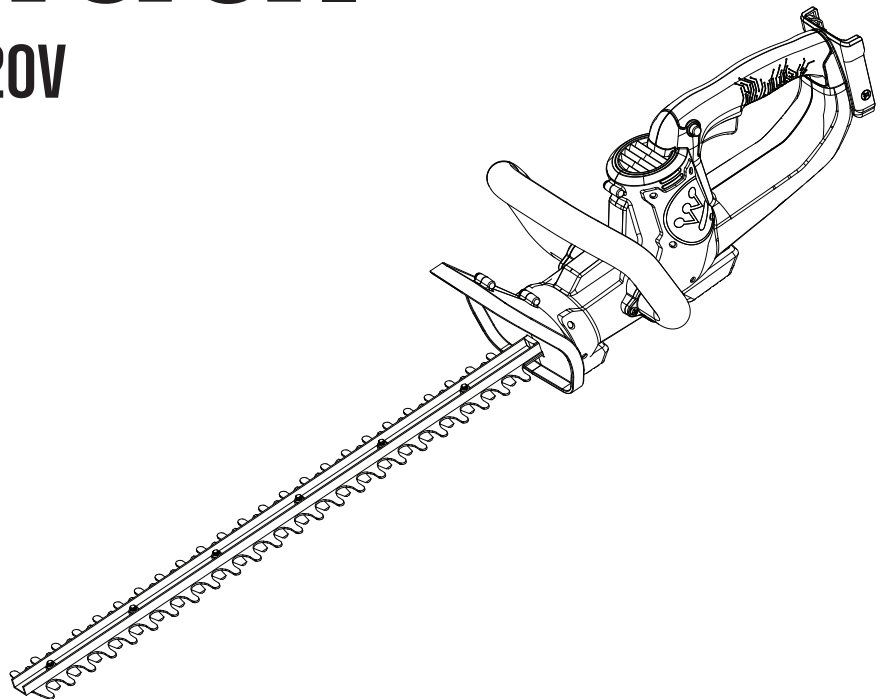




User Manual

WHT 20V / WHTT 20V
22 in. Cordless Hedge Trimmer



DO NOT RETURN THIS PRODUCT TO THE STORE

If you have questions or need assistance, please call customer service at 855-944-3571.

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INTRODUCTION

⚠ WARNING Operating, servicing, and maintaining this equipment may expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, wear gloves or wash your hands frequently when servicing this equipment. For more information go to www.P65warnings.ca.gov.

DISCLAIMERS

All information, illustrations, and specifications in this manual were in effect at the time of publishing. The illustrations used in this manual are intended as representative reference views only. We reserve the right to make any specification or design change without notice.

ALL RIGHTS RESERVED

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⚠ DANGER Read this manual before using or performing maintenance on this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death.

UPDATES

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Or scan the following QR code with your smartphone camera to be directed to the link.



PRODUCT REGISTRATION

For trouble-free warranty coverage, it is important to register your Westinghouse product.

You can register by:

- Completing and mailing the product registration card included in the carton.
- Registering your product on-line at: wpowereq.com/pages/warranty-registration
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For Your Records

Date of Purchase: _____

Model Number: _____

Serial Number: _____

Place of Purchase: _____

- Sending the following product information to:
Westinghouse Outdoor Power
Warranty registration
777 Manor Park Drive
Columbus, OH 43228

IMPORTANT: Keep your purchase receipt for trouble-free warranty coverage.

INTRODUCTION

SPECIFICATIONS

DC Voltage 20V
No Load Speed..... 2600 RPM
Weight 5.1 lbs (2.3 kg)

NOTICE This product is designed for optimal compatibility with the Westinghouse batteries and chargers listed below. Use with any other batteries or chargers not listed below may result in serious personal injury or death.

Model	Motor	Westinghouse Battery Pack	Westinghouse Charger
WHT 20V / WHTT 20V	20V DC	W20V2AH W20V4AH W20V5AH	W20V2AMP W20V2DP

NOTICE This product is designed and rated for continuous operation at ambient temperatures above 23°F (–5°C). If needed, this product can be operated in extremely hot or extremely cold temperatures for short periods. If the product is exposed to extreme temperatures during storage, it should be brought back within the optimal temperature range before operation.

NOTICE Thank you for choosing Westinghouse! PLEASE READ THIS MANUAL BEFORE RETURNING THIS PRODUCT FOR ANY REASON.

If you have a question or experience a problem with your Westinghouse purchase, call us at 1-855-944-3571 to speak with an agent.

RETAIN THIS MANUAL FOR FUTURE REFERENCE.

HAVE QUESTIONS?
Email us at service@wpowereq.com
or call 1-855-944-3571

SAFETY

SAFETY DEFINITIONS

The words **DANGER**, **WARNING**, **CAUTION**, and **NOTICE** are used throughout this manual to highlight important information. Be sure that the meanings of this safety information is known to all who operate, perform maintenance on, or are near the trimmer.

 **DANGER** Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING** Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE Indicates a situation which can cause damage to the trimmer, personal property, and/or the environment, or cause the equipment to operate improperly.

NOTE: Indicates a procedure, practice or condition that should be followed for the trimmer to function in the manner intended.

SAFETY SYMBOLS

Follow all safety information contained in this user manual as well as the information on the product labeling.

SYMBOL	DESCRIPTION
	Safety Alert Symbol. Indicates a potential personal injury hazard.
	Read User Manual. To reduce the risk of injury, user must read and understand user manual before using this product.
	Keep all bystanders 50 ft. away.
	Wear Eye Protection. Always wear eye protection with side shields marked to comply with ANSI Z87.1.
	Thrown objects can ricochet and result in personal injury or property damage.
	Wet Conditions Alert. Do not expose the battery pack, battery compartment, or electronic components to water or rain.
	Wear non-slip, heavy-duty protective gloves when handling the blades.
	Wear non-slip safety footwear when using this equipment.
Hz	Hertz
	No Load Speed
	Direct Current

SAFETY

 **WARNING** **READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions listed below and on the machine may result in electric shock, fire, and/or serious personal injury.

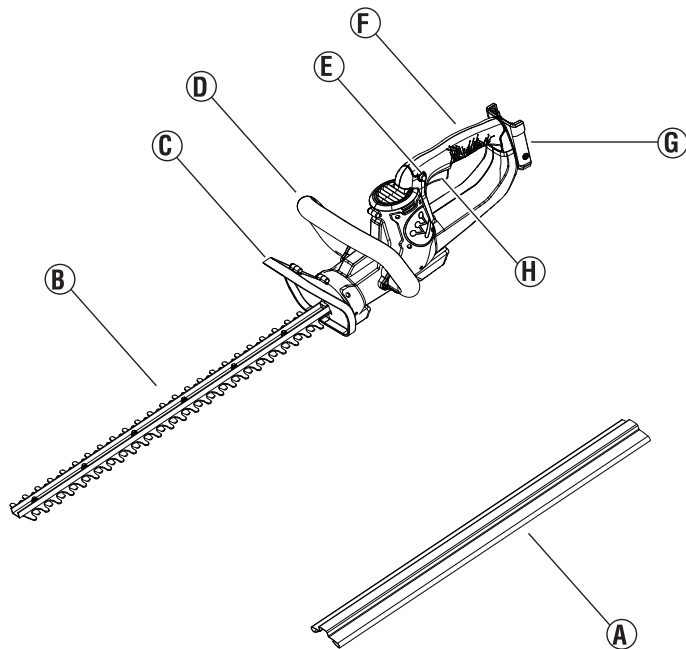
- For safe operation, read and understand all instructions before using this product. Follow all safety instructions. Failure to follow all safety instructions listed can result in serious personal injury.
- Do not allow children or untrained individuals to use this unit.
- Inspect the work area before each use. Remove all objects that can be thrown or become entangled in the machine.
- Always wear eye protection with side shields marked to comply with ANSI Z87.1. Following this rule will reduce the risk of serious personal injury.
- Use Safety Glasses – Wear a face or dust mask if the operation is dusty. Always wear safety glasses with side shields. Everyday glasses have only impact resistant lenses. They are NOT safety glasses. Following this rule will reduce the risk of eye injury.
- Protect your lungs. Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- Dress Properly – Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear heavy, long pants, long sleeves, boots, and gloves. Do not wear short pants, sandals, or go barefoot. Do not wear jewelry of any kind.
- Secure long hair above shoulder level to prevent entanglement in moving parts.
- Keep children away – Keep all bystanders, children, and pets at least 50 ft. away.
- Stay alert – Do not operate this unit when you are tired, ill, upset, or under the influence of alcohol, drugs, or medication.
- Do not operate in poor lighting.
- Keep all body parts away from any moving part on this unit.
- 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.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Avoid Dangerous Environments – Don't expose the hedge trimmer to rain or wet conditions. Water entering the hedge trimmer will increase the risk of electric shock.
- Use Right Appliance – Do not force the tool. Use the correct tool for your application. The correct tool will operate better and safer at the rate for which it is designed.
- Don't Force Appliance – It will operate better and with less likelihood of a risk of injury at the rate for which it was designed.
- Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- Do not overreach – Keep firm footing and balance. Overreaching can result in a loss of balance.
- Avoid accidental starting – Be sure the switch trigger is in the locked or off position before inserting the battery pack. Carrying tools with your finger on the switch trigger or inserting the battery pack into a tool with the switch on increases the risk of injury.
- Do not use the tool if the switch trigger does not turn it on or off. Any tool that cannot be controlled with the switch trigger is dangerous and must be repaired.
- Disconnect battery pack – Disconnect the battery pack from the appliance before servicing or changing accessories. Preventive safety measures reduce the risk of starting the tool accidentally.
- Only use identical replacement parts and accessories from the manufacturer. Use of any other parts may create a hazard or cause product damage.
- Maintain appliance with care – Do not use the hedge trimmer if it is cracked, chipped, or damaged. Keep the handles dry, clean, and free from oil and grease.
- Inspect for damaged parts – Before use of the tool, any part that is damaged should be carefully inspected to determine that it will operate properly and perform its intended function. Inspect for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect the operation.
- Be sure all guards, straps, deflectors and handles are attached securely.
- Never operate the unit without the guard in place and in good condition.
- Maintain a firm grip on both handles while trimming.
- Store idle appliances indoors – When not in use, the hedge trimmer should be stored in a dry, locked place out of the reach of children.
- Inspect the area to be cut. Remove objects that can be thrown or become entangled in the blade.
- Keep the air vents clean and free of debris to avoid over-heating the motor. Clean after each use.

