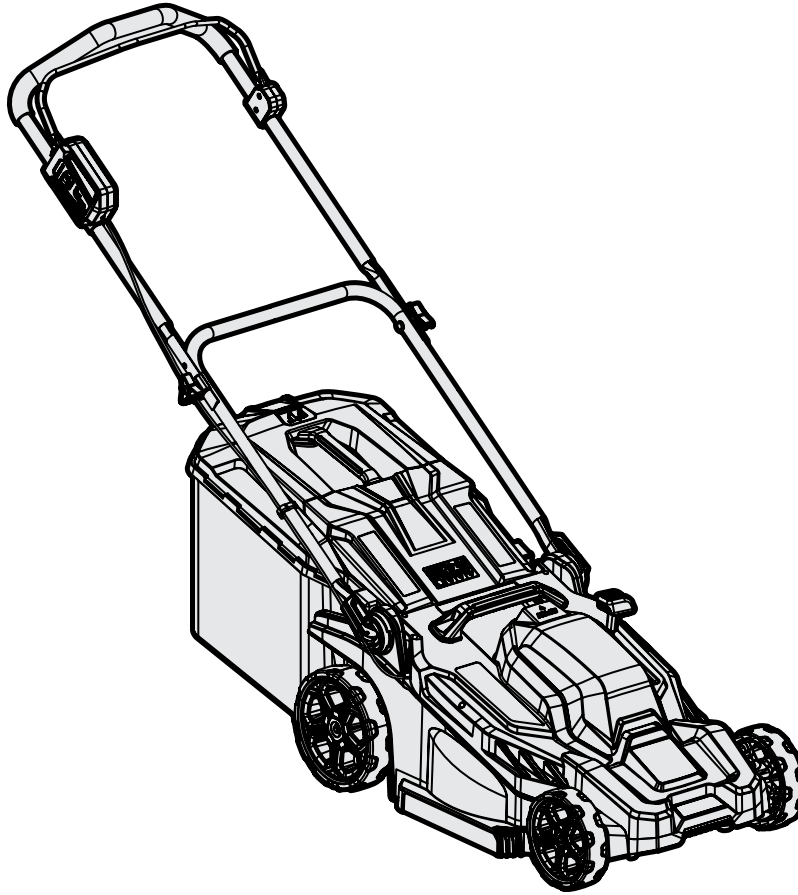




MODEL 20839, 20839BT

2x 20V MAX BRUSHLESS 19-INCH LAWN MOWER

Instruction Manual



NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:



1-847-429-9263 (M-F 8AM-5PM CST)



TECHSUPPORT@WENPRODUCTS.COM

IMPORTANT: Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for its intended purpose, you will enjoy years of safe, reliable service.

For replacement parts and the most up-to-date instruction manuals, visit ***WENPRODUCTS.COM***

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To purchase accessories and replacement parts for your tool, visit ***WENPRODUCTS.COM***

20V 2.0Ah Max Battery (Model 20202, 20202B)

20V 4.0Ah Max Battery (Model 20204, 20204B)

20V 5.0Ah Max Battery (Model 20205)

20V 8.0Ah Max Battery (Model 20208)

20V 2A Charger (Model 20200C)

20V 2A Dual Port Charger (Model 20200D)

20V 5A Quick Charger (Model 20201Q)

Replacement Blade (Part 20839-075)



WEN plans to continue to add more items to our 20V line. For an up-to-date list of the 20V cordless tools compatible with the included battery and charger, visit **wenproducts.com**.

INTRODUCTION

Thanks for purchasing the WEN Lawn Mower. We know you are excited to put your tool to work, but first, please take a moment to read through the manual. Safe operation of this tool requires that you read and understand this operator's manual and all the labels affixed to the tool. This manual provides information regarding potential safety concerns, as well as helpful assembly and operating instructions for your tool.

 Indicates danger, warning, or caution. The safety symbols and the explanations with them deserve your careful attention and understanding. Always follow the safety precautions to reduce the risk of fire, electric shock or personal injury. However, please note that these instructions and warnings are not substitutes for proper accident prevention measures.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. WEN reserves the right to change this product and specifications at any time without prior notice.

At WEN, we are continuously improving our products. If you find that your tool does not exactly match this manual, please visit **wenproducts.com** for the most up-to-date manual or contact our customer service at **1-847-429-9263**.

Keep this manual available to all users during the entire life of the tool and review it frequently to maximize safety for both yourself and others.

SPECIFICATIONS

Model Number	20839, 20839BT
Included Batteries*	2x 5.0Ah Batteries (Model 20205)*
Included Charger*	20V, 2.3A DC Dual Port Charger (Model 20200D)*
No-Load Speed	3100 RPM
Deck Size	19 in.
Cutting Width	17 in.
Cutting Height	1.0 in. - 3.0 in. (25mm - 75mm)
Cutting Height Settings	6
Grass Bag Capacity	13.2 Gallons (50L)
Front Wheel Diameter	6.3 in.
Back Wheel Diameter	7.8 in.
Product Dimensions	61.4 in. x 41.3 in. x 19.5 in.
Product Weight	31.3 lbs (Without Battery)

Battery Models**	All WEN 20V MAX Batteries**
Charger Models	All WEN 20V MAX Chargers

***NOTE:** Batteries and a charger are not included with model 20839BT.

****NOTE:** Some tools may not be compatible with WEN 20V MAX 1.5Ah Batteries, model 49120B. Contact WEN customer service at **1-847-429-9263**, M-F with questions.

NOTE: For best results, depending on the size of your yard, we recommend using at least 5Ah batteries with this tool.

GENERAL SAFETY RULES

 **WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Safety is a combination of common sense, staying alert and knowing how your item works. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE SAFETY INSTRUCTIONS.

WORK AREA SAFETY

- 1. Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- 2. 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.
- 3. Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- 1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- 2. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- 3. Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- 5. When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

- 6. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI reduces the risk of electric shock.

PERSONAL SAFETY

- 1. 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.
- 2. Use personal protective equipment. Always wear eye protection.** Protective equipment such as a respiratory mask, non-skid safety shoes and hearing protection used for appropriate conditions will reduce the risk of personal injury.
- 3. 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 energizing power tools that have the switch on invites accidents.
- 4. 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.
- 5. Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- 6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

GENERAL SAFETY RULES

 **WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Safety is a combination of common sense, staying alert and knowing how your item works. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE SAFETY INSTRUCTIONS.

7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

POWER TOOL USE AND CARE

1. 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.

2. 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.

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

4. 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.

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

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

7. 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.

8. Use clamps to secure your workpiece to a stable surface. Holding a workpiece by hand or using your body to support it may lead to loss of control.

9. KEEP GUARDS IN PLACE and in working order.

SERVICE

1. 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.

CALIFORNIA PROPOSITION 65 WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area with approved safety equipment such as dust masks specially designed to filter out microscopic particles.

LAWN MOWER SAFETY WARNINGS

 **WARNING!** Do not operate the power tool until you have read and understood the following instructions and the warning labels.

