Form No. 3437-759 Rev D

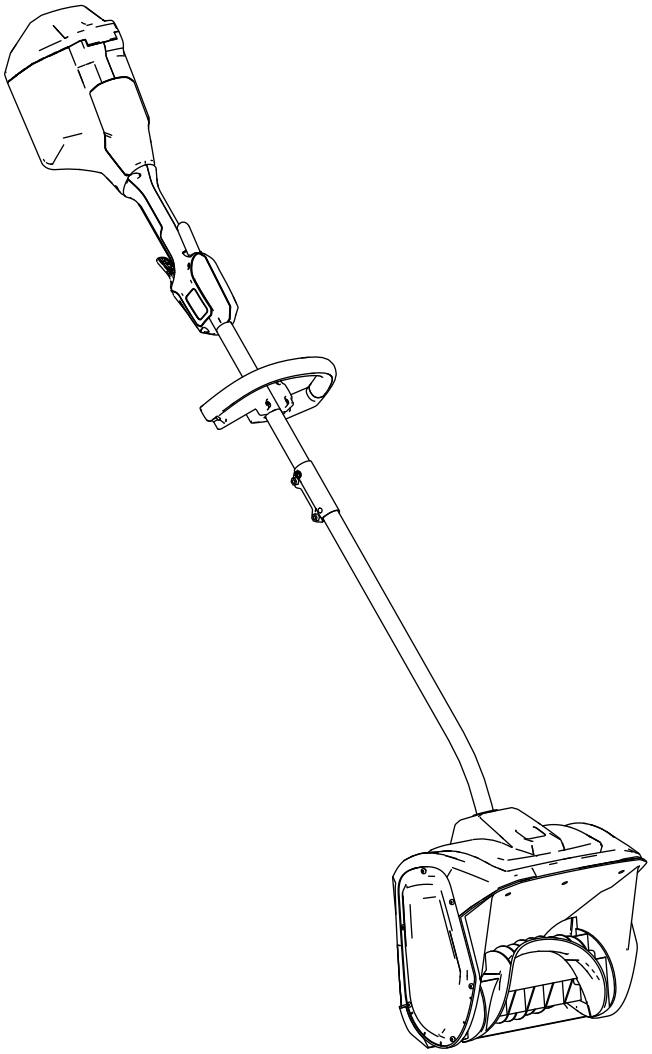
TORO®

Count on it.

Operator's Manual

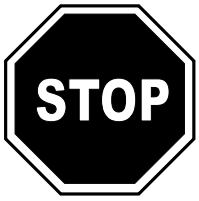
60V Cordless Power Shovel™

Model No. 39909—Serial No. 320000001 and Up
Model No. 39909T—Serial No. 320000001 and Up



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

3437-759



For assistance, please see www.Toro.com/support for instructional videos or contact 1-888-384-9939 before returning this product.

⚠ WARNING

CALIFORNIA
Proposition 65 Warning

The power cord on this product contains lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.

Use of this product may cause exposure to chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Introduction

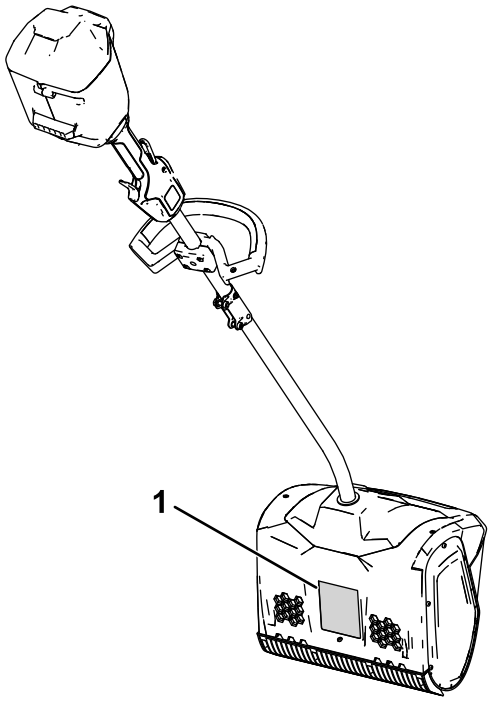
This product is intended to be used by residential homeowners. It is designed for removing up to 15 cm (6 inches) of snow from patios, sidewalks, and small driveways. It is not designed for removing materials other than snow, nor is it designed for clearing off gravel surfaces. It is to be used only by adults. It is designed to use Toro Flex-Force lithium-ion battery pack Models 88625 (included with Model 39909), 88620, 88640, 88650, 88660, or 88675. These battery packs are designed to be charged only by battery charger Models 88602 (included with Model 39909), 88605, or 88610. Using these products for purposes other than their intended use could prove dangerous to you and bystanders.

