



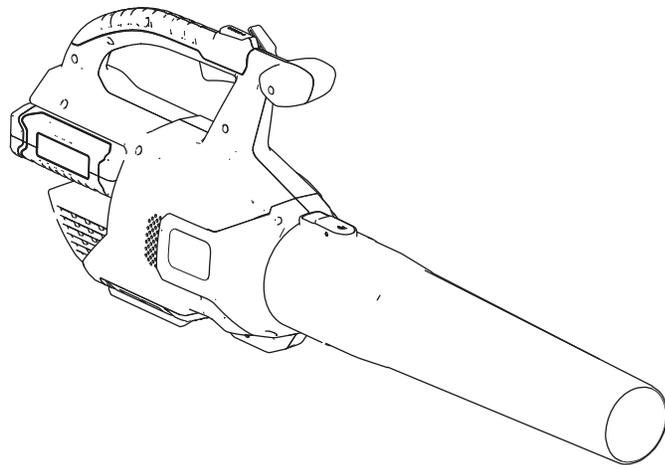
**Count on it.**

**Operator's Manual**

# Power Plex™ 40V MAX Axial Blower

Model No. 51690—Serial No. 317000001 and Up

Model No. 51690T—Serial No. 317000001 and Up





If you have questions or problems, call toll free 1-888-367-6631 (US) or 1-888-430-1687 (Canada) before returning this product.

### ▲ WARNING

#### CALIFORNIA Proposition 65 Warning

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects, or reproductive harm.

## Introduction

This blower is intended to be used by residential homeowners to move leaf-like debris as needed outdoors. It is designed primarily to use battery pack Model 88540 (provided with Model 51690) or 88541.

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.

Register your product at [www.Toro.com](http://www.Toro.com) to ensure that Toro can notify you in the case of a safety or warranty product recall.

**Model 51690T does not include a battery or a charger.**

## Safety

**WARNING:** When using electric gardening appliances, always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury, including the following:

### ▲ WARNING

Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury.

Read all safety warnings and all instructions.

Save all warnings and instructions for future reference.

The term “power tool” in all of the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. **Work area safety**
  - A. **Keep the work area clean and well lit.** *Cluttered or dark areas invite accidents.*
  - B. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gasses, or dust.** *Power tools create sparks which may ignite the dust or fumes.*
  - C. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*
2. **Personal safety**
  - A. **Stay alert; watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
  - B. **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
  - C. **Prevent unintentional starting. Ensure that the switch is in the OFF position before connecting to a power source and/or battery pack and 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.*
  - D. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
  - E. **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.** *Loose clothes, jewelry, or long hair can be caught in moving parts.*
  - F. **Keep your hands and feet away from the cutting area.**
3. **Power tool use and care**

- A. **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- B. **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- C. **Remove 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.*
- D. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- E. **Store idle appliances indoors.** *When not in use, appliances should be stored indoors in a dry and high or locked-up place, out of the reach of children.*
- F. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- G. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- H. **Use the power tool in accordance with these instructions and in the manner intended for**

the particular type of power tool, taking into account the working conditions and the work to be performed. *Using the power tool for operations different from those intended could result in a hazardous situation.*

- I. **Keep guards in place and in working order.**
- 4. **Service**  
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.*
- 5. **Battery Safety**
  - A. Do not charge appliance in rain, or in wet locations.
  - B. Do not use battery-operated appliance in the rain.
  - C. Use only the following type and size battery(ies): Toro battery Model 88540 or 88541.
  - D. Remove or disconnect the battery before servicing, cleaning, or removing material from the gardening appliance.
  - E. Do not dispose of the battery(ies) in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
  - F. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
  - G. Exercise care 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.

**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.

**WARNING** TO REDUCE THE RISK OF INJURY, USER MUST READ INSTRUCTION MANUAL. Do not expose to rain. For household use only. Do not incinerate this appliance, even if it is severely damaged. The batteries can explode in a fire. To reduce risk of injury to persons, remove battery pack when not in use. Use only TORO PowerPlex battery.

**AVERTISSEMENT** POUR RÉDUIRE LES RISQUES DE BLESSURES, LISEZ ATTENTIVEMENT LE MANUEL DE L'UTILISATEUR. Ne l'exposez pas à la pluie. Réservez à l'usage domestique. Ne pas incinérer cet appareil, même s'il est gravement endommagé. Les batteries risquent d'exploser dans le feu. Pour minimiser les risques de blessures corporelles, retirez le bloc de batteries lorsqu'il ne sert pas. Utilisez uniquement avec batterie TORO PowerPlex.

