



21in Recycler®/Rear Bagging Lawn Mower

Model No. 21332—Serial No. 40000000 and Up

Model No. 21352—Serial No. 40000000 and Up

Operator's Manual

Introduction

This rotary-blade, walk-behind lawn mower is intended to be used by residential homeowners. It is designed primarily for cutting grass on well-maintained lawns on residential properties. Using this product for purposes other than its 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 on the serial number decal (if equipped) to access warranty, parts, and other product information.

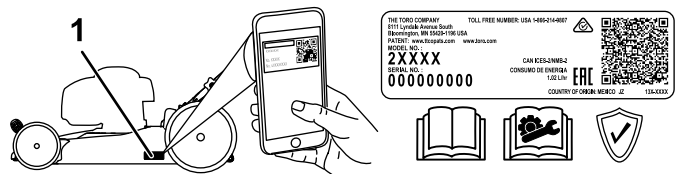


Figure 1

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.



Figure 2
Safety-alert symbol

g000502

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

It is a violation of California Public Resource Code Section 4442 or 4443 to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the engine is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order or the engine is constructed, equipped, and maintained for the prevention of fire.

The enclosed engine owner's manual is supplied for information regarding the US Environmental Protection Agency (EPA) and the California Emission Control Regulation of emission systems, maintenance, and warranty. Replacements may be ordered through the engine manufacturer.

Gross or Net Torque: The gross or net torque of this engine was laboratory rated by the engine manufacturer in accordance with the Society of Automotive Engineers (SAE) J1940 or J2723. As configured to meet safety, emission, and operating requirements, the actual engine torque on this class of mower will be significantly lower. Please refer to the engine manufacturer's information included with the machine.



⚠ WARNING

**CALIFORNIA
Proposition 65 Warning**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

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

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Safety

This machine has been designed in accordance with ANSI B71.1-2017.

General Safety

This product is capable of amputating hands and feet and of throwing objects. Always follow all safety instructions to avoid serious personal injury or death.

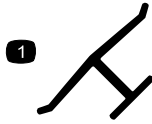
- Read, understand, and follow the instructions and warnings in this *Operator's Manual* and on the machine and attachments before starting the engine.
- Do not put your hands or feet near moving parts or under the machine. Keep clear of any discharge opening.
- Do not operate the machine without all guards and other safety protective devices in place and functioning properly on the machine.
- Keep bystanders and children out of the operating area. Do not allow children to operate the machine. Allow only people who are responsible, trained, familiar with the instructions, and physically capable to operate the machine.
- Stop the machine, shut off the engine, and wait for all moving parts to stop before servicing, fueling, or unclogging the machine.

Improperly using or maintaining this machine can result in injury. To reduce the potential for injury, comply with these safety instructions and always pay attention to the safety-alert symbol ▲, which means Caution, Warning, or Danger—personal safety instruction. Failure to comply with these instructions may result in personal injury or death.

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.