Model 39909T does not include a battery or a charger.

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.**



g316331

Figure 1

1. Model and serial number location.

Model No. _____

Serial No. _____

This manual identifies potential hazards and has safety messages identified by the safety-alert symbol (Figure 2), which signals a hazard that may cause serious injury or death if you do not follow the recommended precautions.



sa-black

Figure 2
Safety-alert symbol

This manual uses 2 words to highlight information. **Important** calls attention to special mechanical information and **Note** emphasizes general information worthy of special attention.

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8111 Lyndale Avenue South
Bloomington, MN 55420

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Safety

WARNING—When using electric appliances, 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 appliance is responsible for any accidents or hazards occurring to others or their property.
2. Do not allow children to use or play with the appliance, 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 appliance, 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 appliance, battery pack, and battery charger.

II. Preparation

1. Keep bystanders and children away from the operating area.
2. Inspect the area where you will use the appliance and remove all objects that could interfere with the operation of the appliance or that the appliance could throw.
3. Use only the battery pack specified by Toro. Using other accessories and attachments may increase the risk of injury and fire.
4. Plugging the battery charger into an outlet that is not 120 V can cause a fire or electric shock. Do not plug the battery charger into an outlet other than 120 V. For a different style of connection, use an attachment plug adapter of the proper configuration for the power outlet if needed.
5. 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.
6. If the supply cord to the battery charger is damaged, contact an Authorized Service Dealer to replace it.
7. Do not use non-rechargeable batteries.
8. Charge the battery pack with only the battery charger specified by Toro. A charger suitable for

1 type of battery pack may create a risk of fire when used with another battery pack.

9. Charge the battery pack in a well-ventilated area only.
10. Do not expose a battery pack or battery charger to fire or to temperatures higher than 68°C (154°F).
11. 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.
12. Do not operate the appliance without all guards and other safety protective devices in place and functioning properly on the appliance.
13. Dress properly—Wear appropriate clothing; eye protection; long pants; substantial, slip-resistant rubber boots; and hearing protection. Tie back long hair and do not wear loose clothing or loose jewelry that can get caught in moving parts.

III. Operation

1. Avoid dangerous environments—Do not use the appliance in rain or in damp or wet locations.
2. Use the proper appliance for your application—Using the appliance 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 appliance. Do not carry the appliance with your finger on the switch or energize the appliance with the switch in the ON position.
4. Operate the appliance only in daylight or good artificial light.
5. Remove the battery pack from the appliance before adjusting it or changing accessories.
6. Keep your hands and feet away from all moving parts.
7. Remove the battery pack from the appliance, and wait for all movement to stop before adjusting, servicing, cleaning, or storing the appliance.
8. Remove the battery pack from the appliance whenever you leave it unattended.
9. Do not force the appliance—Allow the appliance 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 appliance.
11. Stay alert—Watch what you are doing and use common sense when operating the appliance. Do not use the appliance while ill, tired, or under the influence of alcohol or drugs.
12. Ensure that the ventilation openings are kept clear of debris.
13. 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.
14. CAUTION—A mistreated battery pack may present a risk of fire or chemical burn. Do not disassemble the battery pack. Do not heat the battery pack above 68°C (154°F) or incinerate it. Replace the battery pack with a genuine Toro battery pack only; using another type of battery pack may cause a fire or explosion. Keep battery packs out of the reach of children and in the original packaging until you are ready to use them.
15. Do not use the appliance on gravel surfaces.
16. If the appliance strikes a foreign object, follow these steps:
    - Release the trigger and the safety interlock switch.
    - Remove the battery from the appliance.
    - Inspect for damage.
    - Repair any damage before starting and operating the appliance.
17. Never direct the discharge toward people or areas where property damage can occur.