40V MAX\* DC PATENT: www.tfcopats.com THE TORO COMPANY Country of Origin: PRC / Pays d'origine : PRC  
 8111 Lyndale Avenue South Bloomington, MN 55420-1196 USA Modèle: 51690

Battery manufacturer rating = 40V maximum & 36V nominal. Actual voltage varies with load.  
 \*Tension indiquée par le fabricant de la batterie = 40 V max., 36 V nominale. La tension réelle varie en fonction de la charge.

UL STD UL STD 1017 Certified to CAN/CSA STD C22.2 #243 Conforms to Intertek 313166

Serial Number: [Redacted] Numéro de série: [Redacted] Date Code: [Redacted] Code de date: [Redacted]

decal136-2467

**136-2467**  
Model 51690

**WARNING** TO REDUCE THE RISK OF INJURY, USER MUST READ INSTRUCTION MANUAL. Do not expose to rain. For household use only. Do not incinerate this appliance, even if it is severely damaged. The batteries can explode in a fire. To reduce risk of injury to persons, remove battery pack when not in use. Use only TORO PowerPlex battery.

**AVERTISSEMENT** POUR RÉDUIRE LES RISQUES DE BLESSURES, LISEZ ATTENTIVEMENT LE MANUEL DE L'UTILISATEUR. Ne l'exposez pas à la pluie. Réservez à l'usage domestique. Ne pas incinérer cet appareil, même s'il est gravement endommagé. Les batteries risquent d'exploser dans le feu. Pour minimiser les risques de blessures corporelles, retirez le bloc de batteries lorsqu'il ne sert pas. Utilisez uniquement avec batterie TORO PowerPlex.

40V MAX\* DC PATENT: www.tfcopats.com THE TORO COMPANY Country of Origin: PRC / Pays d'origine : PRC  
 8111 Lyndale Avenue South Bloomington, MN 55420-1196 USA Modèle: 51690T

Battery manufacturer rating = 40V maximum & 36V nominal. Actual voltage varies with load.  
 \*Tension indiquée par le fabricant de la batterie = 40 V max., 36 V nominale. La tension réelle varie en fonction de la charge.

UL STD UL STD 1017 Certified to CAN/CSA STD C22.2 #243 Conforms to Intertek 313166

Serial Number: [Redacted] Numéro de série: [Redacted] Date Code: [Redacted] Code de date: [Redacted]

decal136-2468

**136-2468**  
Model 51690T



136-2471

decal136-2471



136-2533

decal136-2533

1. Warning—read the *Operator's Manual*; keep away from moving parts; keep all guards and covers in place; wear eye protection; do not operate in wet conditions.



136-2473

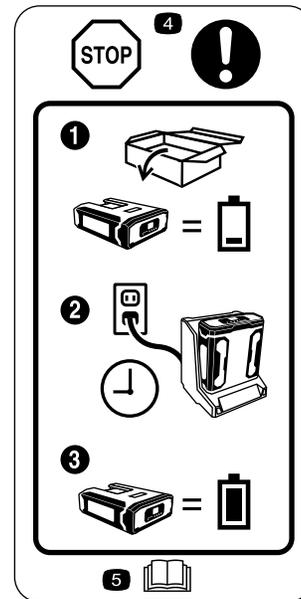
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136-2476

decal136-2476

1. The battery pack is charging.
2. The battery pack is fully charged.
3. The battery pack is too warm.
4. Replace the battery pack.



136-2534

decal136-2534

1. The battery does not come out of the box fully charged.
2. Place the battery in the battery charger.
3. Wait until the battery is fully charged before the first use.
4. Stop—follow these instructions before first use.
5. Read the *Operator's Manual*.

# Setup

**Note:** 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 7).

## 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 1](#) for assistance in mounting the charger.

**Note:** Slide and twist the charger over the appropriately positioned hardware to secure the charger in place (hardware not included).

