Form No. 3460-533 Rev A

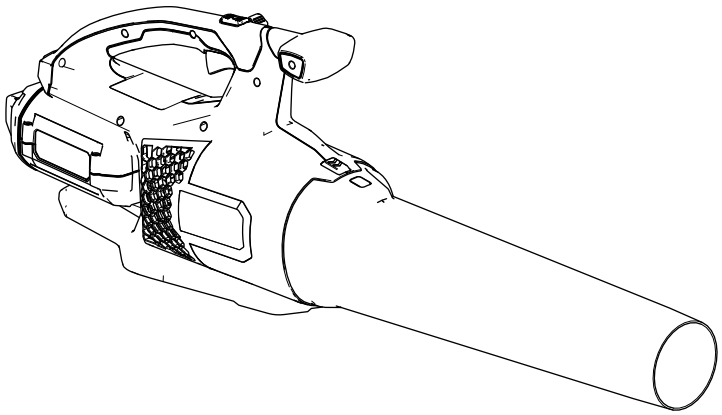
TORO®

Count on it.

Operator's Manual

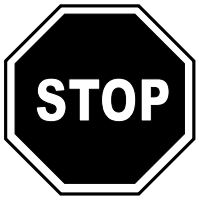
Flex-Force Power System™ 60V MAX Axial Blower

Model No. 51825—Serial No. 323000001 and Up



Register at www.Toro.com.
Original Instructions (EN)

3460-533



For assistance, please see www.Toro.com/support for instructional videos or contact your Authorized Service Dealer before returning this product.

Introduction

This blower is intended to be used by residential homeowners to move leaf-like debris as needed outdoors. It is designed to use Toro 60V lithium-ion battery packs. These battery packs are designed to be charged only by Toro 60V lithium-ion battery chargers. Using these products for purposes other than their intended use could prove dangerous to you and bystanders.

Read this information carefully to learn how to operate and maintain your product properly and to avoid injury and product damage. You are responsible for operating the product properly and safely.

Visit www.Toro.com for more information, including safety tips, training materials, accessory information, help finding a dealer, or to register your product.

Whenever you need service, genuine Toro parts, or additional information, contact an Authorized Service Dealer or Toro Customer Service and have the model and serial numbers of your product ready. Figure 1 identifies the location of the model and serial numbers on the product. Write the numbers in the space provided.

Important: **With your mobile device, you can scan the QR code (if equipped) on the serial number plate to access warranty, parts, and other product information.**

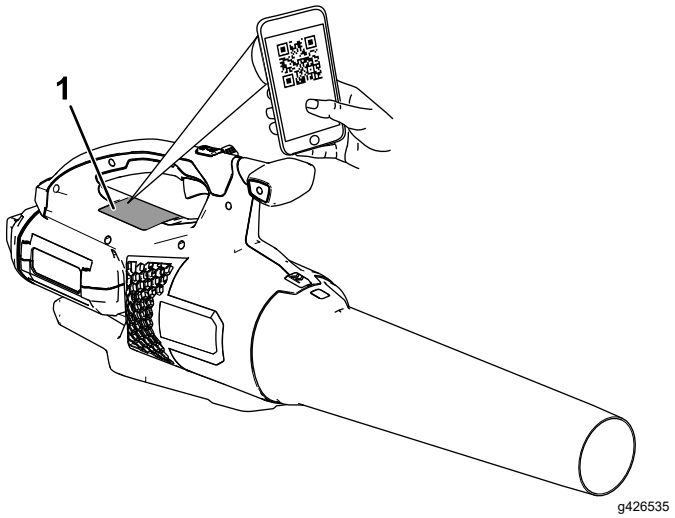


Figure 1

1. Model and serial number location.

Model No. _____

Serial No. _____

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Safety-Alert Symbol

The safety-alert symbol (Figure 2) shown in this manual and on the machine identifies important safety messages that you must follow to prevent accidents.



g000502

Figure 2
Safety-alert symbol

The safety-alert symbol appears above information that alerts you to unsafe actions or situations and is followed by the word **DANGER**, **WARNING**, or **CAUTION**.

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.

This manual uses two other words to highlight information. **Important** calls attention to special mechanical information and **Note** emphasizes general information worthy of special attention.