IV. Maintenance and Storage

1. Maintain the appliance 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 1 terminal to another. Shorting the battery terminals may cause burns or a fire.
3. Keep your hands and feet away from moving parts.
4. Remove the battery pack from the appliance, and wait for all movement to stop before adjusting, servicing, cleaning, or storing the appliance.
5. Check the appliance 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 appliance tight.
7. Do not attempt to service or repair the appliance, 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 appliance indoors in a place that is dry, secure, and out of the reach of children.
9. Do not dispose of the battery in a fire. The cell may explode. Check with local codes for possible special disposal instructions.

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.

Model 39909



decal140-8455

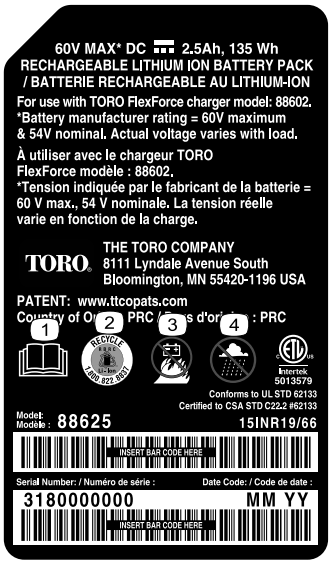
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Model 39909T



decal140-8456

140-8456



decal137-9454

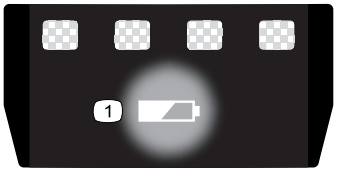
137-9454

1. Read the *Operator's Manual*.
2. Call2Recycle® battery recycling program
3. Keep away from open fire or flames.
4. Do not expose to rain.



decal137-9462

137-9462



decal137-9461

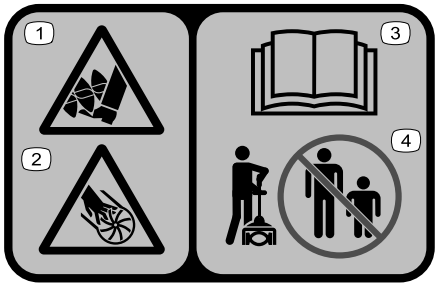
137-9461

1. Battery charge status



decal114-9034

114-9034



decal140-8464

140-8464

1. Cutting/dismemberment hazard of foot; auger
2. Cutting/dismemberment hazard of hand; impeller
3. Read the *Operator's Manual*.
4. Keep bystanders away.

Setup

Important: **The battery pack is not fully charged when it is purchased. Before using the machine for the first time, refer to Charging the Battery Pack (page 13).**

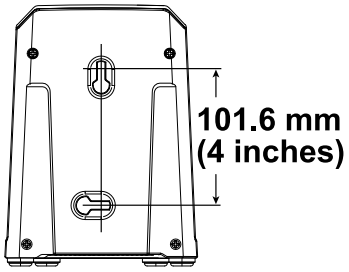
Mounting the Battery Charger (Optional)

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).