SAFETY

- Before cleaning or performing any maintenance, stop the motor. Wait until all moving parts have come to a complete stop, and remove the battery pack.
- Never use water or any liquids to clean or rinse off the product and do not expose the product to rain or wet conditions. Store indoors in a dry area. Corrosive liquids, water, and chemicals can enter the product's electronic components and/or battery compartment and damage electronic components and/or the battery pack, which can result in a short circuit, increased risk of fire, and serious personal injury. Remove any buildup of dirt and debris by wiping the product clean with a dry cloth occasionally.
- Stop the unit and disconnect the power source when not in use. Only carry the unit when the motor is stopped and blade sheath on the unit.
- Store out of the reach of children.
- Do not hang the unit where the switch trigger is depressed.
- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using the battery tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact occurs, flush skin with water. If liquid contacts eyes, seek medical attention. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 265°F may cause explosion.
- Do not charge the battery tool in rain, or damp or wet location. Following this rule will reduce the risk of electric shock.
- Do not use battery-operated appliances in rain.
- Remove or disconnect the battery when not charging, and before servicing, cleaning, removing material from the appliance, or storing.
- Only use the battery pack with the charger listed.
- Do not dispose of the batteries in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Do not place battery tools or their batteries near fire or heat. This will reduce the risk of explosion and possibly injury.
- Batteries can explode in the presence of a source of ignition. To reduce the risk of serious personal injury, never use any cordless product in the presence of an open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery pack immediately.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash skin immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention.
- Recharge the battery pack only with the charger specified by the manufacturer.
- Use the hedge trimmer only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects that can make a connection from one terminal to another.
- Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have service performed by a qualified repair person using only identical replacement parts.
- Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.
- Retain these instructions. Refer to them frequently and use them to instruct anyone who may use this power tool.

COMPONENTS

Figure 1



UNDERSTANDING THE HEDGE TRIMMER

See Figure 1.

To reduce the risk of personal injury and product failure, read and understand the information in this user manual and the information on the product labeling.

BLADE SHEATH (A)

Provides protection from the blade during transport and while the hedge trimmer is in storage.

BLADE (B)

Trims and shapens hedges and other shrubbery.

GUARD (C)

Provides protection from debris and contact with the trimming blade.

FRONT HANDLE (D)

Provides additional comfort and stability during use.

LOCK-OUT BUTTON (E)

Prevents the hedge trimmer from initiating operation accidentally.

TOP HANDLE (F)

Provides directional control and stability during use.

BATTERY PACK HOUSING (G)

Location of the battery pack for connection and disconnection to the unit.

SWITCH TRIGGER (H)

Initiates operation when squeezed in conjunction with holding the lock-out button. The switch trigger must be held throughout use or the hedge trimmer will not operate.

-
- A - Blade sheath
 - B - Blade
 - C - Guard
 - D - Front handle
 - E - Lock-out button
 - F - Top handle
 - G - Battery pack housing
 - H - Switch trigger
-

ASSEMBLY

REMOVING CARTON CONTENTS

 **WARNING** This product requires assembly. Do not attempt to operate this product if any items in the **INCLUDED LIST** are already assembled when you remove the carton contents. These items are not assembled by the manufacturer and should require customer assembly. Using an improperly assembled product can be hazardous and could result in serious personal injury.

- Carefully open the carton.
- Remove and inspect the carton contents. Verify that all the items in the **INCLUDED LIST** are present and undamaged.
- Recycle or dispose of the packaging materials properly.

INCLUDED LIST:

Hedge trimmer, blade sheath, and user manual.

If any parts are missing, contact our service team at service@wpowereq.com or call 1-855-944-3571.

 **WARNING** Do not alter or modify this product unless instructed otherwise in this manual or by the manufacturer. Do not use attachments or accessories that are not recommended for use with this product. Making unauthorized modifications and using incompatible accessories can damage the unit and may void your warranty.

 **WARNING** Do not connect the hedge trimmer to the battery pack until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

 **WARNING** Always disconnect the battery pack from the hedge trimmer when assembling parts, making adjustments, cleaning, or when not in use.

ATTACHING THE BATTERY PACK

- Insert the battery pack into the battery housing.
- Be sure that the latches on each side of the battery pack lock into place.

 **WARNING** Remove the battery pack and keep hands clear of the lock-out button when carrying or transporting the hedge trimmer.

REMOVING THE BATTERY PACK

- Locate the latches on the side of the battery pack and depress both sides to release the battery pack from the hedge trimmer.

 **WARNING** Battery tools are always in operating condition. Therefore, switch should always be locked with hands free of the lock-out button when not in use. Remove battery pack when transporting or carrying hedge trimmer to avoid accidental starting, which may result in serious injury.

OPERATION



WARNING

Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.



WARNING

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

NOTICE

Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, and caps. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please contact customer service.



WARNING

To avoid serious personal injury, always remove the battery pack and keep hands clear of the lock-out button when carrying or transporting the tool.

STARTING THE HEDGE TRIMMER

- Install the battery pack.
- Press and hold the lockout button. While holding the lockout button, squeeze the switch trigger.
- To stop the hedge trimmer, release the switch trigger.

HOLDING THE HEDGE TRIMMER

- The unit has both a front and top handle. With the blade directed away from you, hold the unit by both handles.



WARNING

Always keep both hands on the hedge trimmer handles. Never hold shrubs with one hand and operate the hedge trimmer with the other. Improper operation of the hedge trimmer may result in serious injury.

OPERATING TIPS



WARNING

Never cut near electric cords or lines. If blade jams on any electrical cord or line, DO NOT TOUCH THE BLADE! IT CAN BECOME ELECTRICALLY LIVE AND VERY DANGEROUS. Continue to hold the hedge trimmer by the insulated rear handle or lay it down and away from you in a safe manner. Disconnect the electrical service to the damaged line or cord before attempting to free the blade from the line or cord. Contact with the blade, other conductive parts of the hedge trimmer, or live electric cords or lines will result in death by electrocution or serious injury.



WARNING

Clear the area to be cut before each use. Remove all objects such as cords, lights, wire, or loose string which can become entangled in the cutting blade and create a risk of serious personal injury.

- Before starting the hedge trimmer, hold the unit with both hands with the cutting blades directed away from you. Always use the hedge trimmer properly.
- Do not force the hedge trimmer through heavy shrubbery. This can cause the blades to bind and slow down. If the blades slow down, reduce the pace.
- Do not try to cut stems or twigs that are larger than 3/4 in. thick, or those obviously too large to feed into the cutting blade. Use a non-powered hand saw or pruning saw to trim large stems.
- If blades do become jammed, stop the motor, allow the blades to stop and remove the battery pack before attempting to remove the obstruction.
- If desired, use a string to help cut your hedge level. Determine the desired height of the hedge and stretch a piece of string along the hedge at this height. Trim the hedge just above this guide line of string. Trim the side of a hedge so that it will be slightly narrower at the top. More of the hedge will be exposed when shaped this way, and it will be more uniform.
- Always hold hedge trimmer with both hands when operating. Use a firm grip on the handles. The unit is used for cutting in either direction in a slow, sweeping action from side to side.
- Wear gloves when trimming thorny or prickly growth.
- When trimming new growth, use a wide sweeping action, so that the stems are fed directly into the cutting blade. Older growth will have thicker stems and will be trimmed easiest by using a sawing movement.

MAINTENANCE



WARNING

Before inspecting, cleaning or servicing the unit, stop the motor, wait for all moving parts to stop, and disconnect the battery pack from the hedge trimmer. Failure to follow these instructions can result in serious personal injury or property damage.



WARNING

Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.



WARNING

Never use water or any liquids to clean or rinse off your product and do not expose the product to rain or wet conditions. Store indoors in a dry area. Corrosive liquids, water, and chemicals can enter the product's electronic components and cause damage, which can result in a short circuit, increased risk of fire, and serious personal injury. Remove any buildup of dirt and debris by wiping the product clean with a dry cloth occasionally.

NOTICE

Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, and caps. Secure all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please contact customer service.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, and grease.



WARNING

Do not let brake fluids, gasoline, petroleum-based products, or penetrating oils come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic which can result in serious personal injury.

LUBRICATING THE BLADE



WARNING

Always allow the blades of the hedge trimmer to come to a stop and remove the battery pack before lubricating. Failure to do so could result in accidental starting causing possible serious personal injury.

NOTE: For easier operation and longer blade life, lubricate the hedge trimmer blade before and after each use.

- Remove the battery pack from the hedge trimmer.
- Lay the hedge trimmer on a flat surface. Apply light weight machine oil along the edge of the top blade.
- Reinstall the battery pack and resume use.

CLEANING THE HEDGE TRIMMER

- Remove the battery pack.
- Remove the blade sheath.
- Clean dirt and debris from the body of the hedge trimmer, using a damp cloth with a mild detergent.

NOTE: Do not use any strong detergents on the plastic housing or the handle. They can be damaged by certain aromatic oils such as pine and lemon, and by solvents such as kerosene.