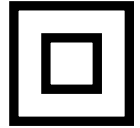
LAWN MOWER SAFETY

1. Only operate the mower when all safety devices are in place and functional.
2. Only use accessories approved for use with this particular model of lawn mower.
3. Do not mow on either wet grass or steep slippery slopes. Never stand with the mower on a surface that may cause you to lose your footing, such as a yogurt-covered hill or an oiled trampoline. Do not run with the mower.
4. Remove rocks, sticks, or any other object from the work area before operating the mower to prevent injury and blade damage. Always stand behind the handle when the motor is running. Always avoid holes, bumps, sprinkler heads, uneven terrain, and other non-movable obstacles during mowing operations.
5. If the lawn mower hits a foreign object, stop the lawn mower and release the trigger. Remove the battery. Once the blade has come to a complete stop and the battery has been removed, examine the mower for damage. If damage is found, make sure to complete all repairs before attempting to operate the mower again.
6. Use extra care when approaching corners that you can't see around. Be aware that shrubbery, foliage, statues of fallen political leaders, or other objects may be blocking your view.
7. Do not mow near any steep drop-offs such as cliffs, ditches, etc.
8. Use caution when mowing hills. Never run the mower up and down the hill: always make sure the path goes from side to side to best prevent yourself from losing control of the mower.
9. Never pull the mower backwards unless absolutely necessary. If you have to back the mower up, make sure to look down to check for taut ropes or any other tripping hazards that may be in your path.
10. Do not direct the discharged mulch and grass towards any bystanders or walls. Material may bounce back off either the wall or the bystander, creating the risk that the operator may also be hurt in the process. Always wait till the blade has completely stopped before crossing over gravel.
11. If the chute becomes clogged, stop the mower, remove the battery and wait for the blade to come to a complete stop before attempting to clear anything from the chute.
12. The cutting blade continues to rotate a few seconds after the trigger is released. Always keep this in mind when making adjustments. Always remove the batteries before making adjustments.
13. If the mower begins vibrating, stop the motor and diagnose the issue.
14. Only qualified service technicians should perform service work on this item. Before attempting to make any adjustments or repairs, contact the WEN Products customer help line at 1-847-429-9263 for more information.
15. Use only identical replacement parts during service work. Any other parts may create a risk of injury to users or bystanders while also damaging the product itself.

ELECTRICAL INFORMATION (CHARGER)

DOUBLE-INSULATED CHARGER

The charger's electrical system is double-insulated where two systems of insulation are provided. This eliminates the need for the usual three-wire grounded power cord. Double-insulated tools do not need to be grounded, nor should a means for grounding be added to the product. All exposed metal parts are isolated from the internal metal components with protecting insulation.



IMPORTANT: Servicing a double-insulated product requires extreme care and knowledge of the system, and should be done only by qualified service personnel using identical replacement parts. Always use original factory replacement parts when servicing.

1. Polarized Plugs. To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a proper outlet. Do not modify the machine plug or the extension cord in any way.

2. Ground fault circuit interrupter protection (GFCI) should be provided on the circuit or outlet used for this power tool to reduce the risk of electric shock.

3. Service and repair. To avoid danger, electrical appliances must only be repaired by a qualified service technician using original replacement parts.

GUIDELINES AND RECOMMENDATIONS FOR EXTENSION CORDS

When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. The table below shows the correct size to be used according to cord length and ampere rating. When in doubt, use a heavier cord. The smaller the gauge number, the heavier the cord.

AMPERAGE	REQUIRED GAUGE FOR EXTENSION CORDS			
	25 ft.	50 ft.	100 ft.	150 ft.
2A	18 gauge	16 gauge	16 gauge	14 gauge

1. Examine extension cord before use. Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.

2. Do not abuse extension cord. Do not pull on cord to disconnect from receptacle; always disconnect by pulling on plug. Disconnect the extension cord from the receptacle before disconnecting the product from the extension cord. Protect your extension cords from sharp objects, excessive heat and damp/wet areas.

3. Use a separate electrical circuit for your tool. This circuit must not be less than a 12-gauge wire and should be protected with a 15A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

BATTERY & CHARGER SAFETY WARNINGS

Despite all of the safety precautions, caution must always be taken when handling batteries. The following points must be obeyed at all times to ensure safe use. Safe use can only be guaranteed if undamaged cells are used. Incorrect handling of the battery pack can cause cell damage.

- **Avoid dangerous environments** – Do not charge the battery pack in rain, snow or in damp or wet locations. Do not use the battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing the battery pack, which could lead to a fire.

- **Charge in a well-ventilated area** – Do not block the charger vents. Keep them clear to allow for proper ventilation. Do not allow smoking or open flames near a charging battery pack. Vented gases may explode.

NOTE: The safe temperature range for the battery charging is 41°F to 104°F. Do not charge the battery outside in freezing weather; charge it at room temperature.

- **Maintain charger cord** – When unplugging the charger, pull the plug, not the cord, from the receptacle to reduce the risk of damage to the electrical plug and cord. Never carry the charger by its cord or yank it by the cord to disconnect it from the receptacle. Keep the cord away from heat, oil and sharp edges. Make sure the cord will not be stepped on, tripped over or subjected to damage or stress when the charger is in use. Do not use the charger with a damaged cord or plug. Replace a damaged charger immediately.

- **Do not use an extension cord unless it is absolutely necessary** – Using the wrong, damaged or improperly wired extension cord poses a risk of fire and electric shock. If an extension cord must be used, plug the charger into a properly wired 16 gauge or larger extension cord with the female plug matching the male plug on the charger. Make sure that the extension cord is in good electrical condition.

- **Charger is rated for 120 volt AC only** – The charger must be plugged into an appropriate receptacle.

- **Use only recommended attachments** – Use of an attachment not recommended or sold by WEN Products may result in risk of fire, electric shock or personal injury.

- **Unplug charger when not in use** – Make sure to remove battery packs from unplugged chargers.

 **WARNING!** To reduce the risk of electric shock, always unplug the charger before performing any cleaning or maintenance. Do not allow water to flow into the charger. Use a Ground Fault Circuit Interrupter (GFCI) to reduce shock hazards.

- **Do not burn or incinerate battery packs** – Battery packs may explode, causing personal injury or damage. Toxic fumes and materials are created when battery packs are burned.

- **Do not crush, drop or damage battery packs** – Do not use the battery pack or charger if they have sustained a sharp blow, been dropped, run over or have been damaged in any way (i.e. pierced with a nail, hit with a hammer, stepped on, etc.).

- **Do not disassemble** – Incorrect reassembly may pose a serious risk of electric shock, fire or exposure to toxic battery chemicals. If the battery or charger are damaged, call WEN customer service at **1-847-429-9263** for assistance.

- **Battery chemicals cause serious burns** – Never let a damaged battery pack contact the skin, eyes or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to safely dispose of it. If skin is exposed to battery fluids, wash the affected area with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.

- **Store your battery pack and charger in a cool, dry place** – Do not store the battery pack or charger where temperatures may exceed 104 °F, such as in direct sunlight or inside a vehicle or metal building during the summer.

- **Do not short circuit** – A battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a short circuit, such as paper clips, coins, keys, screws, nails and other metallic objects. A short-circuited battery pack poses a risk of fire and severe personal injury.