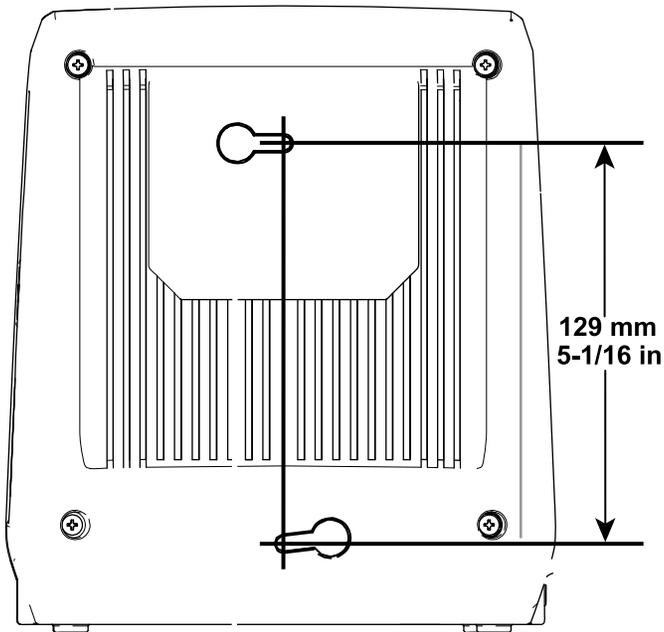


Figure 1

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## Assembling the Blower

1. Slide the blower tube onto the blower housing. You may need to press down on the tab for the blower tube to lock into place ([Figure 2](#)).

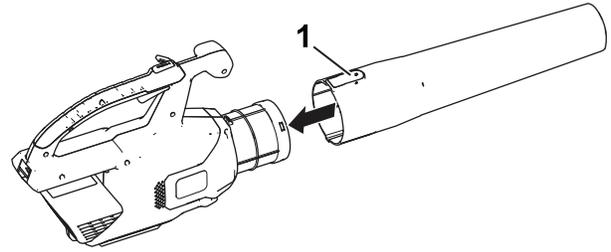


Figure 2

g190102

1. Tab

2. Align the cavity on the battery pack with the tongue in the handle housing, grasp the handle, and push the battery pack into the handle until the latch locks into place ([Figure 3](#)).

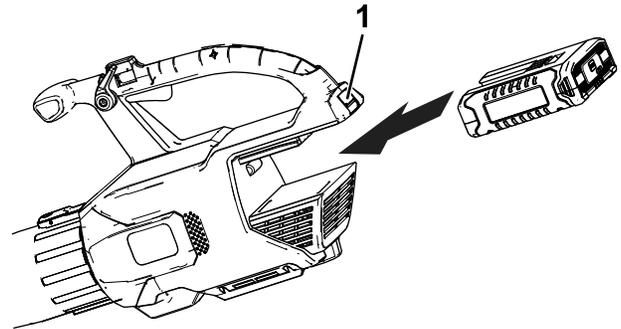


Figure 3

g194149

1. Battery latch

# Operation

## ⚠ WARNING

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

- Do not blow hard objects, such as nails, bolts, or rocks.
- Do not operate the blower near bystanders or pets.
- Use extra care when cleaning debris from stairs or other tight areas.
- Wear safety goggles or other suitable eye protection, long pants, and shoes.

## Starting the Blower

1. Make sure that the vents on the blower are clear of any dust and debris.
2. To start the blower, squeeze the variable-speed trigger (Figure 4).

**Note:** Engage the speed lock to keep the machine on without pressing the variable-speed trigger (Figure 4).

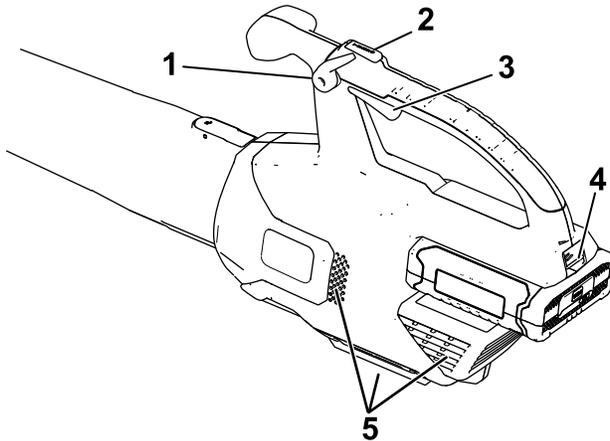


Figure 4

g194437

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

## Adjusting the Air Speed of the Blower

To accelerate the blower speed, press and hold the turbo boost button for the desired amount of time (Figure 4).

## Stopping the Blower

To stop the blower, disengage the speed lock (if in use) and release the variable-speed trigger (Figure 4).

## Removing the Blower Tube

Press down on the tab to separate the blower tube from the blower (Figure 5).

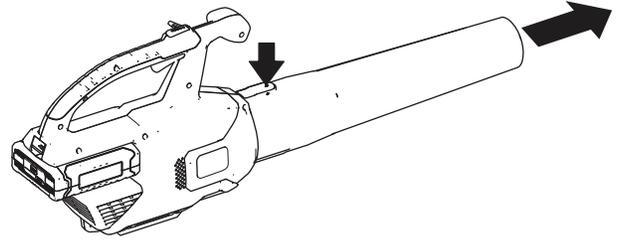


Figure 5

g190104

## Removing the Battery from the Blower

Press down on the battery latch to separate the battery from the blower (Figure 6).