Safety

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

When using electric gardening tools, always read and follow basic safety warnings and instructions to reduce the risk of fire, electric shock, and personal injury, including the following:

Read All Instructions

I. Training

1. The operator of the tool is responsible for any accidents or hazards occurring to others or their property.
2. Do not allow children to use or play with the tool, battery pack, or the battery charger; local regulations may restrict the age of the operator.
3. Do not allow children or untrained people to operate or service this device. Allow only people who are responsible, trained, familiar with the instructions, and physically capable to operate or service the device.
4. Before using the tool, battery pack, and battery charger, read all the instructions and cautionary markings on these products.
5. Become familiar with the controls and proper use of the tool, battery pack, and battery charger.

II. Preparation

1. Keep bystanders and children away from the operating area.
2. Use only the battery pack specified by Toro. Using other accessories and attachments may increase the risk of injury and fire.
3. Plugging the battery charger into an outlet that is not 100 to 240 V can cause a fire or electric shock. Do not plug the battery charger into an outlet other than 100 to 240 V. For a different style of connection, use an attachment plug adapter of the proper configuration for the power outlet if needed.
4. Do not use a damaged or modified battery pack or battery charger, which may exhibit unpredictable behavior that results in fire, explosion, or risk of injury.
5. If the supply cord to the battery charger is damaged, contact an Authorized Service Dealer to replace it.

6. Charge the battery pack with only the battery charger specified by Toro. A charger suitable for one type of battery pack may create a risk of fire when used with another battery pack.
7. Charge the battery pack in a well-ventilated area only.
8. Follow all charging instructions and do not charge the battery pack outside of the temperature range specified in the instructions. Otherwise, you may damage the battery pack and increase the risk of fire.
9. Do not operate the tool without all guards and other safety protective devices in place and functioning properly on the tool.
10. Dress properly—Wear appropriate clothing, including eye protection; long pants; substantial, slip-resistant footwear; and hearing protection. Tie back long hair and do not wear loose clothing or loose jewelry that can get caught in moving parts. Wear a dust mask in dusty operating conditions.

III. Operation

1. Avoid dangerous environments—Do not use the tool in rain or in damp or wet locations.
2. Use the proper tool for your application—Using the tool for purposes other an its intended use could prove dangerous to you and bystanders.
3. Prevent unintentional starting—Ensure that the switch is in the OFF position before connecting to the battery pack and handling the tool. Do not carry the tool with your finger on the switch or energize the tool with the switch in the ON position.
4. Operate the tool only in daylight or good artificial light.
5. Remove the battery pack from the tool before adjusting it or changing accessories.
6. Keep your hands and feet away from the opening and all moving parts.
7. Stop the tool, remove the battery pack from the tool, and wait for all movement to stop before adjusting, servicing, cleaning, or storing the tool.
8. Remove the battery pack from the tool whenever you leave it unattended.
9. Do not force the tool—Allow the tool to do the job better and safer at the rate for which it was designed.
10. Do not overreach—Keep proper footing and balance at all times, especially on slopes. Walk, never run with the tool.
11. Stay alert—Watch what you are doing and use common sense when operating the tool. Do not use the tool while ill, tired, or under the influence of alcohol or drugs.
12. Ensure that the ventilation openings are kept clear of debris.
13. Do not insert any object into the opening or use the tool with a blocked opening. Keep the opening free from dust, lint, hair, or anything else that could reduce the air flow.
14. Use extra care when using the tool to clean stairways.
15. Under abusive conditions, the battery pack may eject liquid; avoid contact. If you accidently come into contact with the liquid, flush with water. If the liquid contacts your eyes, seek medical help. Liquid ejected from the battery pack may cause irritation or burns.
16. Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130°C (265°F) may cause explosion.
17. CAUTION—A mistreated battery pack may present a risk of fire, explosion, or chemical burn.
    - Do not disassemble the battery pack.
    - Replace the battery pack with a genuine Toro battery pack only; using another type of battery pack may cause a fire or risk of injury.
    - Keep battery packs out of the reach of children and in the original packaging until you are ready to use them.