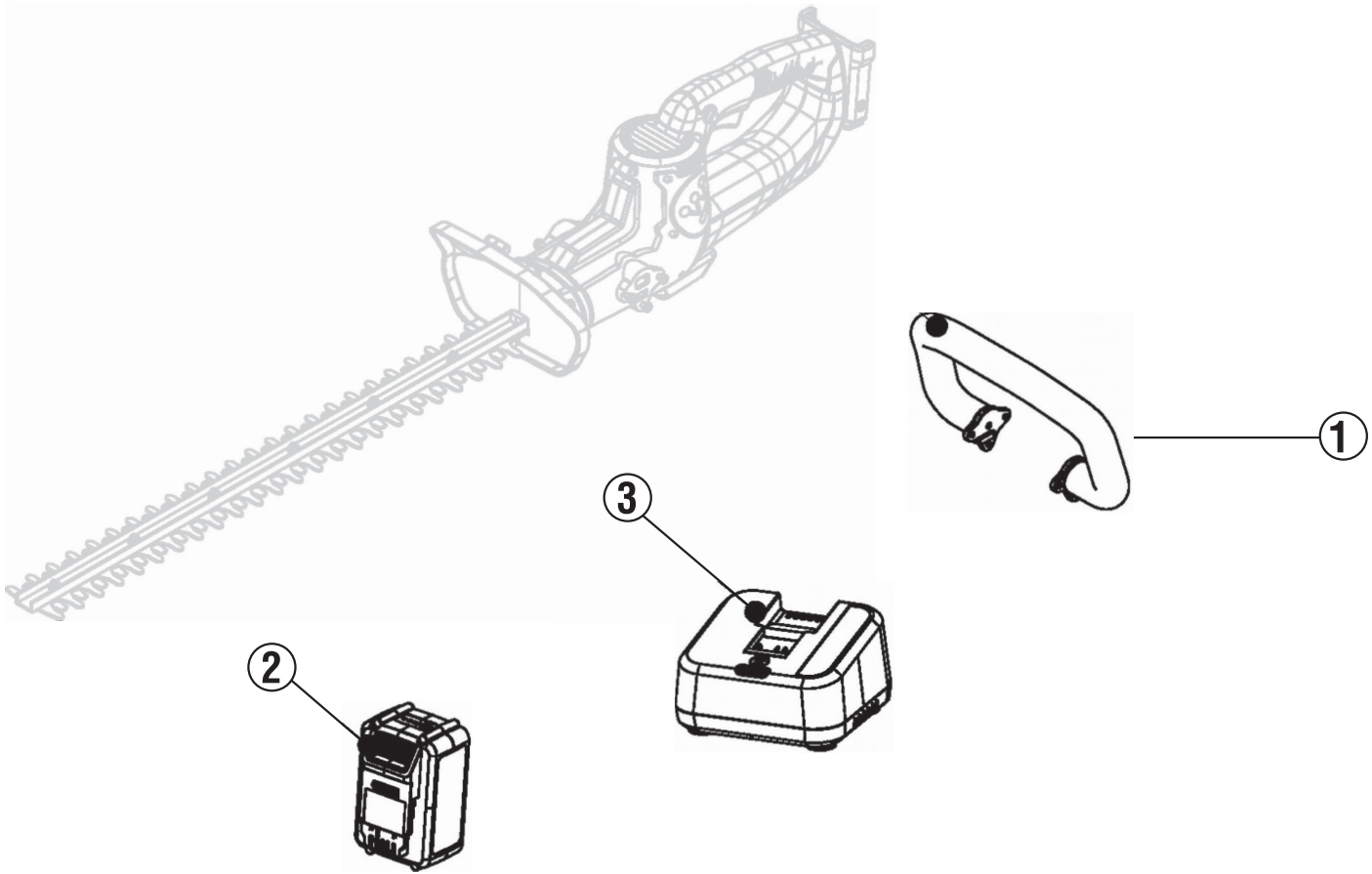
- Moisture can cause a shock hazard. Wipe off any moisture with a soft dry cloth.
- Use a small brush or the air discharge of a small vacuum cleaner brush to clear dust or debris from the air vents on the motor housing.

STORING THE HEDGE TRIMMER

- Remove the battery pack.
- Clean the trimmer.
- Store the trimmer in a location that is inaccessible to children.
- Keep away from corrosive agents..
- Place the blade sheath over the blade of the trimmer.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTION
Trimmer will not start	Battery pack not installed properly	Check battery pack installation
	Battery pack not charged	Check battery pack charging requirements
Battery pack will not charge	Surrounding air temperature too hot or too cold	Move charger and tool to a surrounding air temperature of above 40 degree F (4.5°C) or below 105 degree F (+40.5°C).
	Charger not plugged in	Plug charger into a working outlet. Check current at receptacle by plugging in another appliance. Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights.
	Battery pack not inserted into charger	Insert battery pack into charger until red LED appears



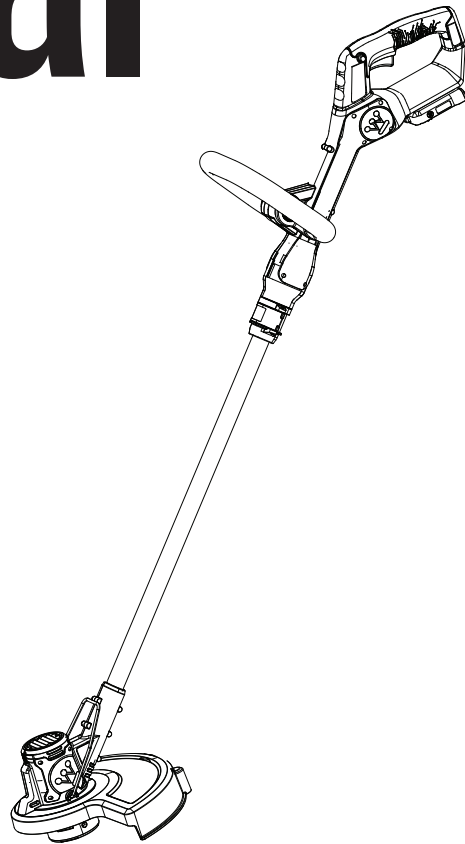
Index Number	Description	Part Number
1	Front Handle	120170001
2	Battery Pack	811400211480013
3	Charger	925005

[illegible]



User Manual

WST 20V / WSTT 20V
12 in. Cordless String Trimmer



DO NOT RETURN THIS PRODUCT TO THE STORE

If you have questions or need assistance, please call customer service at 855-944-3571.

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INTRODUCTION

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UPDATES

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You can register by:

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For Your Records

Date of Purchase: _____

Model Number: _____

Serial Number: _____

Place of Purchase: _____

- Sending the following product information to:
Westinghouse Outdoor Power
Warranty registration
777 Manor Park Drive
Columbus, OH 43228

IMPORTANT: Keep your purchase receipt for trouble-free warranty coverage.

INTRODUCTION

SPECIFICATIONS

DC Voltage 20V
No Load Speed..... 8000 RPM
Cutting Diameter..... 12 in. (7.6 m)

NOTICE This product is designed for optimal compatibility with the Westinghouse batteries and chargers listed below. Use with any other batteries or chargers not listed below may result in serious personal injury or death.

Model	Motor	Westinghouse Battery Pack	Westinghouse Charger
WST 20V / WSTT 20V	20V DC	W20V2AH W20V4AH W20V5AH	W20V2AMP W20V2DP

NOTICE This product is designed and rated for continuous operation at ambient temperatures above 23°F (–5°C). If needed, this product can be operated in extremely hot or extremely cold temperatures for short periods. If the product is exposed to extreme temperatures during storage, it should be brought back within the optimal temperature range before operation.

NOTICE Thank you for choosing Westinghouse! PLEASE READ THIS MANUAL BEFORE RETURNING THIS PRODUCT FOR ANY REASON.

If you have a question or experience a problem with your Westinghouse purchase, call us at 1-855-944-3571 to speak with an agent.

RETAIN THIS MANUAL FOR FUTURE REFERENCE.

HAVE QUESTIONS?
Email us at service@wpowereq.com
or call 1-855-944-3571

SAFETY

SAFETY DEFINITIONS

The words DANGER, WARNING, CAUTION, and NOTICE are used throughout this manual to highlight important information. Be sure that the meanings of this safety information is known to all who operate, perform maintenance on, or are near the string trimmer.

This safety alert symbol appears with most safety statements. It means attention, become alert, your safety is involved! Please read and abide by the message that follows the safety alerts symbol.

⚠ DANGER Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE Indicates a situation which can cause damage to the string trimmer, personal property, and/or the environment, or cause the equipment to operate improperly.

NOTE: Indicates a procedure, practice or condition that should be followed for the string trimmer to function in the manner intended.

SAFETY SYMBOLS

Follow all safety information contained in this user manual as well as the information on the product labeling.

SYMBOL	DESCRIPTION
	Safety Alert Symbol. Indicates a potential personal injury hazard.
	Read User Manual. To reduce the risk of injury, user must read and understand user manual before using this product.
	Keep all bystanders 50 ft. away.
	Wear Eye Protection. Always wear eye protection with side shields marked to comply with ANSI Z87.1.
	DANGER! avoid injury from rotating head – Keep hands, feet, and clothing away.
	Thrown objects can ricochet and result in personal injury or property damage.
	Do not install or use any type of blade on a product displaying this symbol.
	Wet Conditions Alert. Do not expose the battery pack, battery compartment, or electronic components to water or rain.
V	Volts
A	Amperes
Hz	Hertz
	No Load Speed
	Direct Current

SAFETY

 **WARNING** **READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions listed below and on the machine may result in electric shock, fire, and/or serious personal injury.