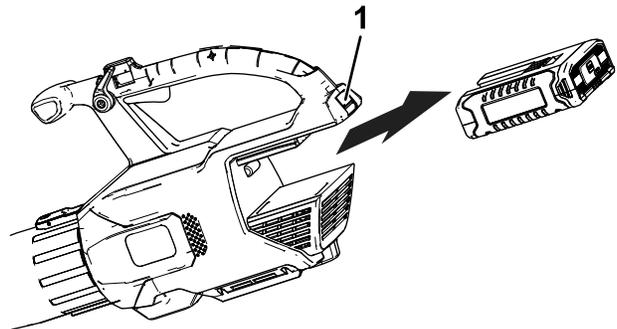


Figure 6

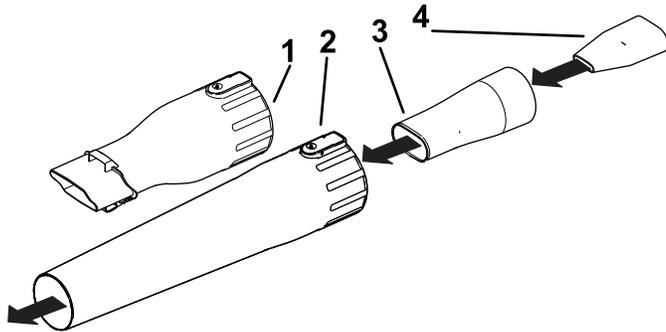
g194150

1. Battery latch

# Using the Attachments

Use the provided attachments as needed.

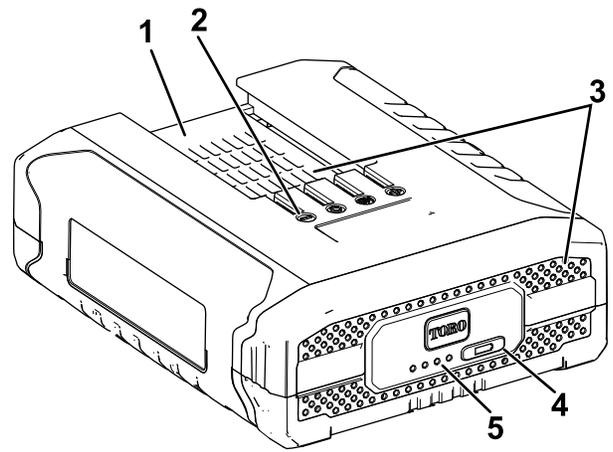
**Note:** The Gutter Cleaner Kit (Model 51667) and Oscillating Tube (Model 51664) are sold separately.



**Figure 7**

g194438

- |                           |                                  |
|---------------------------|----------------------------------|
| 1. Gutter cleaner adaptor | 3. Oscillator/MPH insert adapter |
| 2. Blower tube            | 4. MPH insert                    |



**Figure 8**

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- |                               |                                    |
|-------------------------------|------------------------------------|
| 1. Battery pack cavity        | 4. Battery-charge-indicator button |
| 2. Battery pack terminals     | 5. LED indicators (current charge) |
| 3. Battery pack venting areas |                                    |

# Charging the Battery Pack

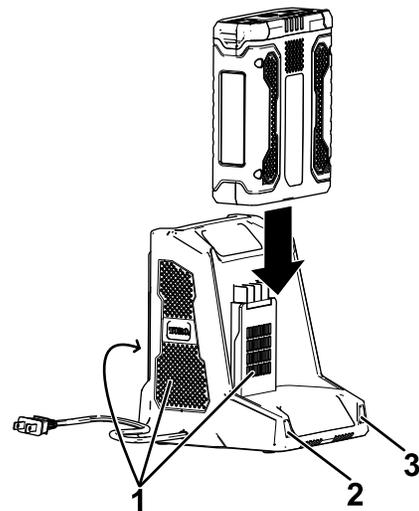
**Important:** Read all safety precautions.

**Important:** For best results, your battery pack should be charged in a location where the temperature is more than 0°C (32°F) but less than 50°C (122°F). To reduce the risk of serious personal injury, do not store the battery pack outside or in vehicles. Charging time increases if you do not charge it within this range.

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

1. Make sure that the vents on the battery are clear of any dust and debris.
2. Line up the cavity in the battery pack (Figure 8) with the tongue on the charger.