decaloemmark

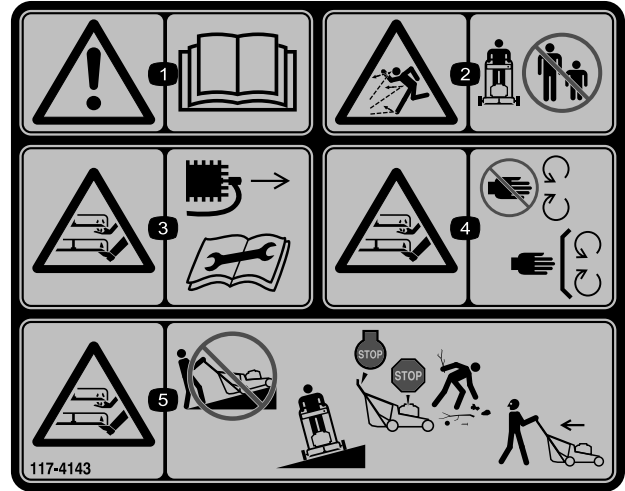
Manufacturer's Mark

1. This mark indicates that the blade is identified as a part from the original machine manufacturer.



94-8072

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117-4143

decal117-4143

117-4143

1. Warning—read the *Operator's Manual*.
2. Thrown object hazard—keep bystanders away.
3. Cutting/dismemberment hazard of hand or foot, mower blade—disconnect the spark-plug wire and read the *Operator's Manual* before performing maintenance.
4. Cutting/dismemberment hazard of hand or foot, mower blade—stay away from moving parts; keep all guards and shields in place.
5. Cutting/dismemberment hazard of hand or foot, mower blade—do not operate up and down slopes; only operate across slopes; shut off the engine and wait for all moving parts to stop before leaving the machine; pick up debris before mowing; look behind and down when moving in reverse.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov. For more information, please visit www.ttcocalprop65.com

CALIFORNIA SPARK ARRESTER WARNING

Operation of this equipment may create sparks that can start fires around dry vegetation. A spark arrester may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

133-8062

decal133-8062

133-8062

Setup

Important: Remove and discard the protective plastic sheet that covers the engine and any other plastic or wrapping on the machine.

1

Installing the Handle

No Parts Required

Procedure

⚠ WARNING

Folding or unfolding the handle improperly can damage the cables, causing an unsafe operating condition.

- Do not damage the cables when folding or unfolding the handle.
 - If a cable is damaged, contact an Authorized Service Dealer.
1. Remove the handle knobs and corresponding bolts from the machine housing (A of [Figure 3](#)).
 2. Position the upper handle on the lower handles and then unfold the handle (B of [Figure 3](#)).
 3. Install the handle knobs with the corresponding bolts and tighten them firmly by hand (C of [Figure 3](#)).

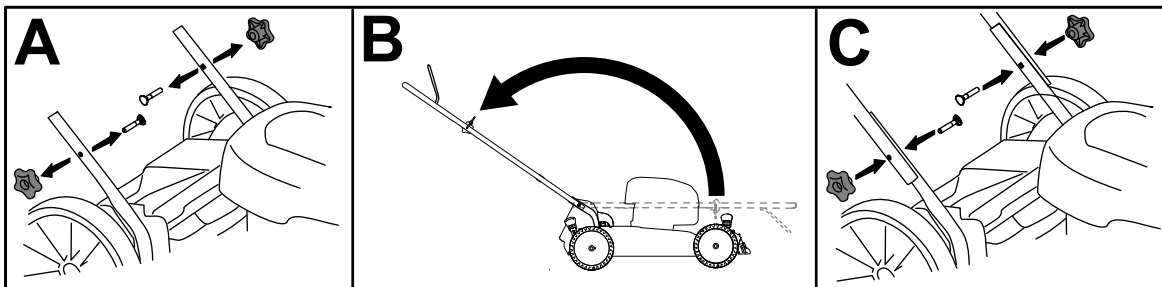


Figure 3

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2

Installing the Recoil-Starter Rope in the Rope Guide

No Parts Required

Procedure

Important: To start the engine safely and easily whenever you use the machine, install the recoil-starter rope in the rope guide.

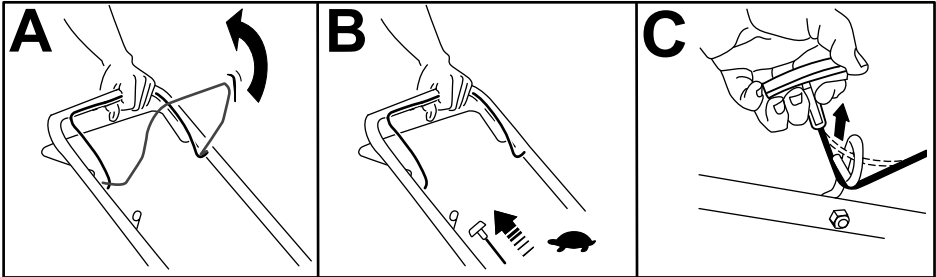


Figure 4

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3

Adding Oil to the Engine

No Parts Required

Procedure

Important: If the oil level in the engine is too low or too high and you run the engine, you may damage the engine.