IV. Maintenance and Storage

1. Maintain the tool with care—Keep it clean and in good repair for best performance and to reduce the risk of injury. Follow the instructions for lubricating and changing accessories. Keep handles dry, clean, and free from oil and grease.
2. When the battery pack is not in use, keep it away from metal objects such as paper clips, coins, keys, nails, and screws that can make a connection from one terminal to another. Shorting the battery terminals may cause burns or a fire.
3. Keep your hands and feet away from moving parts.
4. Stop the tool, remove the battery pack from the tool, and wait for all movement to stop before adjusting, servicing, cleaning, or storing the tool.
5. Check the tool for damaged parts—If there are damaged guards or other parts, determine whether it will operate properly. Check for misaligned and binding moving parts, broken parts, mounting, and any other condition that

may affect its operation. Unless indicated in the instructions, have an Authorized Service Dealer repair or replace a damaged guard or part.

6. Keep all fasteners on the tool tight.
7. Do not attempt to service or repair the tool, battery pack, or battery charger except as indicated in the instructions. Have an Authorized Service Dealer perform service using identical replacement parts to ensure that the product is safely maintained.
8. Store an idle tool indoors in a place that is dry, secure, and out of the reach of children.

SAVE THESE INSTRUCTIONS

Safety and Instructional Decals

Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or missing.



decal144-6026

144-6026

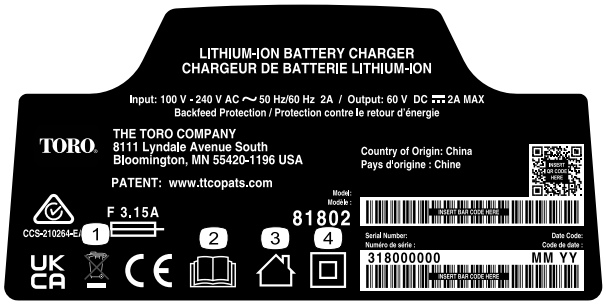
1. Warning—read the *Operator's Manual*; stay away from moving parts; keep all guards and shields in place; wear hearing protection; wear eye protection; do not expose to rain.
2. Warning—keep bystanders away from the machine in all directions.
3. Thrown object hazard—keep bystanders away.



decal137-9496

137-9496

1. The battery pack is charging.
2. The battery pack is fully charged.
3. The battery pack is over or under the appropriate temperature range.
4. Battery pack charging fault



decal144-6028

144-6028

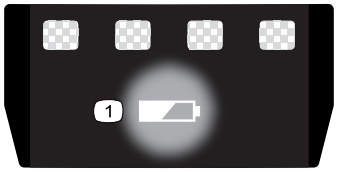
1. Do not dispose improperly
2. Read the *Operator's Manual*.
3. For indoor use
4. Double insulated



decal140-8486

140-8486

1. Keep away from open fire or flames.
2. Do not expose to rain.
3. Read the *Operator's Manual*.
4. Recycle the battery properly.
5. Contains lithium ions; do not dispose improperly.



decal137-9461

137-9461

1. Battery charge status

Setup

Important: **The battery pack is not fully charged when you purchase it. Before using the tool for the first time, refer to Charging the Battery Pack (page 10).**

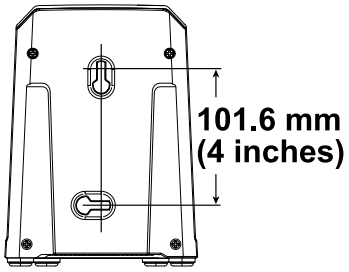
Mounting the Battery Charger (Optional)

If desired, mount the battery charger securely on a wall using the wall-mount key holes on the back of the charger.

Mount it indoors (such as a garage or other dry place), near a power outlet, and out of the reach of children.

Refer to Figure 3 for assistance in mounting the charger.

Slide the charger over the appropriately positioned hardware to secure the charger in place (hardware not included).

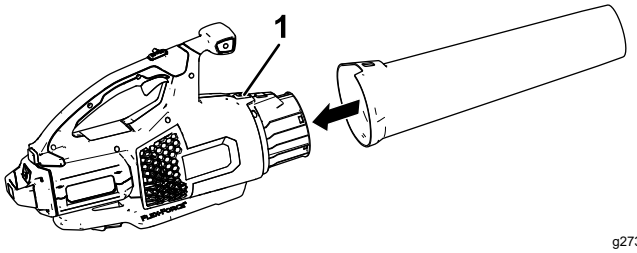


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Figure 3

Assembling the Blower

Slide the blower tube onto the blower housing. You may need to press down on the tube latch for the blower tube to lock into place (Figure 4).