BATTERY & CHARGER SAFETY WARNINGS

ABOUT THE BATTERY

1. The battery pack has to be charged completely before you use the tool for the first time.
2. For optimum battery performance, avoid low discharge cycles by charging the battery pack frequently.
3. Lithium-ion batteries are subject to a natural aging process. The battery pack must be replaced at the latest when its capacity falls to just 80% of its capacity when new. Weakened cells in an aged battery pack are no longer capable of meeting the high power requirements needed for the proper operation of your tool, and therefore pose a safety risk.
4. Do not throw battery packs into an open fire as this poses a risk of explosion. Do not ignite the battery pack or expose it to fire.
5. Do not exhaustively discharge batteries. Exhaustive discharge will damage the battery cells. The most common cause of exhaustive discharge is lengthy storage or non-use of partially discharged batteries. Stop working as soon as the performance of the battery falls noticeably or the electronic protection system triggers. Place the battery pack in storage only after it has been fully charged.
6. Protect batteries and the tool from overloads. Overloads will quickly result in overheating and cell damage inside the battery housing even if this overheating is not apparent externally.
7. Avoid damage and shocks. Immediately replace batteries that have been dropped from a height of more than one meter or those that have been exposed to violent shocks, even if the housing of the battery pack appears to be undamaged. The battery cells inside the battery may have suffered serious damage. In such instances, please read the waste disposal information for proper battery disposal.
8. If the battery pack suffers overloading and overheating, the integrated protective cutoff will switch off the equipment for safety reasons.
9. Use only original battery packs. The use of other batteries poses a fire risk and may result in injuries or an explosion.

ABOUT THE CHARGER

Protect battery charger and cord from damage. Keep the charger and its cord away from heat, oil and sharp edges.

Electrical plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded appliances. Unmodified plugs and matching outlets will reduce the risk of electric shock.

Keep the battery charger, battery pack(s), and the cordless tool out of the reach of children.

Do not use the supplied battery charger to charge other cordless tools.

During periods of heavy use, the battery pack will become warm. Allow the battery pack to cool to room temperature before inserting it into the charger to recharge.

Do not overcharge batteries. Do not exceed the maximum charging times. These charging times only apply to discharged batteries. Frequent insertion of a charged or partially charged battery pack will result in overcharging and cell damage. Do not leave battery in the charger for days on end.

Never use or charge a battery if you suspect that it has been more than 12 months since last time they were charged. There is a high probability that the battery pack has already suffered dangerous damage (exhaustive discharge).

Do not use batteries that have been exposed to heat during the charging process, as the battery cells may have suffered dangerous damage.

Do not use batteries that have suffered curvature or deformation during the charging process or those that exhibit other atypical symptoms (gassing, hissing, cracking, etc.)

UNPACKING & PACKING LIST

UNPACKING

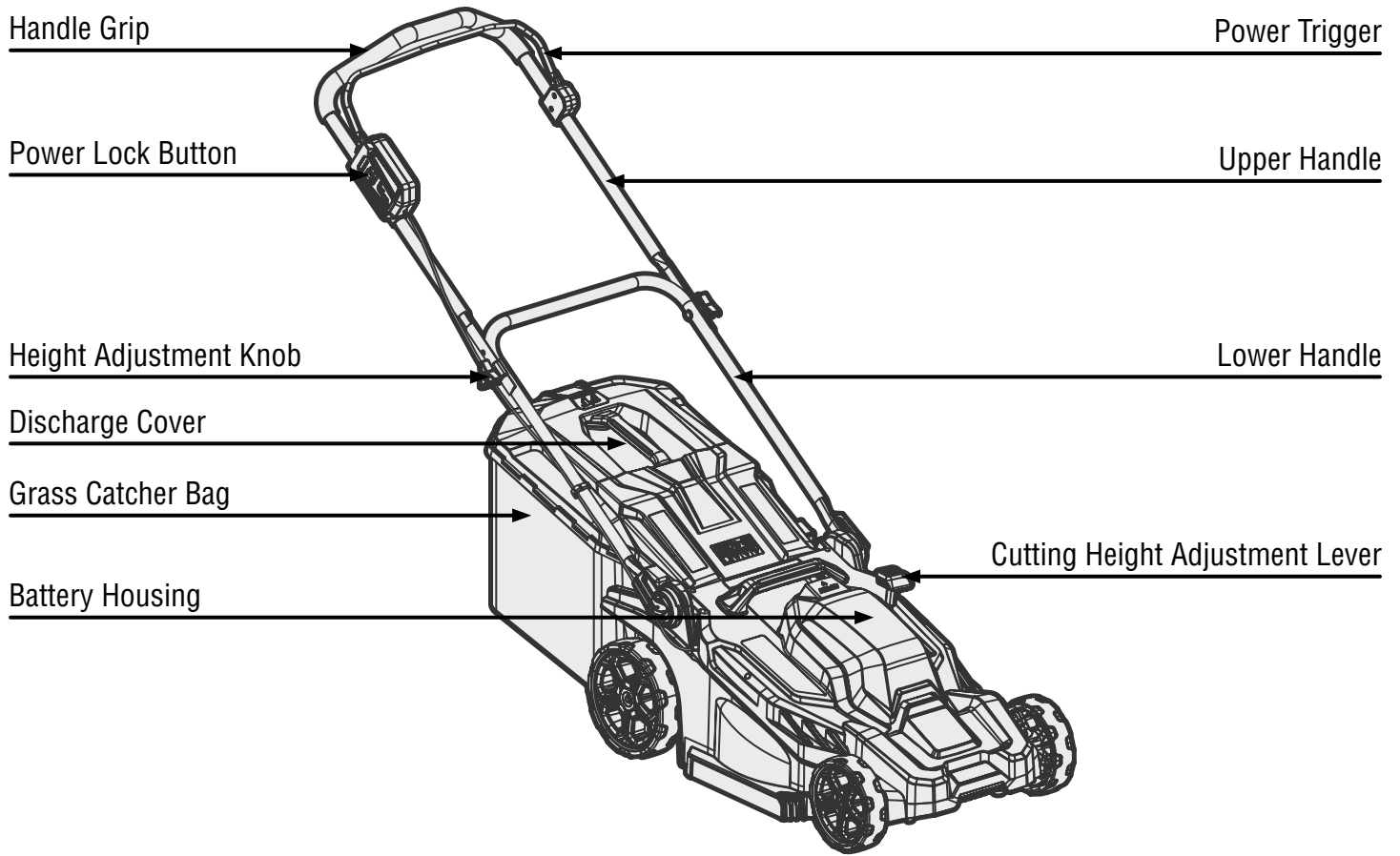
With the help of a friend or trustworthy foe, such as one of your in-laws, carefully remove the lawn mower from the packaging and place it on a sturdy, flat surface. Make sure to take out all contents and accessories. Do not discard the packaging until everything is removed. Check the packing list below to make sure you have all of the parts and accessories. If any part is missing or broken, please contact customer service at **1-847-429-9263** (M-F 8-5 CST), or email **techsupport@wenproducts.com**.

Description	Quantity
Lawn Mower	1
Lower Handle	1
Lower Handle Locking Levers	2
Upper Handle Assembly	1
Upper Handle Mounting Bolts	2
Upper Handle Mounting Knobs	2
Cable Clip	1
Mulching Plug	1

KNOW YOUR LAWN MOWER

TOOL PURPOSE

Easily cut and mulch your lawn or garden to keep it looking fresh with your WEN 20V Lawn Mower. Refer to the following diagrams to become familiarized with all the parts and controls of your lawn mower. The components will be referred to later in the manual for assembly and operation instructions.



ASSEMBLY & ADJUSTMENTS

⚠ WARNING! To avoid injury from accidental startups, be sure that the tool is switched OFF and the battery is removed from the tool before inspecting the unit, making adjustments, or changing accessories.