- For safe operation, read and understand all instructions before using this product. Follow all safety instructions. Failure to follow all safety instructions listed can result in serious personal injury.
- Do not allow children or untrained individuals to use this unit.
- Inspect the work area before each use. Remove all objects that can be thrown or become entangled in the machine.
- Always wear eye protection with side shields marked to comply with ANSI Z87.1. Following this rule will reduce the risk of serious personal injury.
- Use Safety Glasses – Wear a face or dust mask if the operation is dusty. Always wear safety glasses with side shields. Everyday glasses have only impact resistant lenses. They are NOT safety glasses. Following this rule will reduce the risk of eye injury.
- Protect your lungs. Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- Dress Properly – Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear heavy, long pants, long sleeves, boots, and gloves. Do not wear short pants, sandals, or go barefoot. Do not wear jewelry of any kind.
- Secure long hair above shoulder level to prevent entanglement in moving parts.
- Keep children away – Keep all bystanders, children, and pets at least 50 ft. away.
- Stay alert – Do not operate this unit when you are tired, ill, upset, or under the influence of alcohol, drugs, or medication.
- Do not operate in poor lighting.
- Keep all body parts away from any moving part on this unit.
- 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.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Avoid Dangerous Environments – Don't expose the string trimmer to rain or wet conditions. Water entering the string trimmer will increase the risk of electric shock.
- Use Right Appliance – Do not force the tool. Use the correct tool for your application. The correct tool will operate better and safer at the rate for which it is designed.
- Don't Force Appliance – It will operate better and with less likelihood of a risk of injury at the rate for which it was designed.
- Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- Do not overreach – Keep firm footing and balance. Overreaching can result in a loss of balance.
- Avoid accidental starting – Be sure the switch trigger is in the locked or off position before inserting the battery pack. Carrying tools with your finger on the switch trigger or inserting the battery pack into a tool with the switch on increases the risk of injury.
- Do not use the tool if the switch trigger does not turn it on or off. Any tool that cannot be controlled with the switch trigger is dangerous and must be repaired. Contact Customer Service.
- Disconnect battery pack – Disconnect the battery pack from the appliance before servicing or changing accessories. Preventive safety measures reduce the risk of starting the tool accidentally.
- Only use identical accessories from the manufacturer. Use of any other parts may create a hazard or cause product damage.
- Maintain appliance with care – Replace the string head if it is cracked, chipped, or damaged. Be sure the string head is installed properly and fastened securely. Failure to do so can cause serious injury. Keep the handles dry, clean, and free from oil and grease.
- Inspect for damaged parts – Before use of the tool, any part that is damaged should be carefully inspected to determine that it will operate properly and perform its intended function. Inspect for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect the operation.
- Be sure all guards, straps, deflectors and handles are attached securely.
- Use only the recommended replacement line in the cutting head. Do not use any other cutting attachment. To install any other brand of cutting head to this string trimmer can result in serious personal injury.
- Never operate the unit without the guard in place and in good condition.
- Maintain a firm grip on both handles while trimming. Keep the string head below waist level. Never use with the string head located over 30 in. or more above the ground.

SAFETY

- Store idle appliances indoors – When not in use, the string trimmer should be stored in a dry, locked place out of the reach of children.
- Never use blades, flailing devices, wire or rope. The unit is designed for line trimmer use only. Use of any other accessories or attachments increase the risk of injury.
- Inspect the area to be cut. Remove objects that can be thrown or become entangled in the cutting head.
- Keep the air vents clean and free of debris to avoid over-heating the motor. Clean after each use.
- Before cleaning or performing any maintenance, stop the motor. Wait until all moving parts have come to a complete stop, and remove the battery pack.
- Never use water or any liquids to clean or rinse off the product and do not expose the product to rain or wet conditions. Store indoors in a dry area. Corrosive liquids, water, and chemicals can enter the product's electronic components and/or battery compartment and damage electronic components and/or the battery pack, which can result in a short circuit, increased risk of fire, and serious personal injury. Remove any buildup of dirt and debris by wiping the product clean with a dry cloth occasionally.
- Stop the unit and disconnect the power source when not in use. Only carry the unit when the motor is stopped.
- Store out of the reach of children.
- Do not hang unit so that the switch trigger is depressed.
- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using the battery tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- Under abusive conditions, liquid may be ejected from the battery pack; avoid contact. If contact occurs, flush skin with water. If liquid contacts eyes, seek medical attention. Liquid ejected from the battery pack may cause irritation or burns.
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 265°F may cause explosion.
- Do not charge the battery tool in rain, or damp or wet location. Following this rule will reduce the risk of electric shock.
- Do not use battery-operated appliances in rain.
- Remove or disconnect the battery pack when not charging, and before servicing, cleaning, removing material from the appliance, or storing.
- Only use the battery pack with the charger listed.
- Do not dispose of the batteries in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Do not place battery tools or their batteries near fire or heat. This will reduce the risk of explosion and possibly injury.
- Batteries can explode in the presence of a source of ignition. To reduce the risk of serious personal injury, never use any cordless product in the presence of an open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery pack immediately.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash skin immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention.
- Recharge the battery pack only with the charger specified by the manufacturer.
- Use the string trimmer only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects that can make a connection from one terminal to another.
- Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.
- Retain these instructions. Refer to them frequently and use them to instruct anyone who may use this power tool.

COMPONENTS

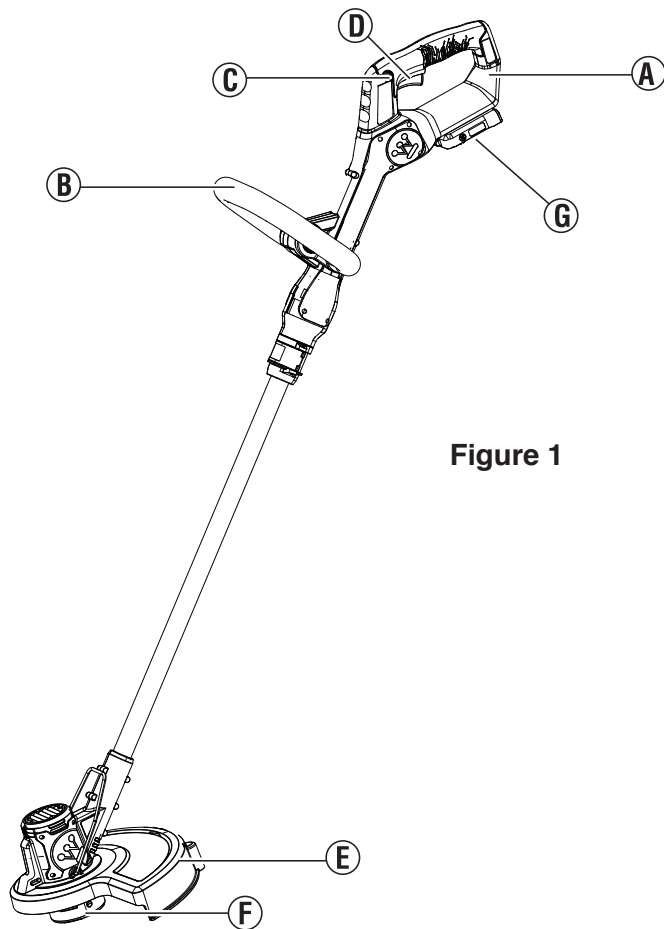


Figure 1

UNDERSTANDING THE STRING TRIMMER

See Figure 1.

To reduce the risk of personal injury and product failure, read and understand the information in this user manual and the information on the product labeling.

TOP HANDLE (A)

Provides directional control and stability during use.

FRONT HANDLE (B)

Provides additional comfort and stability during use.

LOCK-OUT BUTTON (C)

Prevents the string trimmer from initiating operation accidentally.

SWITCH TRIGGER (D)

Initiates operation when squeezed in conjunction with holding the lock-out button. The switch trigger must be held throughout use or the string trimmer will not operate.

GUARD (E)

Provides protection from debris and contact with the trimming wire.

SPOOL HOUSING (F)

Storage for the wire used during operation.

BATTERY PACK HOUSING (G)

Location of the battery pack for connection and disconnection to the unit.

-
- A - Top handle
 - B - Front handle
 - C - Lock-out button
 - D - Switch trigger
 - E - Guard
 - F - Spool housing
 - G - Battery pack housing
-

ASSEMBLY

REMOVING CARTON CONTENTS

⚠ WARNING This product requires assembly. Do not attempt to operate this product if any items in the **INCLUDED LIST** are already assembled when you remove the carton contents. These items are not assembled by the manufacturer and should require customer assembly. Using an improperly assembled product can be hazardous and could result in serious personal injury.

- Carefully open the carton.
- Remove and inspect the carton contents. Verify that all the items in the **INCLUDED LIST** are present and undamaged.
- Recycle or dispose of the packaging materials properly.

INCLUDED LIST

Front handle, guard, top handle and spool housing, and user manual.
If any parts are missing, contact our service team at service@wpow-ereq.com or call 1-855-944-3571.

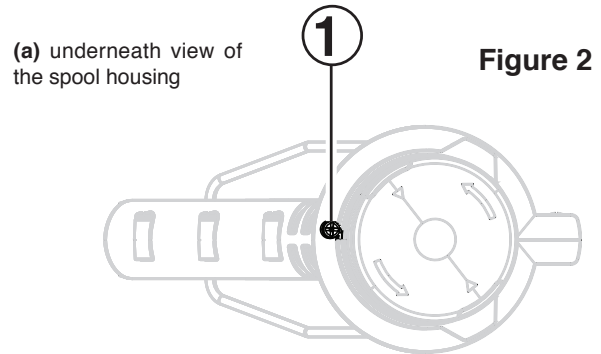
⚠ WARNING Do not alter or modify this product unless instructed otherwise in this manual or by the manufacturer. Do not use attachments or accessories that are not recommended for use with this product. Making unauthorized modifications and using incompatible accessories can damage the unit and may void your warranty.

⚠ WARNING Do not connect the string trimmer to the battery pack until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

ATTACHING THE GUARD TO THE SPOOL HOUSING

See Figure 2.

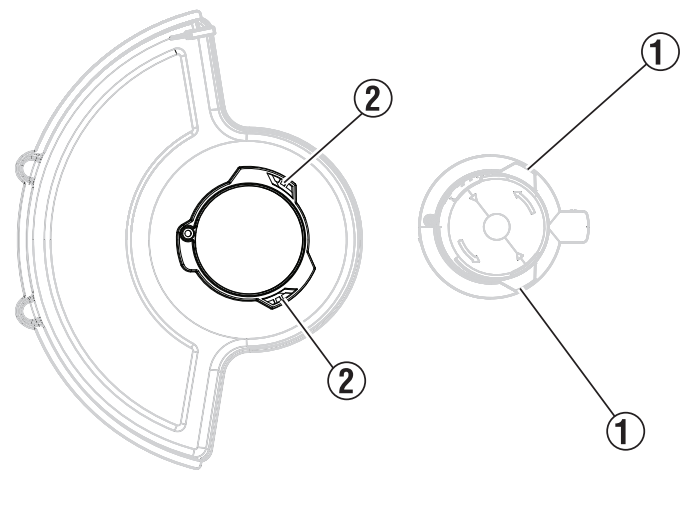
- Remove the screw (1) from the spool housing. Keep the screw for use later.