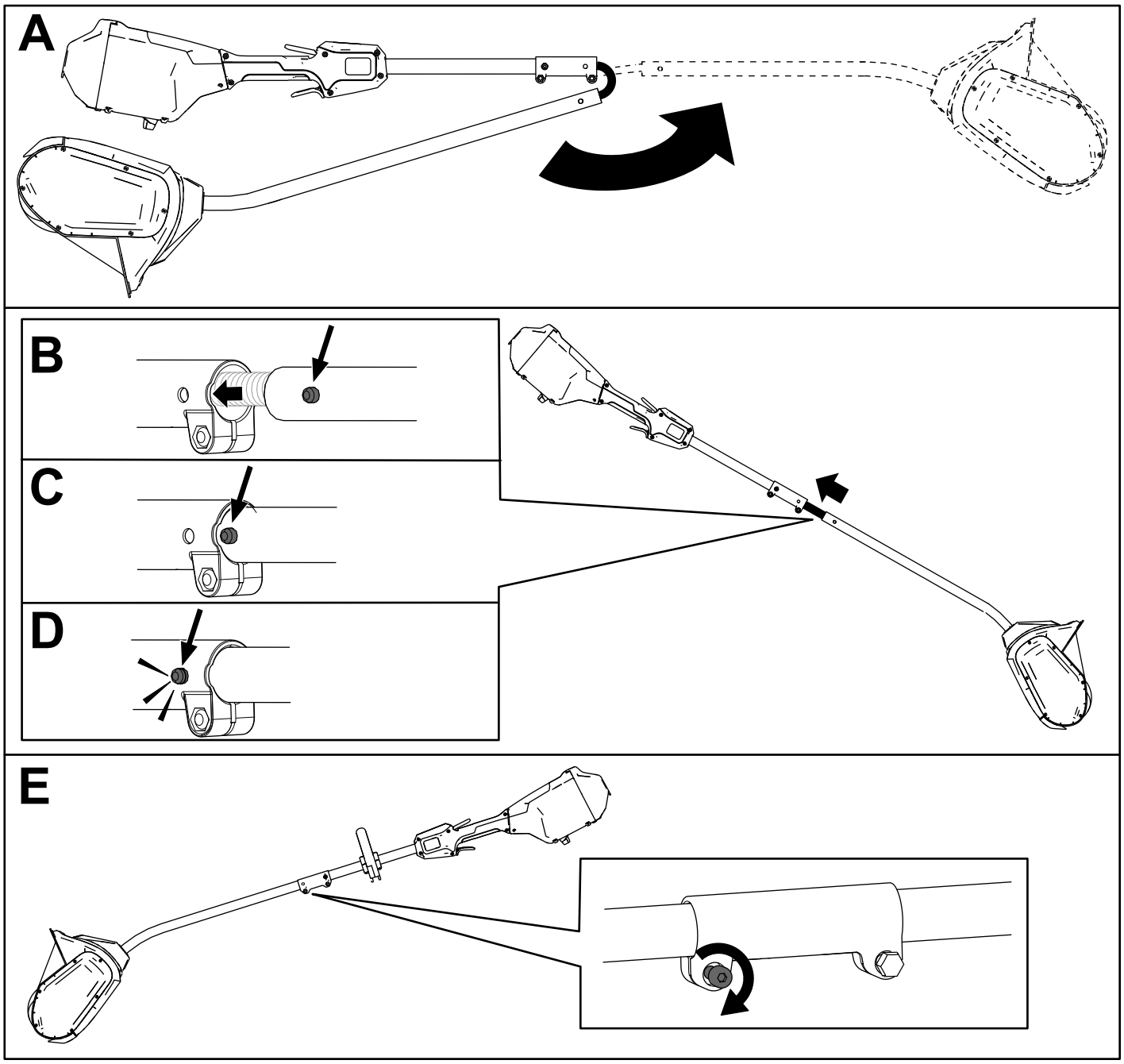
g290534

Figure 3

Unfolding the Handle

1. Unfold the handle (A of Figure 4).
2. Align the locking button on the lower shaft with the slotted hole on the upper shaft and slide the 2 shafts together (B and C of Figure 4).

   Note: The locking button clicks into the slotted hole when the shafts are secured (D of Figure 4).
3. Using the provided Allen wrench, tighten the screw on the shaft connector until it is secure (E of Figure 4).