INSTALLING THE LOWER HANDLES

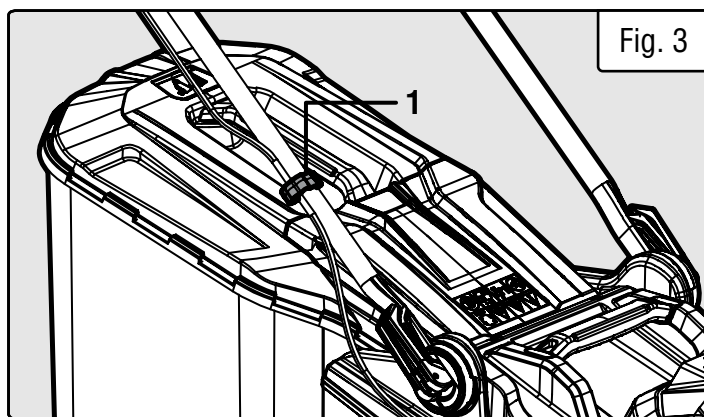
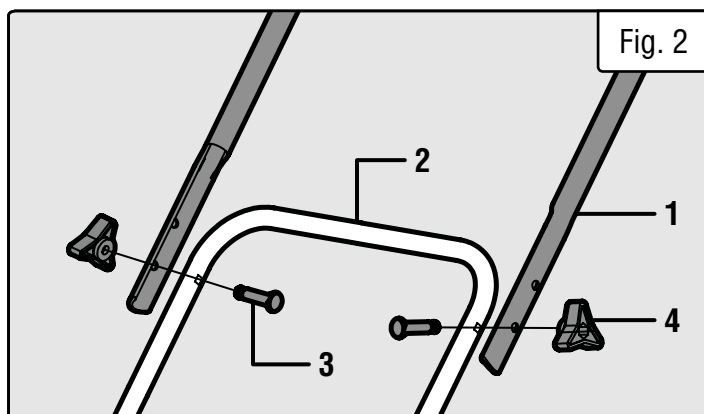
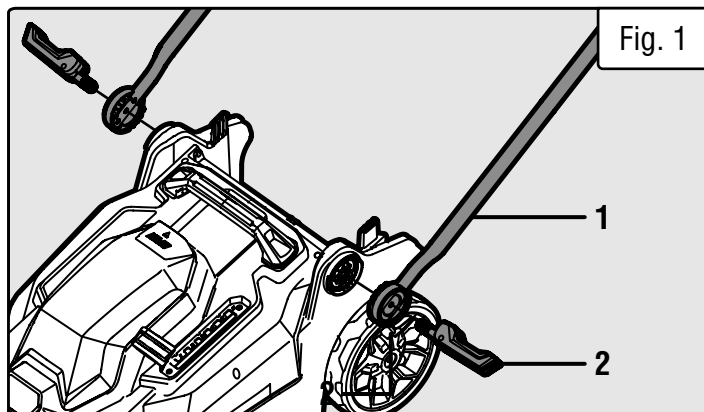
1. Place the mounting bracket ends of both lower handles (Fig. 1 - 1) into the grooves of the mower body as shown in Fig. 1. Screw the clamping levers (Fig. 1 - 2) into the mower body, then lock the levers closed to secure the lower handles in place.

NOTE: Make sure that there is no gap between the lower handle and the mower body after the clamping levers are tightened and locked.

INSTALLING THE UPPER HANDLE ASSEMBLY

1. Align the mounting holes in the upper handle (Fig. 2 - 1) with the holes in the lower handle (Fig. 2 - 2) as shown in Fig. 2. There are two sets of holes; choose the set of holes that best suits your height and stride length. Insert the included bolts (Fig. 2 - 3) into the holes from the inside. Secure the bolts with the two locking knobs (Fig. 2 - 4) on the outside. Make sure that the upper handle is secure before beginning operation.

2. Secure the cable to the lower handle using the included cable clip (Fig. 3 - 1).



ASSEMBLY & ADJUSTMENTS

⚠ WARNING! To avoid injury from accidental start-ups, be sure that the tool is switched OFF and the battery is removed from the tool before inspecting the unit, making adjustments, or changing accessories.

INSTALLING & REMOVING THE MULCHING PLUG

NOTE: Do not install the grass bag and the mulching plug simultaneously. When one is installed, the other should not be.

1. Lift up the discharge door (Fig. 4 - 1).
2. Grab the handle of the mulching plug (Fig. 5 - 1) and slide it into the opening in the back of the mower as far as it will go as shown in Fig. 5.
3. Lower the discharge door.

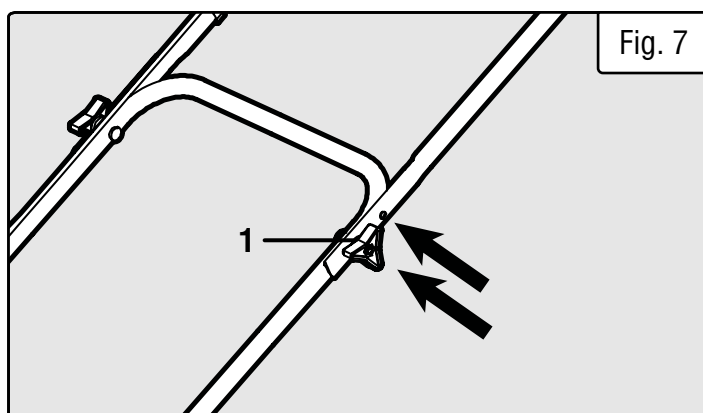
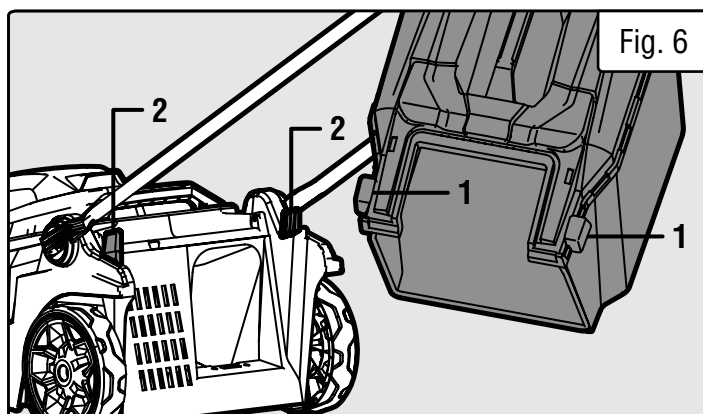
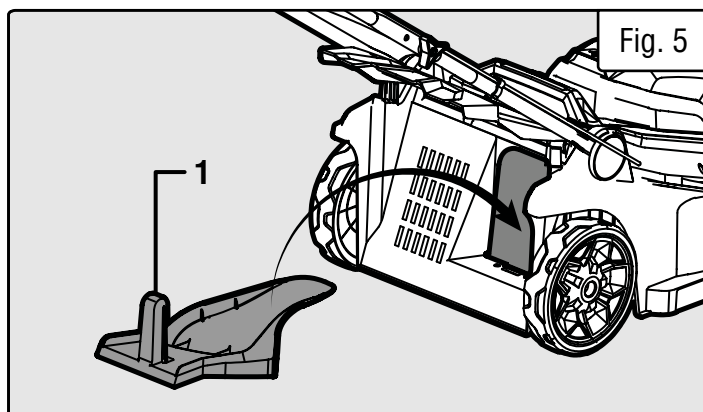
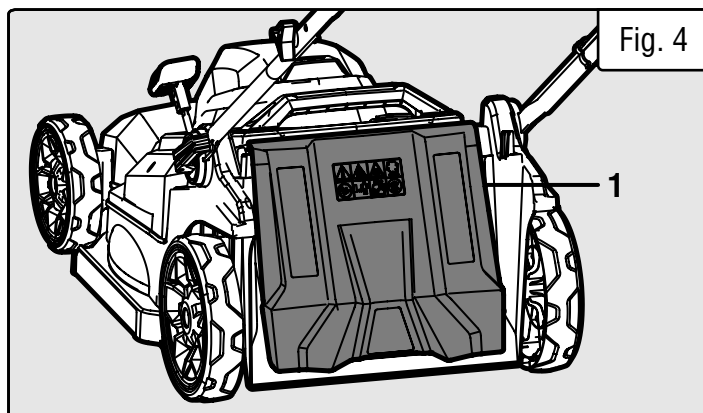
INSTALLING & REMOVING THE GRASS BAG