See Figure 3.

- Attach the guard to the spool housing.
- Align the markers on the guard (2) with the markers on the spool housing (1). Rotate the guard until the markers on the guard are secured into place.

Figure 3



ASSEMBLY

See Figure 4.

- With the guard (2) attached to the spool housing (1), secure the guard to the spool housing with the screw (3).

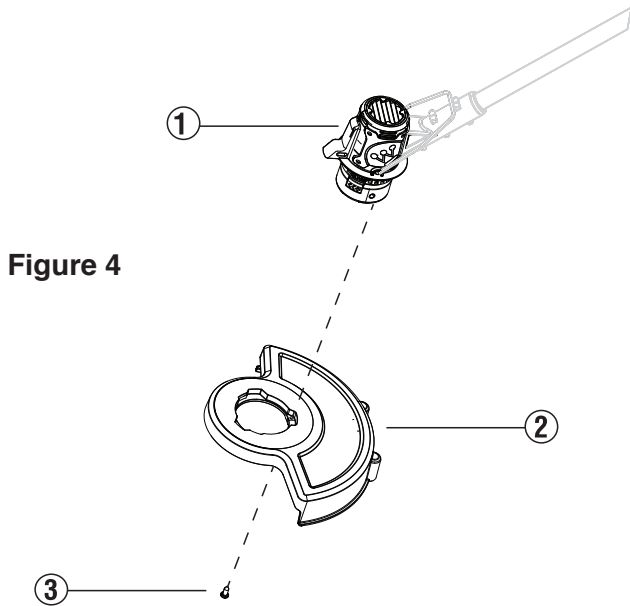


Figure 4

ATTACHING THE FRONT HANDLE TO THE STRING TRIMMER ASSEMBLY

See Figure 5.

- Press the front handle (2) on the attachment body (1) on the string trimmer. The front handle will click and lock in place.

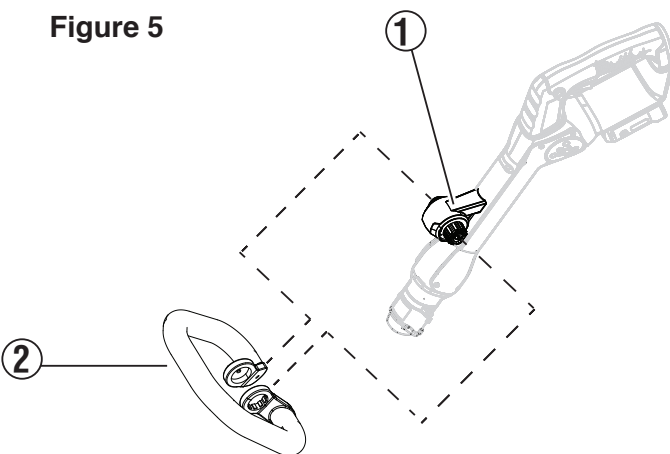


Figure 5

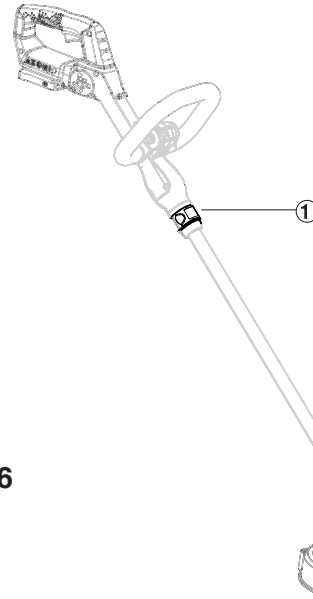


Figure 6

USING THE TELESCOPIC FUNCTION

See Figure 6.

- Raise the latch (1) from the body of the string trimmer.
- Extend the tube as needed to the desired length.
- Close the latch to lock the tube in place.

⚠ WARNING Always disconnect the battery pack from the string trimmer when assembling parts, making adjustments, cleaning, or when not in use.

ATTACHING THE BATTERY PACK

- Insert the battery pack into the battery housing.
- Be sure that the latches on each side of the battery pack lock into place.

⚠ WARNING Remove the battery pack and keep hands clear of the lockout button when carrying or transporting the string trimmer.

OPERATION



WARNING Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.



WARNING Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

NOTICE

Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, and caps. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please contact customer service.



WARNING To avoid serious personal injury, always remove the battery pack and keep hands clear of the lock-out button when carrying or transporting the tool.

STARTING THE STRING TRIMMER

- Install the battery pack.
- Press and hold the lockout button. While holding the lockout button, squeeze the switch trigger.
- To stop the string trimmer, release the switch trigger.

OPERATING TIPS

- Keep a firm grip with both hands while in operation.
- The string trimmer should be held at a comfortable position with the top handle about hip height.
- Cut tall grass from the top down. This will prevent grass from wrapping around the boom housing and string head which may cause damage from overheating.
- If grass becomes wrapped around the string head:
 - Remove the battery pack.
 - Remove the grass.
- Keep the trimmer tilted toward the area being cut; this is the best cutting area.
- The string trimmer cuts when passing the unit from side to side. This will avoid throwing debris at the operator. Avoid cutting in the dangerous area shown.
- Use the tip of the line to do the cutting; do not force string head into uncut grass.
- Wire and picket fences cause extra line wear, even breakage. Stone and brick walls, curbs, and wood may wear line rapidly.
- Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the line.



WARNING Always hold the string trimmer away from the body. Keep clearance between the body and the string trimmer. Any contact with the string trimmer cutting head while operating can result in serious personal injury.

ADVANCING THE TRIMMER LINE

NOTICE

The trimmer is equipped with an auto-feed head. Bumping the head to try to advance the line will damage the trimmer and void the warranty.

- With the trimmer running, release the switch trigger.
- Wait two seconds, and press the switch trigger.

NOTICE

The line will extend approximately 1/4 in. with each stop and start of the switch trigger until the line reaches the length of the grass deflector cut-off blade.

- Resume trimming.

ADVANCING THE LINE MANUALLY

- Remove the battery pack.
- Push the button located on the string head while pulling on line to manually advance the line.

ADJUSTING THE LINE CUT-OFF BLADE

This trimmer is equipped with a line cut-off blade on the grass deflector. For best cutting, advance line until it is trimmed to length by the line cut-off blade. Advance line whenever you hear the engine running faster than normal, or when trimming efficiency diminishes. This will maintain best performance and keep line long enough to advance properly.

This trimmer is currently set at the 11 in. cutting swath. To adjust to a cutting swath of 13 in.

- Remove the battery pack.
- Loosen the blade screw then rotate the line cut-off blade 180°.
- Tighten the blade screw.

MAINTENANCE

⚠ WARNING Before inspecting, cleaning or servicing the unit, stop the motor, wait for all moving parts to stop, and disconnect the battery pack from the string trimmer. Failure to follow these instructions can result in serious personal injury or property damage.

⚠ WARNING Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

NOTICE Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, and caps. Secure all fasteners and caps. Do not operate this product if parts are missing or damaged. Please contact customer service.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, and grease.

⚠ WARNING Do not let brake fluids, gasoline, petroleum-based products, or penetrating oils come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic which can result in serious personal injury.

SPOOL REPLACEMENT

Use only 0.065 in. diameter round or twisted or 0.080 in. diameter twisted line. Use original manufacturer's replacement line for best performance.

- Remove the battery pack.
- Push in tabs on side of spool retainer.
- Pull spool retainer up to remove.
- Remove the old spool.
- To install the new spool, be sure the line is captured in the slot on the new spool. Be sure the end of the line is extended approximately 6 in. beyond the slot.
- Install the new spool so that the line and slot align with the eyelet in the string head. Thread the line into the eyelet.
- Pull the line extending from the string head so the line releases from the slot in the spool.
- Reinstall the spool retainer by depressing tabs into slots and pushing down until spool retainer clicks into place.

LINE REPLACEMENT

- Remove the battery pack.
- Remove the spool from the string head.

NOTE: Remove any old line remaining on the spool.

- Cut a piece of line approximately 9 ft. long.
- Use only 0.065 in. diameter round or twisted or 0.080 in. diameter twisted line.
- Insert the line into the anchor hole in the upper part of the spool. Wind the line around the upper part of the spool clockwise, as shown by the arrows on the spool. Place line in the slot on upper spool flange, leaving about 6 in. extended beyond the slot. Do not overfill. After winding the line, there should be at least 1/4 in. between the wound line and the outside edge of the spool.
- Replace the plastic retainer, spool, and the spool retainer.