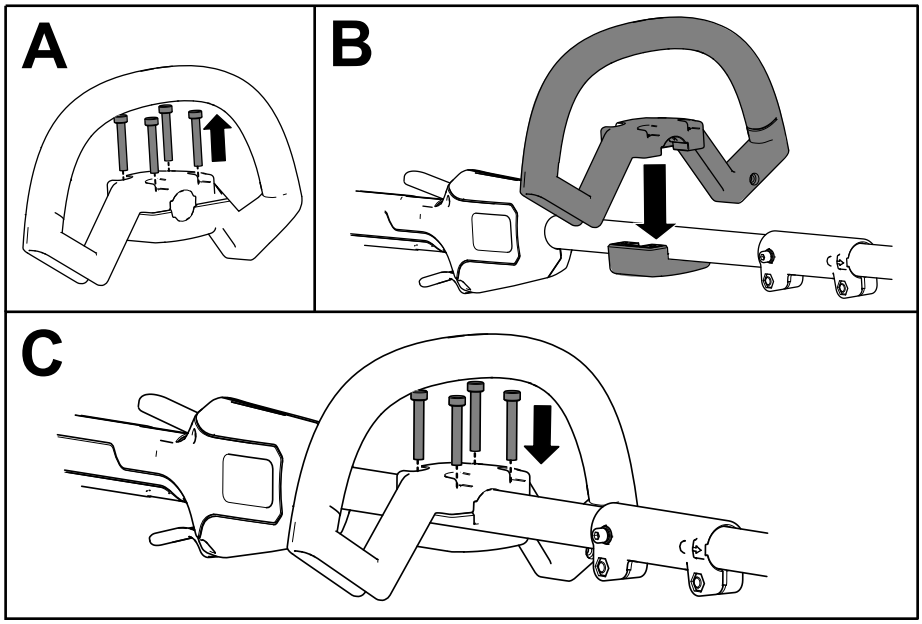


g316332

Figure 4

Installing the Auxiliary Handle

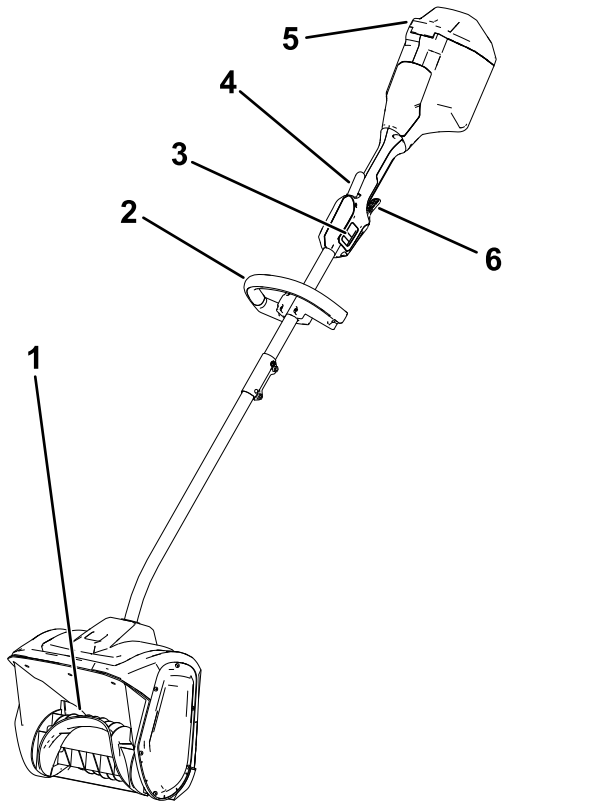
1. Separate the auxiliary handle from the handle plate by removing the 4 socket head screws using the provided Allen wrench (A of Figure 5).
2. Line up the auxiliary handle with auxiliary handle plate on the shaft (B of Figure 5).
3. Secure the auxiliary handle to the handle plate with the 4 socket head screws previously removed (C of Figure 5).



g382609

Figure 5

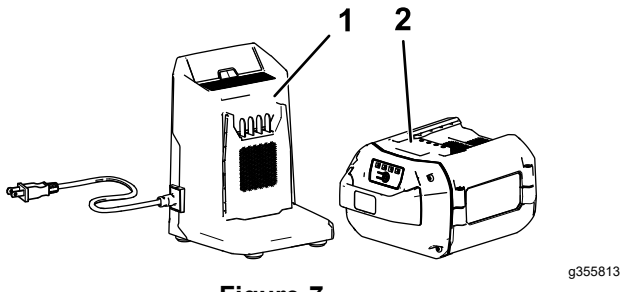
Product Overview



g317333

Figure 6

1. Rotor
2. Handle
3. Variable-speed switch
4. Lockout trigger
5. Battery lid
6. Run trigger



g355813

Figure 7

1. Battery charger Model (included with Model 39909)
2. Battery pack Model 88625 (included with Model 39909)

Specifications

Battery Pack

Model	**88625**
Battery pack capacity	2.5 Ah 135 Wh
Battery manufacturer rating = 60V maximum and 54V nominal. Actual voltage varies with load.	

Battery Charger

Model	**88602**
Type	60V MAX Lithium-Ion Battery Charger
Input	120V AC 50/60Hz Max 2.0A
Output	60V MAX DC 2.0A

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 machine at	-30°C (-22°F) to 49°C (120°F)*

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

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

Attachments/Accessories

A selection of Toro approved attachments and accessories may be 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, and such use could void the product warranty.