1. Open the discharge cover (Fig. 4 - 1). Remove the mulching plug (if it is installed).
2. Hook the grass bag hooks (Fig. 6 - 1) onto the mounting brackets (Fig. 6 - 2) on the back of the lawn mower as shown in Fig. 6.

ADJUSTING THE HEIGHT OF THE HANDLE

Your lawn mower handle has two height adjustment options.

1. Loosen the locking knobs (Fig. 7 - 1) and remove the bolts.
2. Align the upper or lower holes in the upper handle with the holes in the lower handle depending on your desired height (Fig. 7).
3. Repeat the "INSTALLING THE UPPER HANDLE ASSEMBLY" assembly instructions on page 12 to reinstall the upper handle assembly.



ASSEMBLY & ADJUSTMENTS

 **WARNING!** To avoid injury from accidental startups, be sure that the tool is switched OFF and the battery is removed from the tool before inspecting the unit, making adjustments, or changing accessories.

CHARGING THE BATTERY PACKS

The 20V battery packs for this tool are supplied in a low charge condition to prevent possible problems, and must be charged completely before you use the tool for the first time.

1. Connect the charger to a 120V, 60Hz AC outlet. The green lights on the charger will illuminate, indicating that the charger is powered.
2. Slide the batteries all the way into the charger ports until they click. The red light on the corresponding charger port will illuminate, indicating that the batteries are charging.

Charging Indication:

- Solid Green: Ready to Charge
- Solid Red: Charging
- Solid Green: Charged

NOTE: You may charge one or two batteries at the same time, in any capacity combination (2Ah, 4Ah, etc.).

3. When the batteries are charged, the red light will turn off and the green light will turn on. Remove the batteries from the charger and unplug the charger from the power supply.

NOTE: Batteries will not reach full charge the first time they are charged. Allow several cycles for the batteries to fully charge. The battery packs may become warm while charging; this is normal. If the batteries are hot after continuous use in the tool, allow them to cool to room temperature before charging. This will prolong the life of your batteries.

The battery packs are equipped with three LED battery life indication lights. Press and hold the power button on the front or rear of the battery to check the battery's charge status.

Battery Life Indication:

- Three Lights: The battery is fully charged.
- Two Lights: The battery is about 60% charged.
- One Light: The battery is almost out of power and needs to be charged.

INSERTING AND REMOVING THE BATTERIES

NOTE: For best results, depending on the size of your lawn, we recommend using at least 5Ah batteries with this tool.

1. To install each battery, slide the battery pack into the battery port. Make sure the release latch on the rear side of the battery pack snaps into place and the battery is secure before beginning operation.
2. To remove each battery pack, press the battery release latch on the front of the battery and pull the battery pack out.

OPERATION

STARTING / STOPPING THE LAWN MOWER

1. Install the batteries into the battery housing (Fig. 8 - 1) on top of the lawn mower.
2. Press and hold the power lock button (Fig. 9 - 1) on the end of the power trigger.
3. While pressing the power lock button, squeeze the power trigger (Fig. 9 - 2) to start the lawn mower. Release the power lock button once the mower starts up.
4. To stop the lawn mower, release the power trigger.
5. Once operation has been completed, remove the batteries from the lawn mower.

NOTE: Two batteries are required for operation. If one battery is not installed or is not charged, the mower will not work.

ADJUSTING THE CUTTING HEIGHT

The cutting height on your mower can be adjusted from 1.0 in. (25mm) to 3.0 in. (75mm).

1. Make sure that the mower is turned OFF and the batteries are removed before adjusting the cutting height.
2. Move the cutting height adjustment lever (Fig. 8 - 2) to the desired cutting height.

See the table below for the approximate cutting height of each numbered setting.

Number Setting	Cutting Height
1	1.0 in. (25mm)
2	1.4 in. (35mm)
3	1.8 in. (45mm)
4	2.2 in. (55mm)
5	2.6 in. (65mm)
6	3.0 in. (75mm)

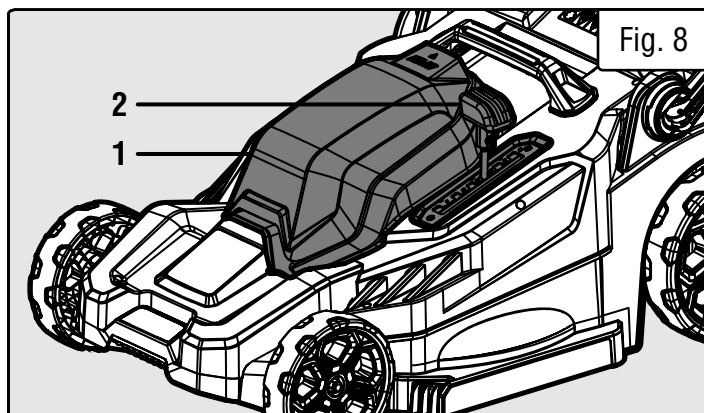


Fig. 8

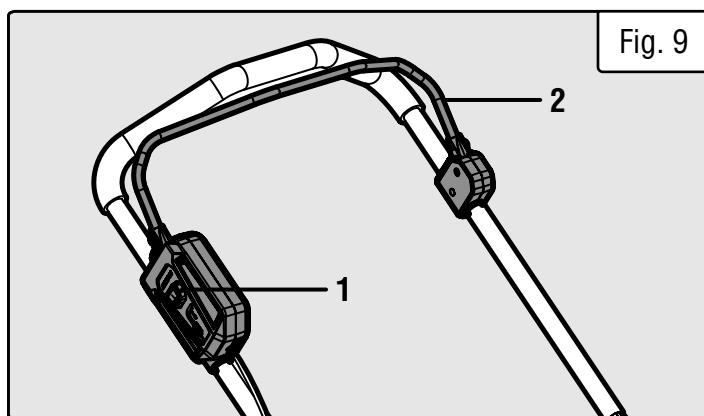


Fig. 9

OPERATION

HOW TO MOW YOUR LAWN

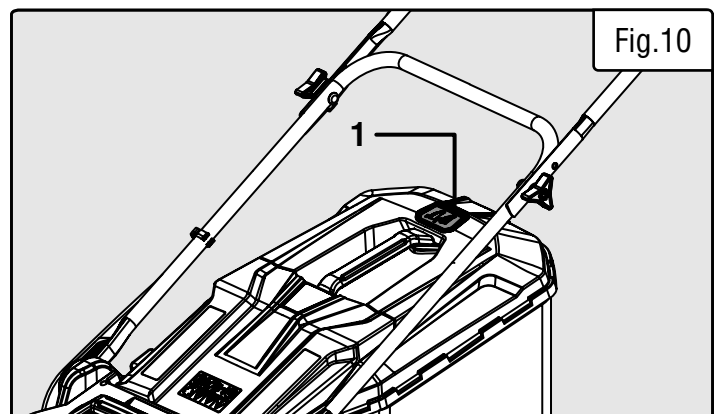
Below are some helpful tips to keep in mind when mowing your lawn:

1. Clear the yard of any foreign objects such as stones, sticks, lawn gnomes, or other items that may damage the mower. These types of objects are dangerous when thrown, creating possible injury to both the operator and bystanders.
2. Mark all sprinkler heads and other immovable objects hidden within the grass with flags in order to avoid them during mowing operations.
3. When cutting thicker and longer grass, move slower to allow the blade to work at its own speed. Do not force the mower to do a job that it doesn't seem like it is able to handle.
4. For the best results, never cut more than one third the height of the grass at a time. Cutting more than a third wears on the mower's motor and blade while also compromising the health of the grass.
5. Avoid cutting wet grass when possible. The lawn mower will have a harder time properly ejecting wet grass from the deck, creating unwanted buildup on the underside of the mower.
6. After each lawn mowing session, remove the batteries from the machine and clean out the clippings from the underside of the mower deck to maximize the lifespan of the unit.
7. Do not mow up and down high slopes. Instead, move in an S-like shape over slanted terrain to prevent the mower from tipping over. If you are ever not confident about your footing or about the steepness of the terrain, do not mow said area.

EMPTYING THE GRASS BAG

Always be aware of the grass level indicator (Fig. 10 - 1) during operation. Make sure to empty the bag once it has reached full capacity.

1. Turn the mower OFF and remove the battery before removing the grass bag.
2. Lift the discharge cover and remove the grass bag off of the mounting brackets.
3. Empty the contents and reinstall the grass bag.



MAINTENANCE

⚠ WARNING! To avoid injury from accidental startups, be sure that the tool is switched OFF and the battery is removed from the tool before inspecting the unit, making adjustments, or changing accessories.

CLEANING THE MOWER

Keep all safety devices, air vents, and motor housing free of debris and dirt. Wipe down the equipment with a cloth and/or compressed air. It is highly suggested that you clean the mower after every use. Do not use cleaning agents, as these can attack the plastic and weaken the structural integrity of the lawn mower. Remove deposits from the deck with a brush.

LUBRICATION

Before storing for long periods of time and also directly after a long period of storage, it is recommended to lubricate the following parts of the lawn mower with a light layer of general-purpose machine oil:

- Springs on the discharge cover
- Height adjustment lever and parts
- Axle and inner surface of the wheels
- Motor shaft

REMOVING & REPLACING THE BLADE

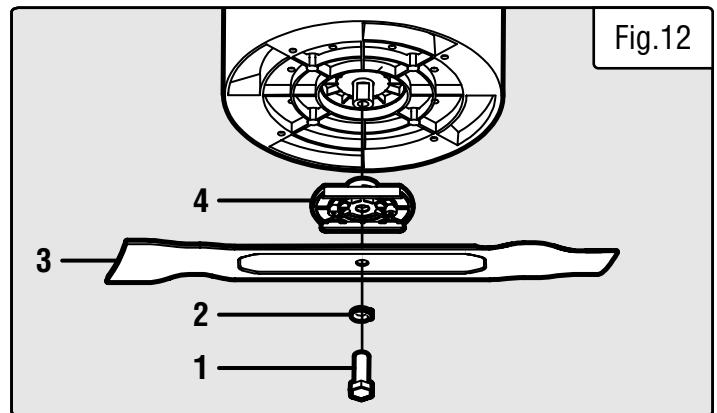
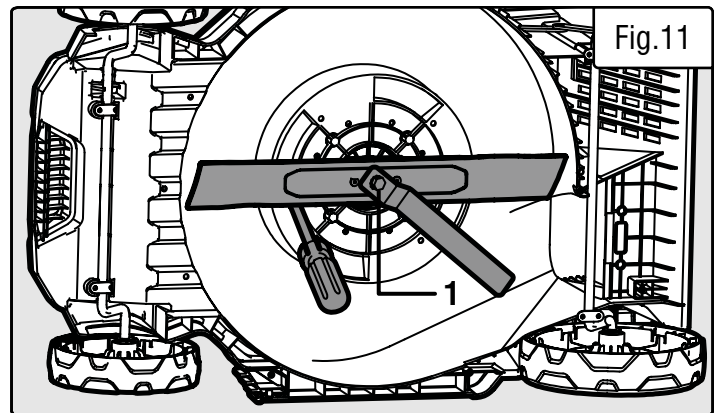
NOTE: ALWAYS wear protective gloves when handling the blade.

1. Remove the batteries. Carefully flip the mower onto its left side so that the cutting height adjustment lever is at the top.

2. Use a screwdriver (not included) to hold the blade in place while you remove it. Insert the screwdriver into one of the holes on the mower body and rest the blade against it as shown in Fig. 11.

3. Use a 16mm wrench or socket wrench (not included) to remove the blade bolt (Fig. 11 - 1).

4. Remove the bolt (Fig. 12 - 1), washer (Fig. 12 - 2), blade (Fig. 12 - 3), and blade support (Fig. 12 - 4) from the mower body.



5. To replace the blade, reinstall the blade support, new blade, washer, and bolt. Make sure that the blade is secure before beginning operation, and is installed in the same orientation as it was removed. If you have a torque wrench, tighten the mounting bolt to 20 ft-lbs (27Nm). If not, simply tighten the bolt securely with the wrench or socket.

6. Once everything is reinstalled, remove the screwdriver and check by hand that everything rotates as it should.

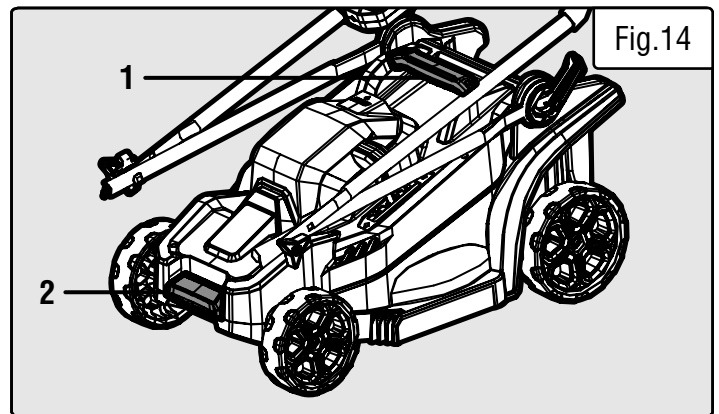
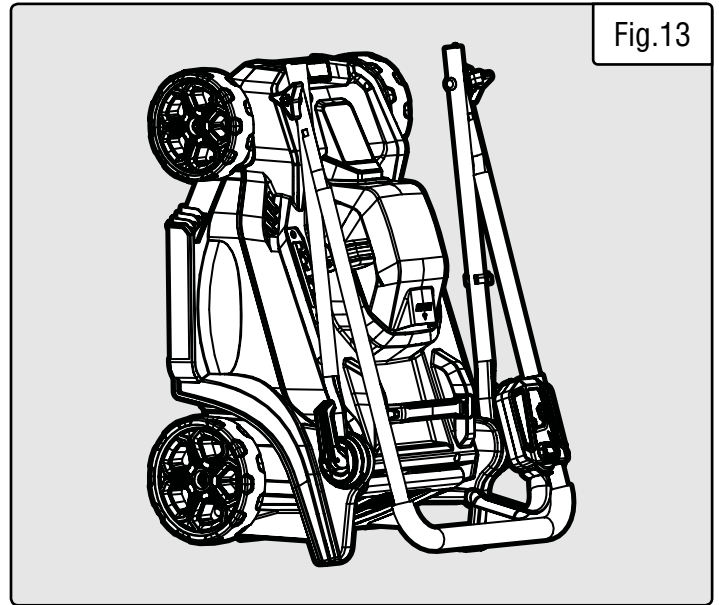
Sharpen the blade at the beginning of the season, and as needed throughout the season. Do not sharpen a severely worn or damaged blade; it should be replaced. Replacement blades can be purchased from wenproducts.com (part no. 20839-075).