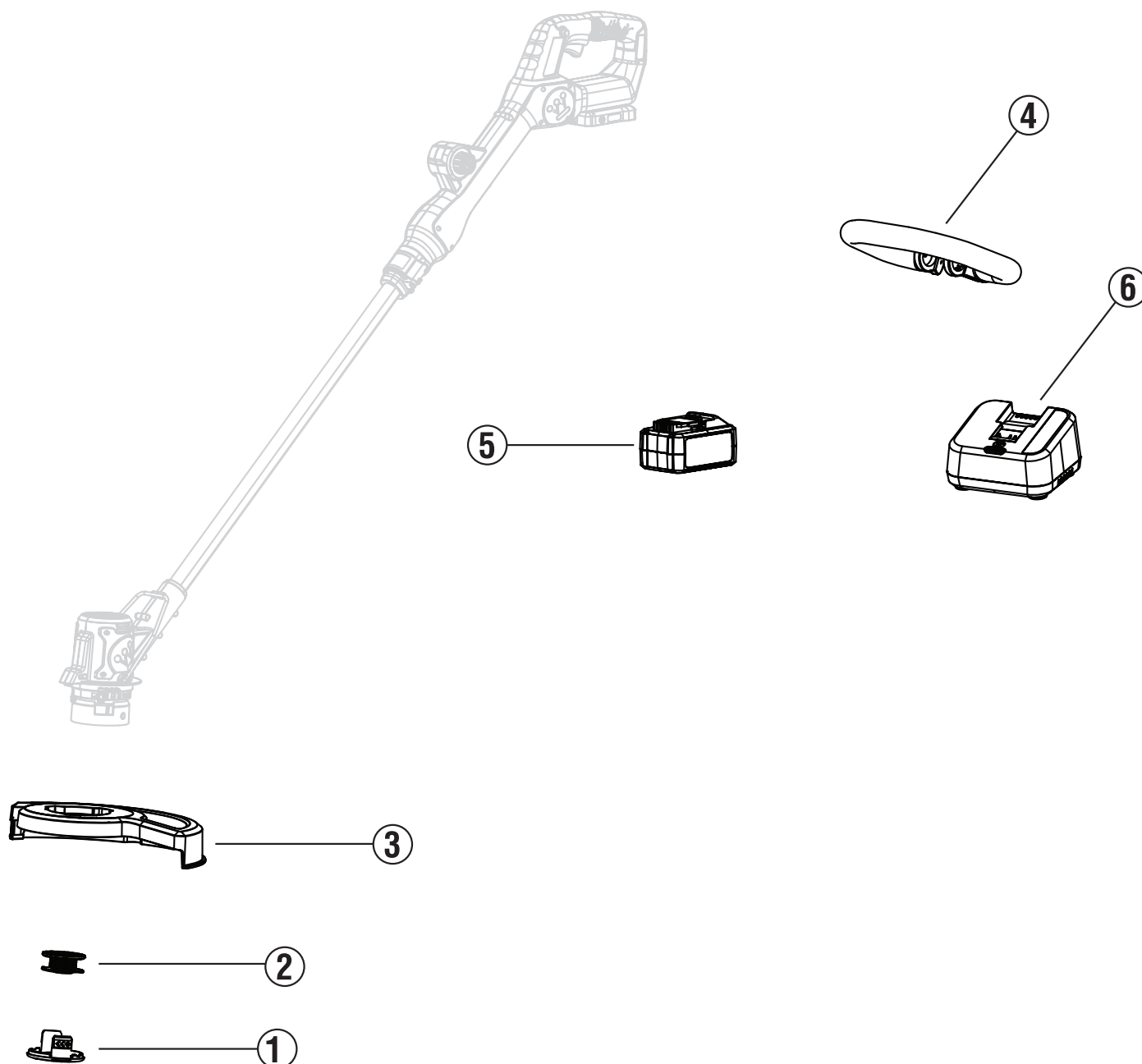
STORING THE STRING TRIMMER

- Remove the battery pack.
- Clean all foreign material from the trimmer.
- Store it in a place that is inaccessible to children.
- Keep away from corrosive agents..

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTION
Trimmer runs slowly	Check that the spool housing can rotate freely	Carefully clean it if necessary
	Check that the cutting line does not protrude more than approximately 5-3/8 inches (136mm) from the spool.	If it does, cut it off so that it just reaches the line trimming blade.
Trimmer will not start	Battery pack not installed properly	Check battery pack installation
	Battery pack not charged	Check battery pack charging requirements
Battery pack will not charge	Surrounding air temperature too hot or too cold	Move charger and tool to a surrounding air temperature of above 40 degree F (4.5°C) or below 105 degree F (+40.5°C).
	Charger not plugged in	Plug charger into a working outlet. Check current at receptacle by plugging in a lamp or other appliance. Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights.
	Battery pack not inserted into charger	Insert battery pack into charger until red LED appears

PARTS PAGE



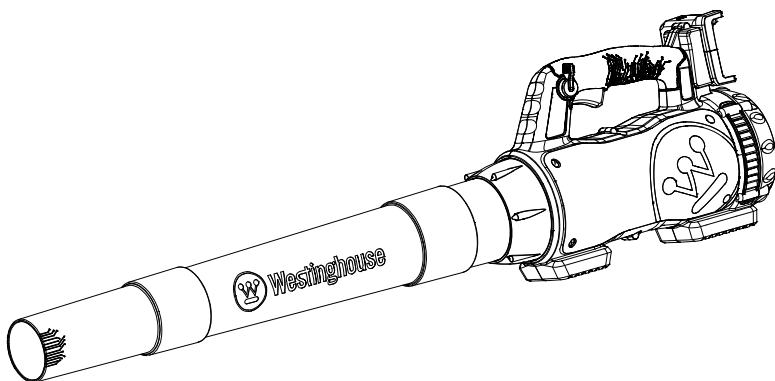
Index Number	Description	Part Number
1	Lower cover of mower head	120180001
2	Single release cable pack	120190001
3	Kit guard	120160001
4	Assistant handle	120170002
5	Battery pack	811400211480013
6	Charger	925005

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User Manual

**WLB 20V / WLBT 20V
CORDLESS BLOWER**



DO NOT RETURN THIS PRODUCT TO THE STORE

If you have questions or need assistance, please call customer service at 855-944-3571.

SAFETY GUIDELINES - DEFINITIONS

It is important to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS. The symbols below are used to help you recognize this information.

⚠ DANGER: Indicates an imminently hazardous situation which, if not avoided will result in death or serious injury.

⚠ WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE: Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

DISCLAIMERS:

All information, illustrations and specifications in this manual are based on the latest information available at the time of publishing. The illustrations used in this manual are intended as representative reference views only. Moreover, because of our continuous product improvement policy, we may modify information, illustrations and/or specifications to explain and/or exemplify a product, service or maintenance improvement. We reserve the right to make any change at any time without notice. Some images may vary depending upon which model is shown.

ALL RIGHTS RESERVED:

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⚠ DANGER: This manual contains important instructions for operating this product. For your safety and the safety of others, be sure to read this manual thoroughly before operating the equipment. Failure to properly follow all instructions and precautions can cause you and others to be seriously hurt or killed.

BLOWER SPECIFICATIONS

Model	Motor	Air Speed	Air Volume	Westinghouse Battery Pack	Battery Charger
WLB 20V WLB 20V	20V DC	110 MPH	350 CFM	W20V2AH W20V4AH W20V5AH	W20V2AMP W20V2DP

WHAT COMES WITH TOOL

- Blower body
- Blower tube
- Blower tip
- Warranty
- Battery (WLB 20V)
- Charger (WLB 20V)
- User manual

⚠ WARNING

Some dust created by this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- compounds in fertilizers
- compounds in insecticides, herbicides and pesticides
- arsenic and chromium from chemically treated lumber

To reduce your exposure to these chemicals, wear approved safety equipment such as dust masks that are specially designed to filter out microscopic particles.

SAFETY SYMBOLS

The following symbols may be used on this product. These symbols facilitate safe and efficient operation of the product.

Symbols	Name	Designation/Explanation
V	Volts	Voltage
A	Amperes	Current
W	Watts	Power
min	Minutes	Time
~	Alternating Current	Type of current
==	Direct Current	Type or a characteristic of current
/min	Per Minute	Revolutions, strokes, surface speed, orbits, per minute
	Wet Conditions Alert	Do not expose to rain or use in damp locations
	Read the User Manual	To reduce the risk of injury, the user must read and understand the user manual before using this product.
	Eye Protection	Always wear eye protection with side shields marked to comply with ANSI Z87.1 when operating this equipment.
	Safety Alert	Precautions that involve safety.
	Long Hair	Failure to keep long hair away from the air inlet could result in personal injury.
	Loose Clothing	Failure to keep loose clothing from being drawn into air intake could result in personal injury.
	Keep Bystanders Away	Keep all bystanders at least 50 ft. away.
	Blower Tubes	Do not operate without tubes in place.
	Impeller Blades	Rotating impeller blades can cause severe injury.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	Wet Conditions Alert	Do not expose battery, battery compartment, electrical components to rain, water, or liquids. Do not charge battery or expose product to rain or damp locations.

SAFETY INFORMATION

IMPORTANT SAFETY WARNINGS & INSTRUCTIONS

WARNING: TO REDUCE RISK OF INJURY:

- Before use, be sure everyone using this unit reads and understands all safety instructions and other information contained in this manual.
- Keep these instructions and review them before use and while instructing others to use the product.
- Do not point unit discharge at self or bystanders.
- Keep long hair and loose clothing away from openings and moving parts.

 **WARNING:** When using an electric tool, basic safety precautions should always be followed to reduce risk of fire, electric shock, and personal injury.

 **WARNING:** Be aware of your surroundings when the blower is in use. Dust may contain harmful chemicals. Be sure to wear the approved safety equipment.

GENERAL SAFETY WARNINGS FOR THE BLOWER BEFORE USING

WARNING: To reduce the risk of fire, electric shock, or injury:

- Do not leave the appliance unattended when it is in operation. Disconnect the battery pack from the blower when it is not in use and before maintenance is performed.
- Do not clean the blower on steps or stairs.
- Only use the blower for the use prescribed in the manual. Only use the recommended attachments of the manufacturer.
- Keep the blower inside when it is not in use. Do not expose to rain or water. Avoid direct sunshine.
- Do not use the blower with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, and all body parts away from openings and moving parts.
- Be sure that all of the controls are off before disconnecting the blower from the battery pack.
- Do not use the blower where flammable or combustible materials are located.

WHEN USING

- Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- Do not operate power tools in near explosive materials.
- For household use only.
- Wear eye protection that is compliant with ANSI Z87.1 when operating this product.
- Only use 20V Westinghouse batteries (W20V2AH/W20V4AH/W20V5AH).
- Only use Westinghouse charger (W20V2AMP/W20V2DP).
- **DO NOT** operate the blower if tired, ill, or under the influence of alcohol, drugs, or medication.
- Do not operate in poor lighting.
- Keep all body parts away from any moving parts and all hot surfaces of the blower.
- Do not put any object into openings. Do not use with any opening blocked. Keep openings free of dust, lint, hair, and anything that may reduce air flow.
- Check the work area before each use. Remove all objects that can be thrown or become entangled in the machine.
- Only use replacement accessories from the manufacturer. Use of any other parts may create a

SAFETY INFORMATION

hazard or cause product damage.

- Keep all bystanders, children, and pets at least 50 ft. (15 m) away.
- Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear.
- Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- Secure long hair so it is above shoulder level to prevent entanglement in any moving parts.
- Keep level footing and balance.