Operation

Starting the Machine

Important: **Use the battery pack only in temperatures that are within the appropriate range; refer to Specifications (page 11).**

1. Ensure that the vents on the back of the machine are clear of any snow or ice (Figure 8).

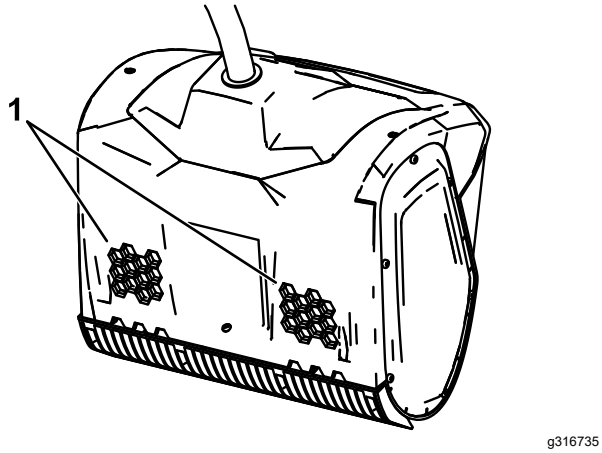


Figure 8

1. Air vents

2. Open the battery lid (Figure 9).
3. Align the cavity in the battery pack with the tongue in the battery compartment (Figure 9).
4. Push the battery pack into the battery compartment until the battery locks into the latch (Figure 9).

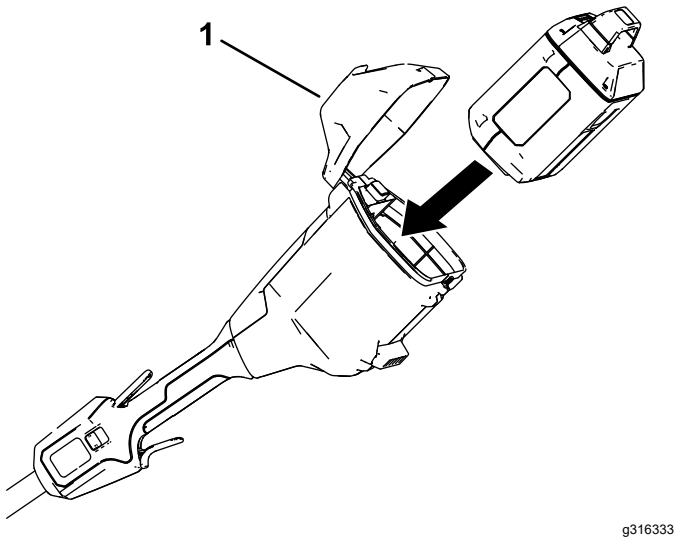


Figure 9

1. Battery lid

5. Close the battery lid.

Note: If the battery-compartment lid does not close completely, the battery is not fully installed.

6. To start the machine, squeeze the lockout trigger, then squeeze the run trigger (Figure 10).

Note: Slide the variable-speed switch to change the speed of the rotor.

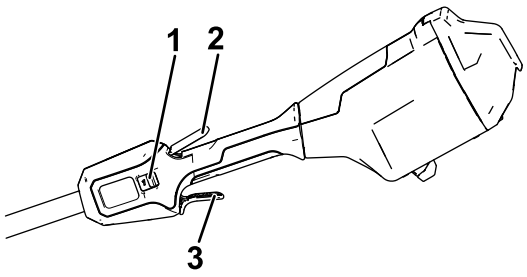


Figure 10

1. Variable-speed switch
2. Lockout trigger
3. Run trigger

Shutting Off the Machine

To shut off the machine, release the run trigger.

Whenever you are not using the machine or are transporting the machine to or from the work area, remove the battery pack; refer to Removing the Battery Pack (page 12).

Removing the Battery Pack

Open the battery lid, press the battery latch to release the battery pack, and slide the battery pack out of the machine (Figure 11).

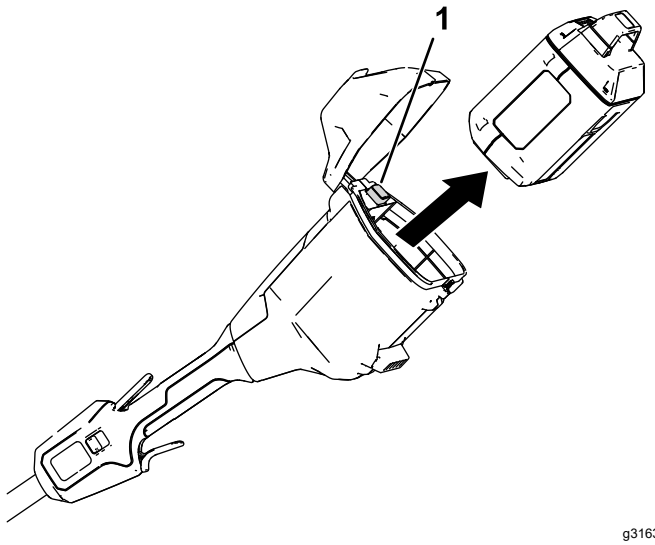


Figure 11

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 11).**

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 and charger are clear of any dust and debris.