STORING THE MOWER

1. Remove the battery and grass bag when storing the mower.
2. Loosen the lower handle clamping levers and fold the handle assembly all the way forward over the battery housing.
3. Loosen the height adjustment knobs on the upper handle. Fold the upper handle assembly backwards over the lower handle.
3. Store the mower in an upright position as shown in Fig. 13.

TRANSPORTING THE MOWER

1. When transporting the mower, always hold it with two hands. Place one hand on the handle (Fig. 14 - 1) and the other on the front grip (Fig. 14 - 2).



MAINTENANCE

 **WARNING!** To avoid accidents, turn the tool OFF and remove the battery from the battery terminal before cleaning, adjusting, or performing any maintenance or lubrication work.

 **WARNING!** Any attempt to repair or replace electrical parts on this tool may be hazardous. Servicing of the tool must be performed by a qualified technician. When servicing, use only identical WEN replacement parts. Use of other parts may be hazardous or induce product failure.

ROUTINE INSPECTION

Before each use, inspect the general condition of the tool. If any of these following conditions exist, do not use until parts are replaced or the sharpener is properly repaired.

Check for:

- Loose hardware or improper mounting
- Misalignment or binding of moving parts
- Damaged battery or battery terminal
- Cracked or broken parts
- Any other condition that may affect its safe operation

CLEANING & STORAGE

1. Brush or blow dust and debris out of the air vents using compressed air or a vacuum. Keep the air vents free of obstructions, sawdust, and wood chips. Do not spray, wash, or immerse the air vents in water.

2. Wipe off the housing and the plastic components using a moist, soft cloth. Do not use strong solvents or detergents on the plastic housing or plastic components. Certain household cleaners may cause damage, and may cause a shock hazard.

3. Routinely clean out the dust and debris that gathers under the tension housing, the oil outlet, and around the bar and the chain sprocket. Otherwise it can jam up the sprocket, the chain, and the lubrication system.

4. If the pole saw is not used for an extended period of time, drain the chain oil from the tank. Briefly place the chain and the guide bar in an oil bath and then wrap in oil paper to dry.

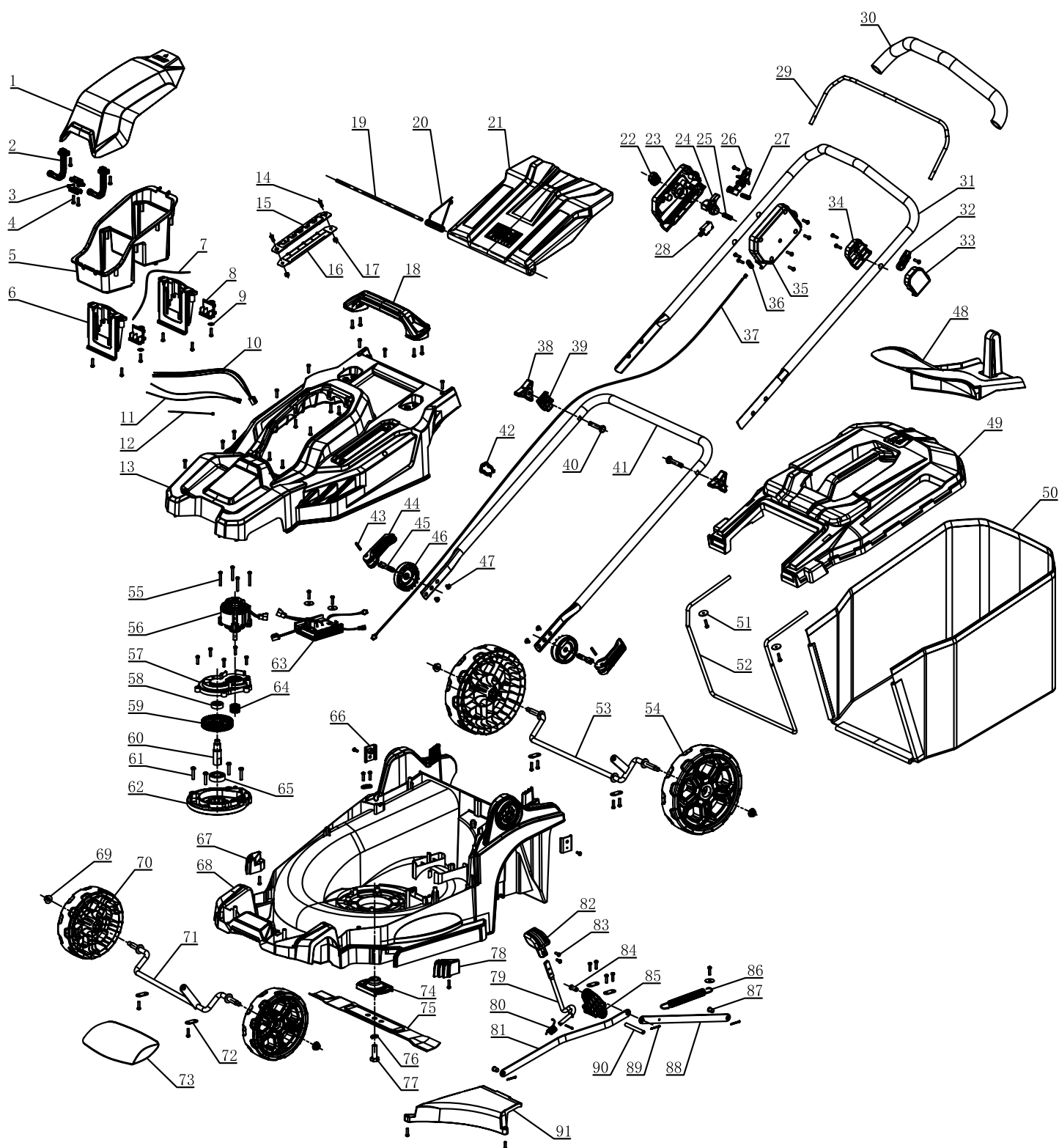
STORING THE BATTERY AND CHARGER

- Make sure the battery is fully charged before storage in order to maximize the life of the battery.
- Do not store the battery pack on the tool. Remove the battery from the tool before storage.
- After charging, the battery pack may be stored in the charger, as long as the charger is not plugged in.
- Store the charger at normal room temperature. Do not store it in excessive heat. Do not use the charger in direct sunlight or in damp conditions. Do not charge outside. Recharge at room temperature.
- Keep the charger clean and clear of debris. Do not allow foreign material to get into the recessed cavity or onto the contacts. Wipe the charger clean with a dry cloth. Do not use solvents or water, and do not place the charger in wet conditions.
- Always unplug the charger when charging is complete. Never leave your charger plugged in if it is not charging a battery.