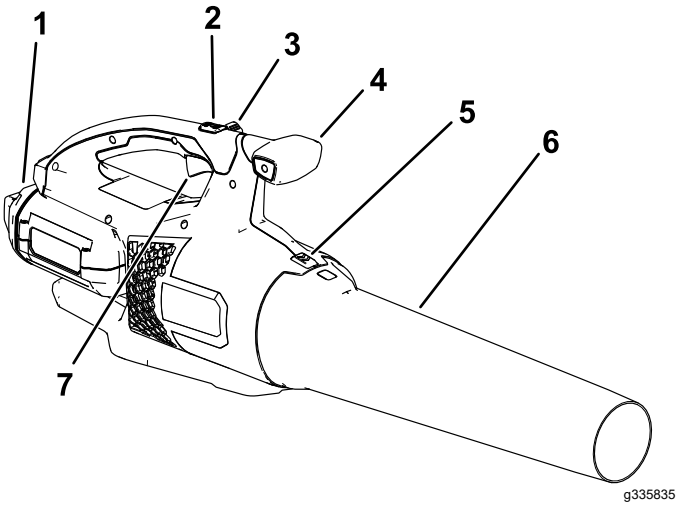


g273147

Figure 4

1. Tube latch

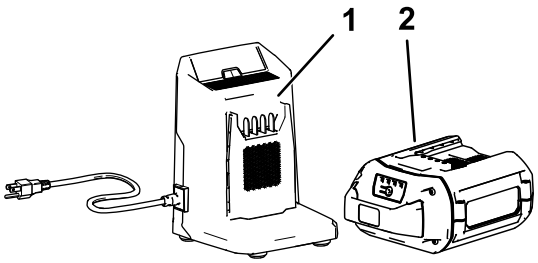
Product Overview



g335835

Figure 5

1. Battery and battery cavity
2. Turbo boost button
3. Speed lock
4. Handle knob
5. Blower tube latch
6. Blower tube
7. Variable-speed trigger



g353415

Figure 6

1. Battery charger Model 81802 (included with Model 51825)
2. Battery pack Model 81825 (included with Model 51825)

Specifications

Model	51825
Rated Voltage	60V DC maximum, 54 VDC nominal usage
Charger Type	Toro 60V lithium-ion chargers
Battery Type	Toro 60V lithum-ion batteries

Appropriate Temperature Ranges

Charge/ store the battery pack at	5°C (41°F) to 40°C (104°F)*
Use the battery pack at	-30°C (-22°F) to 49°C (120°F)
Use the blower at	0°C (32°F) to 49°C (120°F)

*Charging time will increase if you do not charge the battery within this range.

Store the tool, battery pack, and battery charger in an enclosed clean, dry area.

Attachments/Accessories

A selection of Toro approved attachments and accessories is available for use with the machine to enhance and expand its capabilities. Contact your Authorized Service Dealer or authorized Toro distributor or go to www.Toro.com for a list of all approved attachments and accessories.

To ensure optimum performance and continued safety certification of the machine, use only genuine Toro replacement parts and accessories. Replacement parts and accessories made by other manufacturers could be dangerous.

Operation

⚠ WARNING

The blower can throw debris, possibly causing serious personal injury to you or bystanders.

- **Do not blow hard objects, such as nails or bolts.**
- **Do not operate the blower near bystanders or pets.**
- **Be careful of blowing direction (i.e., blow away from bystanders, windows, automobiles, etc.). Only use as much speed as required.**
- **Use extra care when cleaning debris from stairs or other tight areas.**

Starting the Blower

Important: **Use the battery pack only in temperatures that are within the appropriate range; refer to Specifications (page 8).**

1. Make sure that the vents on the blower are clear of any dust and debris.
2. Align the cavity on the battery pack with the tongue in the handle housing (Figure 7).
3. Grasp the handle, and push the battery pack into the handle until the latch locks into place (Figure 7).