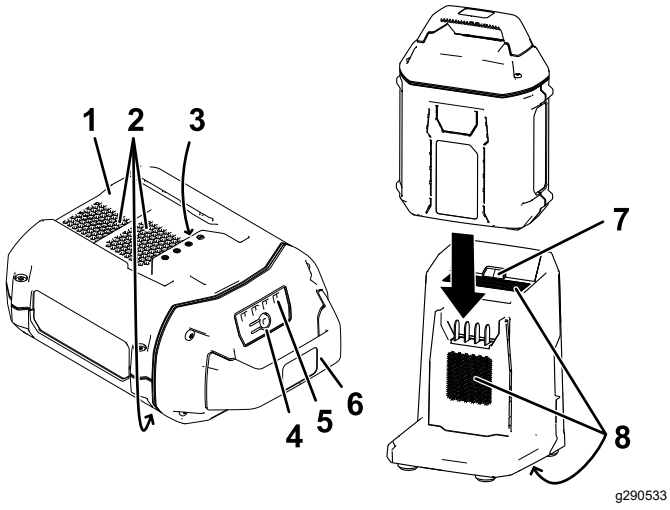


Figure 12

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 12) 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 12).
5. To remove the battery pack, slide the battery backward out of the charger.
6. 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 16) 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 15).**

Operating Tips

- Start the machine and tilt it forward until the scraper blade contacts the ground. Push the machine forward at a comfortable rate of speed, yet slow enough to clear the path completely. The width and depth of the snow determines your forward speed.
- For the most efficient snow removal, throw the snow downwind, and slightly overlap each swath.
- The machine can remove snow up to 15 cm (6 inches) deep in one pass. When clearing deeper drifts, hold the machine by the upper and lower handles and use a swinging or sweeping motion. Remove a maximum of 15 cm (6 inches) with each pass and repeat as many times as required.

Maintenance

⚠ DANGER

Contact with the rotor can cause serious personal injury.

- **Remove the battery pack before adjusting or maintaining the machine.**
- **Always wear gloves when adjusting or maintaining the machine.**

Replacing the Scraper Blade

Service Interval: Every 20 hours

Remove the 4 screws securing the scraper blade and replace the scraper blade as necessary.

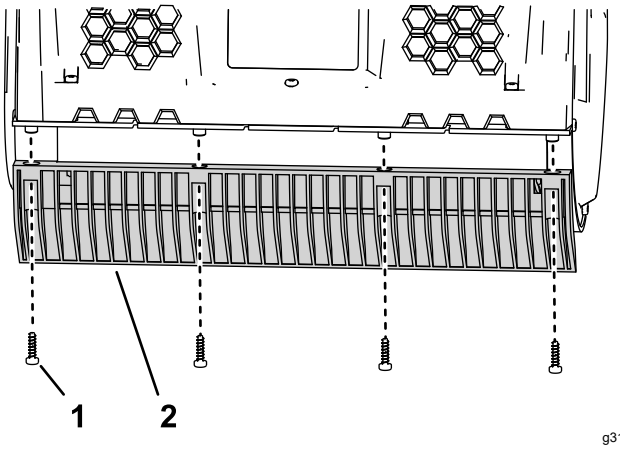


Figure 13

1. Screw
2. Scraper blade

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.**

	Lithium-ion battery packs labeled with the Call2Recycle seal can be recycled at any participating retailer or battery recycling facility in the Call2Recycle program (US and Canada only). To locate a participating retailer or facility closest to you, please call 1-800-822-8837 or visit www.call2recycle.org. If you cannot locate a participating retailer or facility nearby, or if your rechargeable battery is not labeled with the Call2Recycle seal, please contact your local municipality for more information on how to responsibly recycle the battery. If you are located outside of the US and Canada, please contact your authorized Toro distributor.

Service

Should the machine need service, take it to your Authorized Service Dealer.