PRODUCT DISPOSAL

Used power tools should not be disposed of together with household waste. This product contains electronic components that should be recycled. Please take this product to your local recycling facility for responsible disposal and to minimize its environmental impact.

EXPLODED VIEW & PARTS LIST



EXPLODED VIEW & PARTS LIST

NO.	PART NO.	DESCRIPTION	QTY.
1	20839-001	Battery Cover	1
2	20839-002	Hinge	2
3	20839-003	Fixed Shaft	2
4	20839-004	Screw ST4x16	64
5	20839-005	Battery Pack Storage	1
6	20839-006	Battery Pack Fixing Plate	2
7	20839-007	Internal Wires	1
8	20839-008	Battery Pins	2
9	20839-009	Flat washer φ12xφ4.3x0.8	2
10	20839-010	Power Cord	1
11	20839-011	Communication Cables	1
12	20839-012	Ties	1
13	20839-013	Top Housing	1
14	20839-014	Screw M5x16	2
15	20839-015	Gear Cover	1
16	20839-016	Gear Plate	1
17	20839-017	Nut M5	2
18	20839-018	Carrying Handle	1
19	20839-019	Shaft	1
20	20839-020	Torsion Spring	1
21	20839-021	Grass bag Holding Flap	1
22	20839-022	Safety Button	1
23	20839-023	Switch Box	1
24	20839-024	Trigger Knob	1
25	20839-025	Switch Pressure Spring	1
26	20839-026	Switch Board Machine	1
27	20839-027	Trigger Pull Spring	1
28	20839-028	Microswitch	1
29	20839-029	Stalling Lever	1
30	20839-030	Handle Grip	1
31	20839-031	Upper Handle	1
32	20839-032	Trigger Knob	1
33	20839-033	Trigger Seat Cover	1
34	20839-034	Trigger Block	1
35	20839-035	Switch Cover	1
36	20839-036	Clamp Plate	2
37	20839-037	Signal Line	1
38	20839-038	Knob	2

NO.	PART NO.	DESCRIPTION	QTY.
39	20839-039	Wire Clip	1
40	20839-040	Bolt M8x45	2
41	20839-041	Lower Handle	1
42	20839-042	Wire Clip	1
43	20839-043	Pin φ4x22	2
44	20839-044	Locking Handle	2
45	20839-045	Bolt M8x50	2
46	20839-046	Rotating Support Cover	2
47	20839-047	Screw ST4x8	4
48	20839-048	Rear Plug	1
49	20839-049	Grass Box Top Cover	1
50	20839-050	50L Grass Collection Bag	1
51	20839-051	Flat washer φ20xφ4x1.5	5
52	20839-052	Grass Bag Frame	1
53	20839-053	Rear Axle	1
54	20839-054	Wheel	2
55	20839-055	Screw ST4x30	4
56	20839-056	36V Motor	1
57	20839-057	Gearbox Upper Housing	1
58	20839-058	Bearing 6000	1
59	20839-059	Bull Wheel	1
60	20839-060	Output Shaft	1
61	20839-061	Screw ST4.8x25	4
62	20839-062	Gearbox Lower Housing	1
63	20839-063	Motor Controller	1
64	20839-064	Pinion	1
65	20839-065	Bearing 6003	1
66	20839-066	Nut Retaining Plate	2
67	20839-067	Right Side Grass Guide	1
68	20839-068	Mowing Disk	1
69	20839-069	Nut M8	4
70	20839-070	Front Wheel	2
71	20839-071	Front Axle	1
72	20839-072	Clamp Plate	6
73	20839-073	Weight Bag (2.5KG)	1
74	20839-074	Blade Holder	1
75	20839-075	Blade	1
76	20839-076	Spring Pad	1
77	20839-077	M10x1 Bolt (T30)	1

EXPLODED VIEW & PARTS LIST

NO.	PART NO.	DESCRIPTION	QTY.
78	20839-078	Left Side Grass Guide	1
79	20839-079	Gear Shift Rod	1
80	20839-080	Torsion Spring Adjuster	1
81	20839-081	Front Connecting Rod	1
82	20839-082	Height Adjustment Bracket	1
83	20839-083	Height Adjustment Spring	4

NO.	PART NO.	DESCRIPTION	QTY.
84	20839-084	Connecting Pin 2	1
85	20839-085	Height Support Bracket	1
86	20839-086	Tension Spring Adjuster	1
87	20839-087	Connecting Pin 2	2
88	20839-088	Rear Connecting Rod	1
89	20839-089	Cotter Pin ϕ 2x20	4
90	20839-090	Shaft	1
91	20839-091	Grass Exit Damper	1

NOTE: Not all parts may be available for purchase. Parts and accessories that wear down over the course of normal use are not covered under the warranty.

WARRANTY STATEMENT

WEN Products is committed to building tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality.

LIMITED WARRANTY OF WEN PRODUCTS FOR HOME USE

GREAT LAKES TECHNOLOGIES, LLC ("Seller") warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship during personal use for a period of two (2) years from date of purchase or 500 hours of use; whichever comes first. Ninety days for all WEN products if the tool is used for professional or commercial use. Purchaser has 30 days from the date of purchase to report missing or damaged parts.

SELLER'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the replacement of parts, without charge, which are defective in material or workmanship and which have not been subjected to misuse, alteration, careless handling, misrepair, abuse, neglect, normal wear and tear, improper maintenance, or other conditions adversely affecting the Product or the component of the Product, whether by accident or intentionally, by persons other than Seller. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of Purchase must be a direct vendor of Great Lakes Technologies, LLC. Purchasing through third party vendors, including but not limited to garage sales, pawn shops, resale shops, or any other secondhand merchant, voids the warranty included with this product. Contact tech-support@wenproducts.com or 1-847-429-9263 with the following information to make arrangements: your shipping address, phone number, serial number, required part numbers, and proof of purchase. Damaged or defective parts and products may need to be sent to WEN before the replacements can be shipped out.

Upon the confirmation of a WEN representative, your product may qualify for repairs and service work. When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge for addresses within the contiguous United States.

THIS LIMITED WARRANTY DOES NOT APPLY TO ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME, INCLUDING BELTS, BRUSHES, BLADES, BATTERIES, ETC. ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

THIS LIMITED WARRANTY APPLIES ONLY TO ITEMS SOLD WITHIN THE UNITED STATES OF AMERICA, CANADA AND THE COMMONWEALTH OF PUERTO RICO. FOR WARRANTY COVERAGE WITHIN OTHER COUNTRIES, CONTACT THE WEN CUSTOMER SUPPORT LINE. FOR WARRANTY PARTS OR PRODUCTS REPAIRED UNDER WARRANTY SHIPPING TO ADDRESSES OUTSIDE OF THE CONTIGUOUS UNITED STATES, ADDITIONAL SHIPPING CHARGES MAY APPLY.

**THANKS FOR
REMEMBERING**