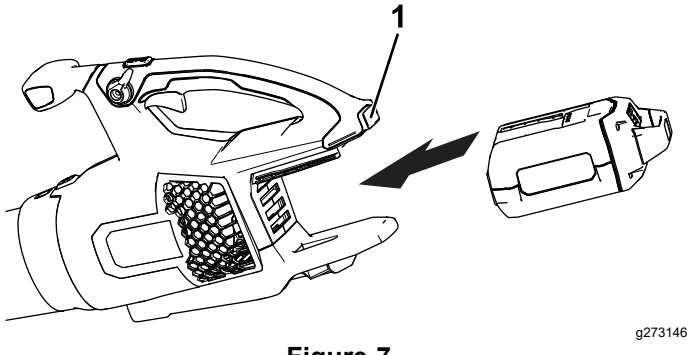
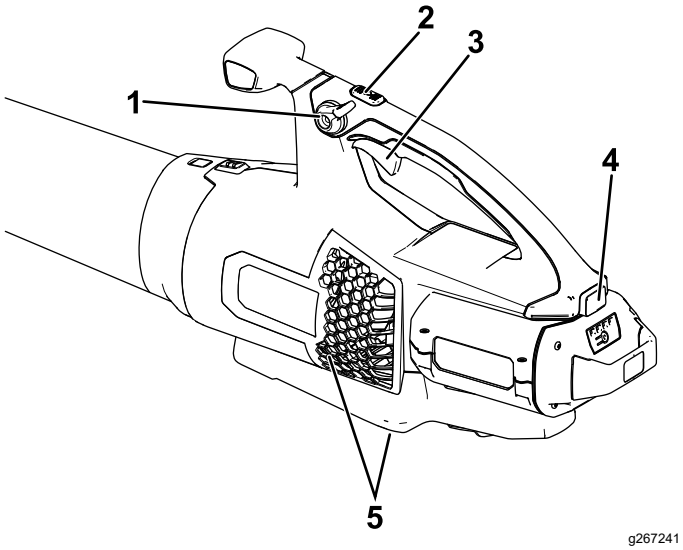


Figure 7

1. Battery latch

4. To start the blower, squeeze the variable-speed trigger (Figure 8).

   Note: Engage the speed lock to keep the machine on without pressing the variable-speed trigger (Figure 8).



g267241

Figure 8

1. Speed lock
2. Turbo boost button
3. Variable-speed trigger
4. Battery latch
5. Blower venting areas

Adjusting the Air Speed of the Blower

To achieve maximum performance (air speed), fully depress the variable-speed trigger, then press and hold the turbo boost button for the desired amount of time (Figure 8).

To adjust the air speed as you blow, use the variable-speed trigger (Figure 8).

To maintain the current air speed, engage the speed lock (Figure 8).

Shutting Off the Blower

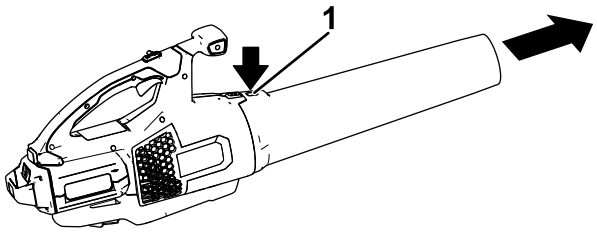
To shut off the blower, disengage the speed lock (if in use) and release the variable-speed trigger (Figure 8).

Important: **After stopping the blower, do not leave the speed lock engaged with the battery pack in the blower.**

Whenever you are not using the blower or are transporting the blower to or from the work area, remove the battery pack.

Removing the Blower Tube

Press down on the tube latch to separate the blower tube from the blower (Figure 9).



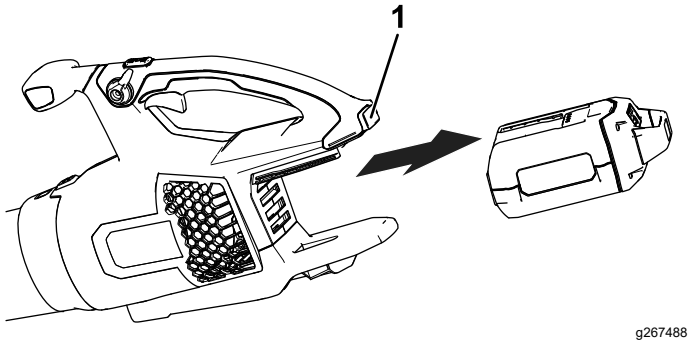
g273159

Figure 9

1. Tube latch

Removing the Battery from the Blower

Press the battery latch to release the battery pack and slide the battery pack out of the blower (Figure 10).



