in bad weather, especially during thunderstorms.** This reduces the risk of being struck by lightning.

b) **Wear safety glasses and hearing protection.** Wearing suitable personal protective equipment will reduce the risk of injury.

c) **Always wear non-slip, protective shoes when operating the blower. Never work barefoot or with open sandals.** This will reduce the risk of a foot injury.

d) **Do not wear loose fitting clothing or items such as scarves, cords, chains, ribbons, etc., that could be sucked into the air inlet vent. Tie up your hair or cover it to prevent it from being sucked into the air inlet vent.** The sucking of any of these items into the air inlet vent may increase the risk of injury.

e) **Keep your blower at a distance from other people during operation.** Deflected waste may increase the risk of injury.

f) **Never aim the blower nozzle in the direction of people, animals or windows. Operate the device with particular attention when clearing waste away from fixed objects, such as trees, cars or walls, from which waste may be deflected.** Deflected parts may increase the risk of injury.

g) **Do not use the blower to clear burning or smoking waste, such as cigarettes, matches or ash.** These sources of ignition may increase the risk of fire.

h) **Do not touch the fan while it is still turning. Switch off the blower and wait until the fan stands still before removing a part that provides access to the fan.** This will reduce the risk of injury due to moving parts.

i) **Before removing trapped cuttings or servicing the blower, ensure that the switch is turned off.** An unexpected startup of the blower while removing trapped cuttings or during servicing may increase the risk of injury.



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