3. Make sure that the vents on the battery charger are clear of any dust and debris.
4. Slide the battery pack into the charger until it is fully seated (Figure 9).



**Figure 9**

g194423

- |                          |                          |
|--------------------------|--------------------------|
| 1. Charger venting areas | 3. Right indicator light |
| 2. Left indicator light  |                          |

5. To remove the battery pack, slide the battery backward out of the charger.

6. Refer to the following table to interpret the LED indicators on the battery charger.

Left Light	Right Light	Indicates:
Off	Red	Charger is on; no battery pack inserted
Red	Red	Battery pack is charging
Green	Red	Battery pack is charged
Orange	Red	Battery pack is too warm
Red Blinking	Red	Replace the battery pack

## Storage

**Important:** Store the tool, battery pack, and battery charger only in temperatures that are between -20°C (-4°F) and 70°C (158°F).

**Important:** Unplug the charger if you store it below -20°C (-4°F) or above 70°C (158°F).

**Important:** If you are storing the tool for a prolonged period of time, remove the battery pack. When ready to use again, charge the battery pack until the left indicator light turns green on the charger or all 4 LED indicators turn blue 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.
- 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.
- Store the tool, battery pack, and battery charger in a 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. Recycle or properly dispose of lithium-ion battery packs at a battery recycling facility.

# 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.

Problem	Possible Cause	Corrective Action
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 0°C (32°F) and 50°C (122°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 0°C (32°F) and 50°C (122°F). 2. Contact your licensed electrician to repair the outlet.
The tool does not run or run continuously.	1. There is moisture on the leads of the battery pack. 2. The battery is not fully installed in the tool.	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.
The battery pack shows only 3 LED indicators after only a few seconds of using a fully charged battery.	1. This is a normal occurrence.	1. Stop the tool and press battery-charge-indicator button or the remove the battery from the tool to display the actual battery charge.
All 4 LED indicators are blinking on the battery pack after you press the battery-charge-indicator button on the battery pack and the current charge displays (when the battery pack is not in use).	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 0°C (32°F) and 50°C (122°F).
All 4 LED indicators are blinking on the battery pack after releasing the trigger (when the battery pack is in use).	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 0°C (32°F) and 50°C (122°F).
2 LED indicators are blinking on the battery pack after you press the battery-charge-indicator button on the battery pack and the current charge displays (when the battery pack is not in use).	1. There is a difference in voltage between cells in the battery pack.	1. Place the battery on the charger until it is fully charged.
2 LED indicators are blinking on the battery pack after releasing the trigger (when the battery pack is in use).	1. There is a difference in voltage between cells in the battery pack.	1. Place the battery on the charger until it is fully charged.

**Notes:**

**Notes:**

## The Toro Promise - Electric Products

### A Three-Year<sup>1</sup> Full Warranty for Residential Use for the United States and Canada

The Toro Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly warrant this product for three years against defects in material or workmanship when used for normal residential purposes.\*

<sup>1</sup> Does not include the battery. 1 Year Battery Warranty for Residential Use.

If you think your Toro Product contains a defect in materials or workmanship, if you have questions or problems, and before returning this product call toll free:

**Trimmers:**

1-800-237-2654 (US)

1-800-248-3258 (Canada)

**Chainsaw:**

1-855-340-7689 (US and Canada)

**Blowers:**

1-888-367-6631 (US)

1-888-430-1687 (Canada)

**Snowthrowers:**

1-800-808-2963 (US)

1-800-808-3072 (Canada)

To receive a replacement or repair, at our option, return the complete unit to the seller. United States and Canada customers may return their product, with proof of purchase, to any Authorized Service Dealer. United States customers may also return their product, with proof of purchase, postage prepaid, to the Toro Service Center, 5500 SE Delaware, Ankeny, IA 50021.

This warranty covers product defects only. **Neither The Toro Company nor Toro Warranty Company is liable for indirect, incidental, or consequential damages in connection with the use of the Toro Products covered by this warranty, including any cost or expense of providing substitute equipment or service during reasonable periods of malfunction or non-use pending completion of repairs under this warranty. Some states do not allow exclusions of incidental or consequential damages, so the above exclusions may not apply to you.** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### Countries Other than the United States and Canada

This warranty is not valid in Mexico. Customers who have purchased Toro products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province, or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the Toro importer. If all other remedies fail, you may contact us at Toro Warranty Company.

### Australian Consumer Law

Australian customers will find details relating to the Australian Consumer Law either inside the box or at your local Toro Dealer.

\* Residential use means use of the product on the same lot as your home.

Part Number 374-0262 Rev. G