g267488

Figure 10

1. Battery latch

Charging the Battery Pack

Important: **The battery pack is not fully charged when you purchase it. Before using the tool for the first time, place the battery pack in the charger and charge it until the LED display indicates the battery pack is fully charged. Read all safety precautions.**

Important: **Charge the battery pack only in temperatures that are within the appropriate range; refer to Specifications (page 8).**

Note: At any time, press the battery-charge-indicator button on the battery pack to display the current charge (LED indicators).

1. Ensure that the vents on the battery and battery charger are clear of any dust and debris.

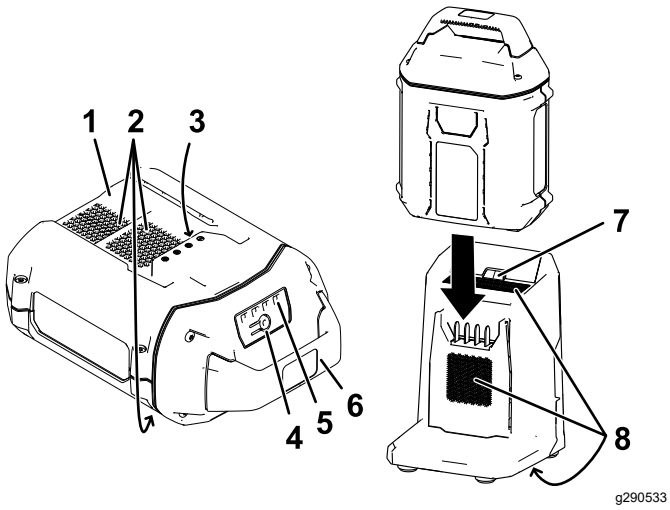


Figure 11

1. Battery pack cavity
2. Battery pack venting areas
3. Battery pack terminals
4. Battery-charge-indicator button
5. LED indicators (current charge)
6. Handle
7. Charger LED indicator light
8. Charger venting areas

2. Line up the cavity in the battery pack (Figure 11) with the tongue on the charger.
3. Slide the battery pack into the charger until it is fully seated (Figure 11).
4. To remove the battery pack, slide the battery backward out of the charger.
5. Refer to the following table to interpret the LED indicator light on the battery charger.

Indicator light	Indicates
Off	No battery pack inserted
Green blinking	Battery pack is charging
Green	Battery pack is charged
Red	Battery pack and/or battery charger is over or under the appropriate temperature range
Red blinking	Battery pack charging fault*

*Refer to Troubleshooting (page 12) for more information.

Important: **The battery can be left on the charger for short periods between uses.**

If the battery will not be used for longer periods, remove the battery from the charger; refer to Storage (page 11).

Storage

Important: **Store the tool, battery pack, and charger only in temperatures that are within the appropriate range; refer to Specifications (page 8).**

Important: **If you are storing the battery pack for the off-season, remove the battery pack from the tool and charge the battery pack until 2 or 3 LED indicators turn green on the battery. Do not store a fully charged or fully depleted battery. When you are ready to use the tool again, charge the battery pack until the left indicator light turns green on the charger or all 4 LED indicators turn green on the battery.**

- Disconnect the product from the power supply (i.e., remove the plug from the power supply or the battery pack) and check for damage after use.
- Do not store the tool with the battery pack installed.
- Clean all foreign material from the product.
- When not in use, store the tool, battery pack, and battery charger out of the reach of children.
- Keep the tool, battery pack, and battery charger away from corrosive agents, such as garden chemicals and de-icing salts.
- To reduce the risk of serious personal injury, do not store the battery pack outside or in vehicles.
- Store the tool, battery pack, and battery charger in an enclosed clean, dry area.

Preparing the Battery Pack for Recycling

Important: **Upon removal, cover the terminals of the battery pack with heavy-duty adhesive tape. Do not attempt to destroy or disassemble the battery pack or remove any of its components.**

Contact your local municipality or your authorized Toro distributor for more information on how to responsibly recycle the battery.