GENERAL SAFETY WARNINGS AND INSTRUCTIONS FOR ALL TOOLS

- **A BATTERY OPERATED UNIT** with integral batteries or a separate battery pack must be re-charged only with the specified charger for the battery. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
- **USE BATTERY OPERATED UNIT ONLY** with Westinghouse 20V battery pack. Use of any other batteries may create a risk of fire.
- **AVOID** accidental starting. Be sure the switch is in the off position before inserting battery pack. Carrying units with your finger on the switch or inserting the battery pack into a unit with the switch on may result in accidents.
- **DO NOT** use the blower if the switch does not turn it on or off. A blower that cannot be turned on or off with the switch is dangerous, please contact Customer Service for troubleshooting.
- **DISCONNECT** the battery pack from the unit or place the switch in the locked or off position before making any adjustments, changing accessories, or storing the unit.
- **ALWAYS WEAR EYE PROTECTION** – Only wear the approved safety glasses or goggles at all times when this unit is in use. Also use face or dust mask.
- **DO NOT** place outlet of sweeper near eyes or ears when operating.
- **STORE IDLE UNITS.** When not in use, the blower should be stored in a dry, high or locked-up place - out of reach of children.
- **DON'T OVERREACH.** Keep level footing and balance at all times.
- **MAINTAIN UNIT WITH CARE.** Keep the blower clean for best and safest performance. See the instructions for proper maintenance.
- **To ensure product safety and reliability, repairs, maintenance, and adjustments should NOT be performed. Contact Customer Service for assistance with any questions..**
- **DO NOT** operate the blower near flammable or combustible materials.
- **AVOID DANGEROUS ENVIRONMENTAL CONDITIONS** – Do not use the blower in damp or wet locations. Don't use the blower in the rain.
- **STAY ALERT** - Do not operate the blower when tired.
- **USE THE RIGHT UNIT** – Do not use blower for any purpose other than that for which it is intended.
- **DO NOT** clean the blower on steps or stairs.
- **NOT RECOMMENDED** for use by children.
- **DO NOT** attempt to clear debris from unit without removing battery.
- **ONLY USE** as described in this manual. Only use the attachments recommended by the manufacturer.
- **DO NOT** put any objects into openings. Do not use with any opening blocked; keep free of dust, lint, hair and everything that may reduce air flow.
- **KEEP** hair, loose clothing, and body parts away from openings and moving parts.
- **DO NOT** immerse any part of the unit in liquid.
- **DO NOT** handle charger, including charger plug, and charger terminals with wet hands.

SAFETY INFORMATION

- **KEEP CHILDREN, BYSTANDERS AND ANIMALS AWAY** from the work area a minimum of 50 ft (15 m) when starting or operating the unit.
- **INSPECT THE AREA** before using the blower. Remove all debris and hard objects that can ricochet, be thrown, or otherwise cause injury or damage during operation.
- **ONLY USE** the charger supplied by the manufacturer to recharge.
- **USE CAUTION** in handling batteries in order not to short the battery with conducting materials such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.
- **DO NOT OPEN** the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- **DO NOT CHARGE** the blower outdoors.

⚠ WARNING: Do not expose the blower to liquid. Do not use near moisture or wet surfaces. Be sure to keep the unit in a cool, dry storage area when it is not being used.

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CHARGERS

- ⚠ **WARNING:** Shock hazard. Do not allow any liquid to get inside charger.
- ⚠ **CAUTION:** Burn hazard. To reduce the risk of injury, charge only designated Westinghouse batteries. Other types of batteries may burst causing personal injury and damage.
- ⚠ **CAUTION:** Under certain conditions, with the charger plugged in to the power supply, the charger can be shorted by foreign material. Foreign materials of a conductive nature should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug the charger before cleaning.
- **DO NOT** attempt to charge the battery pack with any chargers other than the chargers listed in this manual. The charger and battery pack are specifically designed to work together.
- These chargers are not intended for any uses other than charging designated Westinghouse rechargeable batteries. Any other uses may result in risk of fire, electric shock or electrocution.
- **DO NOT** expose charger to rain or snow.
- Disconnect the charger from the power supply by pulling the plug.
- Be sure that the cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- **DO NOT** use an extension cord unless it is necessary. The use of improper extension cord could result in risk of fire, electric shock, or electrocution.
- **DO NOT** operate the charger with damaged cord or plug. If the cord or plug is damaged, contact Customer Service.
- **DO NOT** operate the charger if it has been dropped, or damaged in any way. Contact Customer Service.
- **DO NOT** disassemble the charger. Contact Customer Service when maintenance or repair is required. Incorrect reassembly may result in a risk of electric shock, electrocution or fire.
- Disconnect the charger from the power supply before cleaning. This will reduce the risk of electric shock.
- **NEVER** attempt to connect two chargers together.
- The charger is designed to operate on standard household electrical power (120 V). Do not use it on any other voltage.
- An extension cord should not be used unless necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, be sure:
 - a. That pins on the plug of extension cord are the same number, size and shape as those of the plug on the charger.

SAFETY INFORMATION

- b. The extension cord is properly wired and in good electrical condition;
- c. The wire size is large enough for AC ampere rating of charger as specified below:

Cord Length (ft)	25'	50'	100'
Cord Size (AWG)	16	16	16

IMPORTANT SAFETY INSTRUCTION FOR BATTERY PACKS

⚠ WARNING: Read this manual and the manuals provided with the tools before using the charger. The battery pack is not fully charged out of the carton. Read the instructions below before using the battery pack and charger. Follow the correct charging procedures.

READ ALL INSTRUCTIONS

- **DO NOT** incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire. Toxic fumes and materials are created when battery packs are burned.
- **DO NOT** charge or use the battery near flammable or combustible areas.
- If battery liquid comes into contact with the skin, immediately wash area with mild soap and water. If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte for lithium-ion batteries is composed of a mixture of liquid organic carbonates and lithium salts.
- Contents of opened battery cells may cause respiratory irritation. If symptoms persist, seek medical attention.

⚠ WARNING: Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

- Charge the battery packs only in Westinghouse chargers.
- **DO NOT** splash or immerse in water or other liquids. This may cause premature cell failure.
- Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 105°F (40°C) (such as outside sheds or metal buildings in summer).

⚠ WARNING: Never open the battery pack for any reason. If the battery pack casing is cracked or damaged, do not insert it into the charger. Avoid crushing, dropping, or damaging the battery pack. Do not use a battery pack or charger that has been dropped, run over, or otherwise damaged. For disposal of damaged battery packs, contact your local waste management service for proper recycling procedures.

⚠ WARNING: Fire hazard. Do not store or carry the battery where metal objects can contact exposed battery terminals. Transporting batteries can possibly cause fires if the battery terminals inadvertently come in contact with conductive materials. The US Department of Transportation Hazardous Material Regulations (HMR) prohibits transporting batteries in commerce or on airplanes (i.e., packed in suitcases and carry on luggage) UNLESS they are properly protected from short circuits. Be sure that the battery terminals are protected and insulated from materials that may contact them and cause a short circuit when transporting individual batteries. **NOTE:** Lithium-ion batteries should not be put in checked baggage.

SAFETY INFORMATION

STORAGE RECOMMENDATIONS

1. The optimal storage place is cool and dry, away from direct sunlight and excess heat or cold.
2. Extended storage time will not harm the battery pack or charger.

CHARGING PROCEDURE:

Battery packs are shipped in a low charge condition to prevent possible problems. Charge the battery packs before first use. Contact Customer Service if battery does not charge. Charge time varies and is dependent upon the amp hour capacity of battery pack.

- Be sure the power supply is normal household voltage, 120 V, AC only, 60 Hz.
- Connect the charger to a power supply.
- Attach the battery pack to the charger by aligning the raised ribs on the battery pack with the grooves in the charger, then slide the battery pack onto the charger.
- Press down on the battery pack to be sure contacts on the battery pack engage properly with contacts in the charger.
- Do not place the charger in an area of extreme heat or cold. It will work best at normal room temperature.
- The battery pack will become slightly warm to the touch while charging. This is normal and does not indicate a problem.
- The green LED light remains on after charging is complete.
- Pull the battery pack up to remove the battery pack from the charger.

IMPORTANT CHARGING NOTES

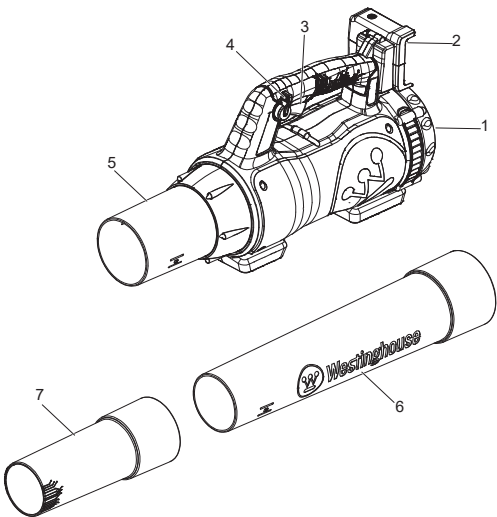
1. Optimal performance can be obtained if the battery pack is charged when the air temperature is between 65°F and 75°F (18°- 24°C). **DO NOT** charge the battery pack in an air temperature below +40°F (+4.5°C), or above +105°F (+40.5°C).
2. The charger and battery pack may become warm to touch while charging. This is a normal condition and does not indicate a problem. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment.
3. If the battery pack does not charge properly:
 - a. Check the electrical current at the receptacle by plugging in a lamp or other appliance.
 - b. Check to see if the receptacle is connected to a light switch that turns off power.
 - c. Move the charger and battery pack to a location where the surrounding air temperature is approximately 65°F - 75°F (18°- 24°C).
 - d. If charging problems persist, contact Customer Service.
4. The pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. **DO NOT CONTINUE** to use the battery pack under these conditions. Follow the charging procedure.
5. Materials of a conductive nature should be kept away from charger cavities. Be sure to unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before cleaning.

SAFETY INFORMATION

6. Do not freeze or immerse the charger in water or any other liquid.

⚠ WARNING: Do not allow any liquid to get inside charger. Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, for disposal of damaged battery packs, contact your local waste management service for proper recycling procedures.