Storage

Important: **Store the machine, battery pack, and charger only in temperatures that are within the appropriate range; refer to Specifications (page 11).**

Important: **If you are storing the battery pack for the off-season, charge it 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 machine 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 machine from the power supply (i.e., remove the battery pack) and check for damage after use.
- Clean all foreign material from the machine.
- Do not store the machine with the battery pack installed.
- Store the machine, battery pack, and battery charger in a well-ventilated place that is inaccessible to children.
- Keep the machine, 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 machine, battery pack, and battery charger in an enclosed clean, dry area.

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 machine does not run or does not run continuously.	1. The battery is not fully installed in the machine.	1. Remove and then replace the battery into the machine, making sure that it is fully installed and latched.
	2. The battery pack is not charged.	2. Remove the battery pack from the machine and charge it.
	3. The battery pack is damaged.	3. Replace the battery pack.
	4. There is another electrical problem with the machine.	4. Contact an Authorized Service Dealer.
The machine does not reach full power.	1. The battery pack charge capacity is too low.	1. Remove the battery pack from the machine and fully charge the battery pack.
	2. The air vents are blocked.	2. Clean the air vents.
The machine is producing excessive vibration or noise.	1. The rotor is damaged.	1. Contact an Authorized Service Dealer.
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).
	2. The machine is overloaded	2. Work at a slower pace.
The battery charger is not working.	1. The battery charger is over or under the appropriate temperature range.	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. The outlet that the battery charger is plugged into does not have power.	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).
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. Contact your authorized service dealer if the battery is in warranty, or properly dispose of the battery pack at a battery recycling facility.

Notes:

Notes:

California Proposition 65 Warning Information

What is this warning?

You may see a product for sale that has a warning label like the following:



WARNING: Cancer and Reproductive Harm—www.p65Warnings.ca.gov.

What is Prop 65?

Prop 65 applies to any company operating in California, selling products in California, or manufacturing products that may be sold in or brought into California. It mandates that the Governor of California maintain and publish a list of chemicals known to cause cancer, birth defects, and/or other reproductive harm. The list, which is updated annually, includes hundreds of chemicals found in many everyday items. The purpose of Prop 65 is to inform the public about exposure to these chemicals.

Prop 65 does not ban the sale of products containing these chemicals but instead requires warnings on any product, product packaging, or literature with the product. Moreover, a Prop 65 warning does not mean that a product is in violation of any product safety standards or requirements. In fact, the California government has clarified that a Prop 65 warning "is not the same as a regulatory decision that a product is 'safe' or 'unsafe.'" Many of these chemicals have been used in everyday products for years without documented harm. For more information, go to https://oag.ca.gov/prop65/faqs-view-all.

A Prop 65 warning means that a company has either (1) evaluated the exposure and has concluded that it exceeds the "no significant risk level"; or (2) has chosen to provide a warning based on its understanding about the presence of a listed chemical without attempting to evaluate the exposure.

Does this law apply everywhere?

Prop 65 warnings are required under California law only. These warnings are seen throughout California in a wide range of settings, including but not limited to restaurants, grocery stores, hotels, schools, and hospitals, and on a wide variety of products. Additionally, some online and mail order retailers provide Prop 65 warnings on their websites or in catalogs.

How do the California warnings compare to federal limits?

Prop 65 standards are often more stringent than federal and international standards. There are various substances that require a Prop 65 warning at levels that are far lower than federal action limits. For example, the Prop 65 standard for warnings for lead is 0.5 µg/day, which is well below the federal and international standards.

Why don't all similar products carry the warning?

- Products sold in California require Prop 65 labelling while similar products sold elsewhere do not.
- A company involved in a Prop 65 lawsuit reaching a settlement may be required to use Prop 65 warnings for its products, but other companies making similar products may have no such requirement.
- The enforcement of Prop 65 is inconsistent.
- Companies may elect not to provide warnings because they conclude that they are not required to do so under Prop 65; a lack of warnings for a product does not mean that the product is free of listed chemicals at similar levels.

Why does the manufacturer include this warning?

the manufacturer has chosen to provide consumers with as much information as possible so that they can make informed decisions about the products they buy and use. the manufacturer provides warnings in certain cases based on its knowledge of the presence of one or more listed chemicals without evaluating the level of exposure, as not all the listed chemicals provide exposure limit requirements. While the exposure from the manufacturer products may be negligible or well within the "no significant risk" range, out of an abundance of caution, the manufacturer has elected to provide the Prop 65 warnings. Moreover, if the manufacturer does not provide these warnings, it could be sued by the State of California or by private parties seeking to enforce Prop 65 and subject to substantial penalties.



Count on it.