Troubleshooting

Perform only the steps described in these instructions. All further inspection, maintenance, and repair work must be performed by an authorized service center or a similarly qualified specialist if you cannot solve the problem yourself.

Always remove the battery from the tool when troubleshooting, inspecting, maintaining, or cleaning the tool.

Problem	Possible Cause	Corrective Action
The tool does not start.	1. The battery is not fully installed in the tool. 2. The battery pack is not charged. 3. The battery pack is damaged. 4. There is another electrical problem with the tool.	1. Remove and then replace the battery into the tool, making sure that it is fully installed and latched. 2. Remove the battery pack from the tool and charge it. 3. Replace the battery pack. 4. Contact an Authorized Service Dealer.
The tool does not reach full power.	1. The battery pack charge capacity is too low. 2. The air vents are blocked.	1. Remove the battery pack from the tool and fully charge the battery pack. 2. Clean the air vents.
The tool does not run or does not run continuously.	1. There is moisture on the leads of the battery pack. 2. The battery is not fully installed in the tool. 3. The battery pack is low on charge.	1. Allow the battery pack to dry or wipe it dry. 2. Remove and then replace the battery in the tool, ensuring that it is fully installed and latched. 3. Charge the battery pack.
The speed lock does not hold when engaged.	1. The speed lock screw is loose.	1. Tighten the speed lock screw by turning the speed lock screw ¼ turn. If the speed lock still does not hold when engaged, turn the speed lock screw an additional ¼ turn.
The battery pack loses charge quickly.	1. The battery pack is over or under the appropriate temperature range.	1. Move the battery pack to a place where it is dry and the temperature is between 5°C (41°F) and 40°C (104°F).
The battery charger is not working.	1. The battery charger is over or under the appropriate temperature range. 2. The outlet that the battery charger is plugged into does not have power.	1. Unplug the battery charger and move it to a place where it is dry and the temperature is between 5°C (41°F) and 40°C (104°F). 2. Contact your licensed electrician to repair the outlet.
The LED indicator light on the battery charger is red.	1. The battery charger and/or battery pack is over or under the appropriate temperature range.	1. Unplug the battery charger and move the battery charger and battery pack to a place where it is dry and the temperature is between 5°C (41°F) and 40°C (104°F).

Problem	Possible Cause	Corrective Action
The LED indicator light on the battery charger is blinking red.	1. There is an error in the communication between the battery pack and the charger.	1. Remove the battery pack from the battery charger, unplug the battery charger from the outlet, and wait 10 seconds. Plug the battery charger into the outlet again and place the battery pack on the battery charger. If the LED indicator light on the battery charger is still blinking red, repeat this procedure again. If the LED indicator light on the battery charger is still blinking red after 2 attempts, properly dispose of the battery pack at a battery recycling facility.
	2. The battery pack is weak.	2. Properly dispose of the battery pack at a battery recycling facility.

Notes:

EEA/UK Privacy Notice

Toro's Use of Your Personal Information

The Toro Company ("Toro") respects your privacy. When you purchase our products, we may collect certain personal information about you, either directly from you or through your local Toro company or dealer. Toro uses this information to fulfil contractual obligations - such as to register your warranty, process your warranty claim or to contact you in the event of a product recall - and for legitimate business purposes - such as to gauge customer satisfaction, improve our products or provide you with product information which may be of interest. Toro may share your information with our subsidiaries, affiliates, dealers or other business partners in connection these activities. We may also disclose personal information when required by law or in connection with the sale, purchase or merger of a business. We will never sell your personal information to any other company for marketing purposes.

Retention of your Personal Information

Toro will keep your personal information as long as it is relevant for the above purposes and in accordance with legal requirements. For more information about applicable retention periods please contact legal@toro.com.

Toro's Commitment to Security

Your personal information may be processed in the US or another country which may have less strict data protection laws than your country of residence. Whenever we transfer your information outside of your country of residence, we will take legally required steps to ensure that appropriate safeguards are in place to protect your information and to make sure it is treated securely.

Access and Correction

You may have the right to correct or review your personal data, or object to or restrict the processing of your data. To do so, please contact us by email at legal@toro.com. If you have concerns about the way in which Toro has handled your information, we encourage you to raise this directly with us. Please note that European residents have the right to complain to your Data Protection Authority.



Count on it.