FEATURES



Description of the parts

- 1. Air inlet port
- 2. Battery location
- 3. On/off switch
- 4. Cruise control lever
- 5. Blower housing outlet
- 6. Blower tube
- 7. Nozzle mouth

This product can accept any of the batteries and chargers listed in the chart below:

Westinghouse 20V Lithium-Ion Packs and Chargers

Description	Part number
20V Batteries: LI-ION	W20V2AH W20V4AH W20V5AH
Chargers	W20V2AMP W20V2DP

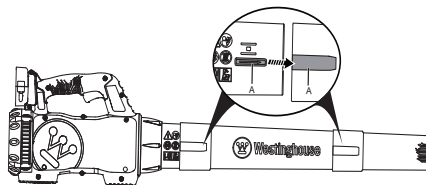
ASSEMBLY

INSTALLING BLOW TUBE

⚠ WARNING: Do not use the device until the blow tube has been properly mounted on the blower housing.

Align the notches on the cordless turbine jet blower body with the notches on the upper blow tube and slide together until they click into place. Repeat with the upper tube and the lower tube, be sure they click into place.

NOTICE: When correctly assembled, the tube is difficult to separate. The tube is not locked if it can be removed. Be sure that the tab is securely fastened on the latch. The tube can separate during operation if the tube is not in the locked position.



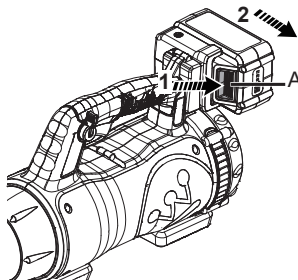
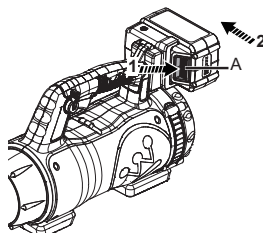
A - Notches

INSTALLING AND REMOVING THE RECHARGEABLE BATTERY

⚠ WARNING: Turn off the blower before inserting or removing the rechargeable battery.

Press the interlock of the battery and pull the battery from the blower to remove the rechargeable battery. Align the base of the rechargeable battery with the guide on the housing to insert the rechargeable battery in the tool. Push the rechargeable battery into the tool until the locking click is audible. Injury is possible if the rechargeable battery is not locked into place.

⚠ WARNING: Be sure to turn off battery tools when not in use. Remove the battery pack when transporting or carrying the blower to avoid injury.

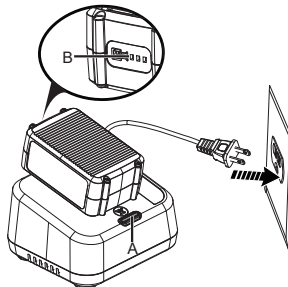


A - Interlock

CHARGING BATTERIES WITH RAPID CHARGER

⚠ WARNING: Only use 20V Westinghouse rechargeable battery packs and Westinghouse 2A Rapid Charger.

- Be sure the power supply is normal household voltage, 120 V, AC only, 60 Hz.
- Connect the charger to a power supply.
- Attach the battery pack to the charger by aligning the raised ribs on the battery pack with the grooves in the charger, then slide the battery pack onto the charger.
- Press down on the battery pack to be sure slide on the battery pack engage properly with contacts in the charger.



A - Battery indicator
B - Charging indicator

ASSEMBLY

- Do not place the charger in an area of extreme heat or cold.
- The battery pack will become slightly warm while charging. This is normal and does not indicate a problem.
- The green LED light will remain on after charging is complete.
- Pull the battery pack up to remove the battery pack from the charger.

Note: Occasionally, the permissible temperature range may be exceeded during the charging cycle. In this case, the electronic charging control interrupts the charging cycle to avoid any damage to the battery. The red control light will then glow continuously. If you should witness this, pull the battery from the charging station and let it cool down for about 30 minutes. Then, restart the charging cycle by sliding the battery back onto the charging station.

For complete charging instructions, refer to the user manuals for your Westinghouse battery pack and charger models.

OPERATION

BEFORE OPERATING

⚠ CAUTION: Always wear safety glasses. Wear a filter mask if the operation is dusty. Use of gloves, long pants and substantial footwear is recommended. Keep long hair and loose clothing away from openings and moving parts. **THIS BLOWER IS FOR HOUSEHOLD USE ONLY.**

- Check that all parts are connected properly before operating the device.
- Examine the work area before starting work. Use a rake or broom to remove all objects or wastes which could be hurled away by the leaf blower.
- If needed, lightly moisten dusty ground.

BLOWING FUNCTION

1. Switch on the device by holding the switch button upwards.
2. Hold the blower with one hand as shown and sweep from side to side with the nozzle several inches above the ground. Advance slowly to keep debris ahead of the blower.
3. Blow waste material into a heap.
 - Do not direct the air jet into the middle of the waste heap.
 - Adjust the blowing power to the requirements.
 - Be sure the air jet is not directed at children, animals, open windows or automobiles.
 - Keep the ventilation slots free during operation to prevent overheating.
 - Do not use the device on wet ground.
4. Clean the device after use.



A - On/off switch

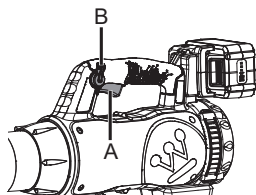
OPERATION

USING CRUISE CONTROL

The cruise control can be used to operate the blower without holding the switch trigger.

To engage the cruise control:

- Press the switch trigger and stop at the desired speed.
- Push the cruise control lever down.
- Release the switch trigger.
- Pull the cruise control lever up entirely to release the cruise control function.



A - On/off switch

B - Cruise control lever

CARE AND MAINTENANCE

⚠ WARNING: Remove the rechargeable battery from the device before use.

- Be sure the blower is ready for safe operation by replacing damaged or worn parts.
- Clean ventilation slots and openings with a brush.
- **DO NOT** use any solvents or cleaning agents containing chemicals that could damage the plastic parts. Use a dry cloth to clean the house of the blower.
- Keep the blower away from children. Keep the blower in a cool, dry location.
- Store and charge your rechargeable batteries in a cool, dry location. Temperatures above or below normal room temperature shorten the lifespan of the rechargeable batteries.
- Do not store rechargeable batteries when discharged. Wait until the rechargeable battery has cooled down and charge it completely.
- Rechargeable batteries gradually lose their charge. The higher the temperature, the quicker they lose their charge. For longer storage periods, recharge the rechargeable battery every one or two months. This will extend the lifespan of the rechargeable battery.
- Do not store the blower where the switch trigger may be pressed.

⚠ WARNING: Remove the battery pack from the product when cleaning or performing maintenance to avoid personal injury.

⚠ WARNING: Always wear eye protection with side shields marked to comply with ANSI Z87.1, along with hearing protection. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

⚠ WARNING: Use only identical replacement parts. Use of any other parts can create a hazard or cause product damage.

⚠ WARNING: Never use water or any liquids to clean or rinse off the product and do not expose the product to rain or wet conditions. Keep the product inside in a cool, dry area when not in use. Corrosive liquids, water, and chemicals can enter electronic components and battery compartment. Short circuiting can result when the electrical components or battery pack are damaged. Remove any buildup of dirt and debris by wiping the product clean with a dry cloth occasionally.

Notice: Inspect the entire product for damaged, missing, or loose parts. Tighten all fasteners and caps until they are secure. Do not operate this device if parts are damaged or missing. Please contact customer service .

⚠ WARNING: Do not let corrosive, flammable, or combustible chemicals come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which can result in serious injury.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Unit will not start.	Battery not installed properly	Check battery installation
	Battery not charged	Check battery charging requirements
Battery will not charge	Battery not inserted into charger	Insert battery into charger until red LED appears
	Charger not plugged in	Plug charger into a working outlet. Check current at receptacle by plugging in a lamp or other appliance. Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights.
	Surrounding air temperature too hot or too cold	Move charger and tool to a surrounding air temperature of above 40 degree F (4.5°C) or below 105 degree F (+40.5°C).

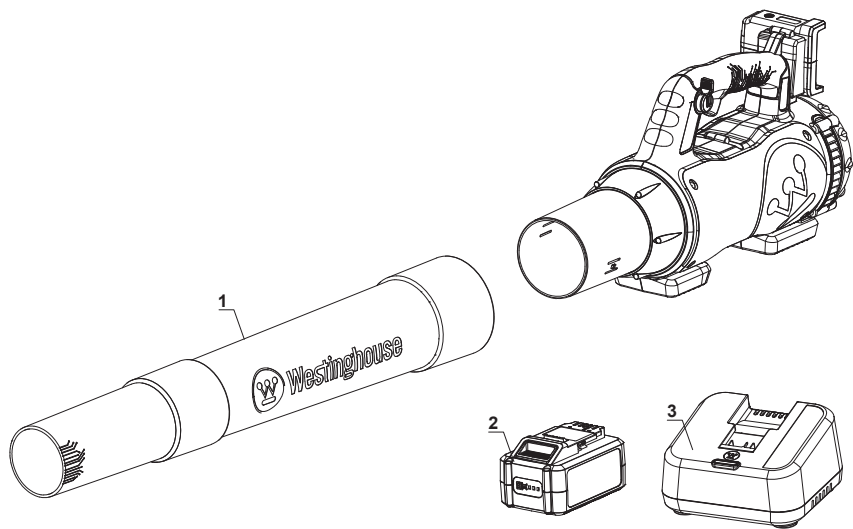
BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING

Please recycle or dispose of batteries properly. This product contains lithium-ion batteries. Local, state or federal laws may prohibit disposal of lithium-ion batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and disposal options.



⚠ WARNING: Cover the battery pack's terminals with heavy-duty adhesive tape after removal. Do not attempt to destroy or disassemble battery pack or remove any of its components. Lithium-ion batteries must be recycled or disposed of properly, never touch both terminals with metal objects or body parts as short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and serious injury.

PARTS PAGE



Index Number	Description	Part Number
1	Blower Tube Assembly	120090001
2	Battery Pack	811400211480013
3	Charger	925005

[illegible]