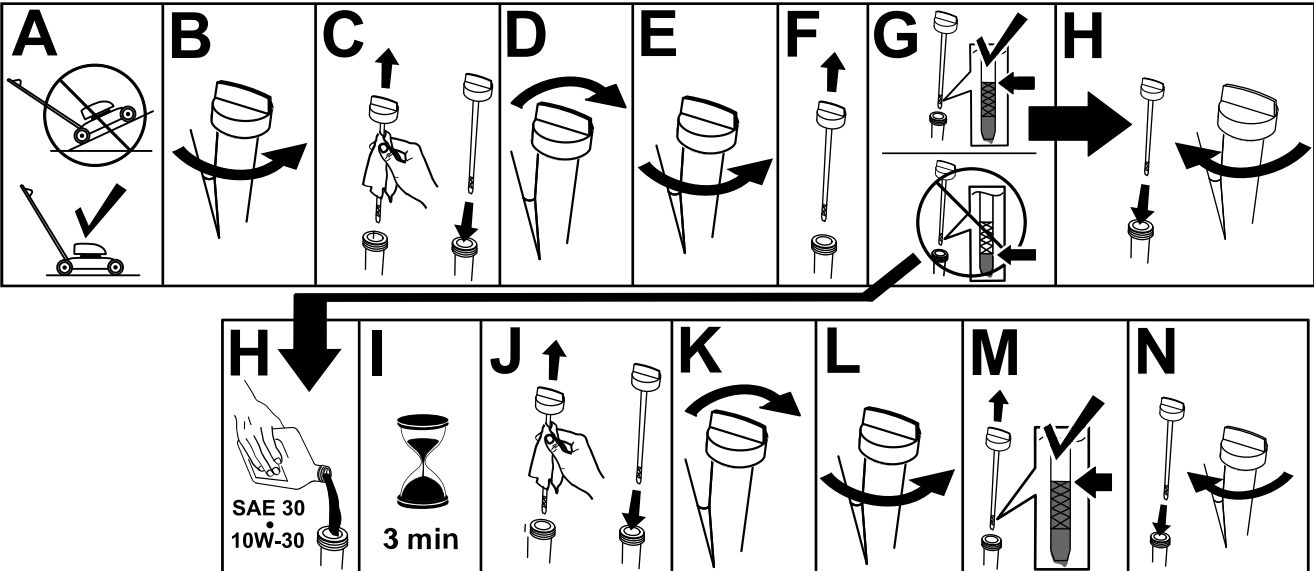


Figure 5

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4

Assembling the Grass Bag

No Parts Required

Procedure

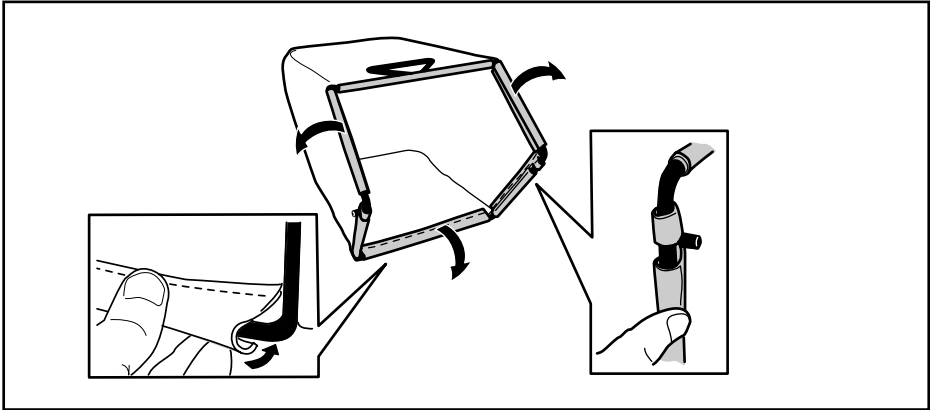


Figure 6

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Product Overview

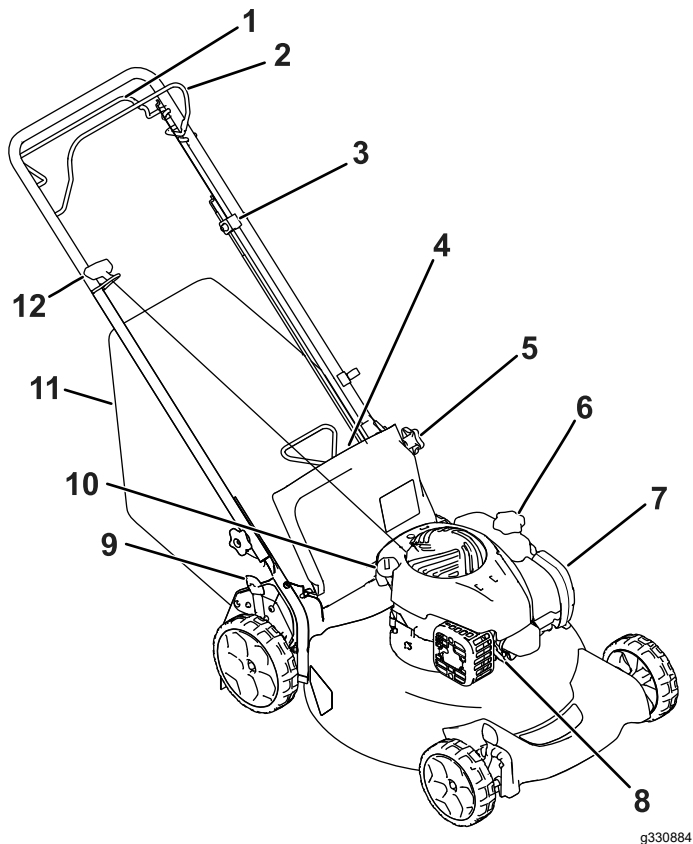


Figure 7

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- | | |
|--|-----------------------------|
| 1. Self-propel-drive bar
(self-propel model only) | 7. Air filter |
| 2. Blade-control bar | 8. Spark plug |
| 3. Adjustment for the
self-propel drive
(self-propel model only) | 9. Cutting-height lever (2) |
| 4. Rear deflector | 10. Oil fill/dipstick |
| 5. Handle knob (2) | 11. Grass bag |
| 6. Fuel-tank cap | 12. Recoil-start handle |

Specifications

Model	Weight	Length	Width	Height
21332	30 kg (67 lb)	142 cm	53 cm	102 cm
21352	34 kg (76 lb)	(56 inches)	(21 inches)	(40 inches)

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, and such use could void the product warranty.

Operation

Note: Determine the left and right sides of the machine from the normal operating position.

Before Operation

Before Operation Safety

General Safety

- Always shut off the machine, wait for all moving parts to stop, and allow the machine to cool before adjusting, servicing, cleaning, or storing it.
- Become familiar with the safe operation of the equipment, operator controls, and safety signs.
- Check that all guards and safety devices, such as deflectors and/or grass catcher, are in place and functioning properly.
- Always inspect the machine to ensure that the blades and blade bolts are not worn or damaged.
- Inspect the area where you will use the machine, and remove all objects that could interfere with the operation of the machine or that the machine could throw.
- Contact with the moving blade will cause serious injury. Do not put your fingers under the housing.

Fuel Safety

- Fuel is extremely flammable and highly explosive. A fire or explosion from fuel can burn you and others and can damage property.
 - To prevent a static charge from igniting the fuel, place the container and/or machine directly on the ground before filling, not in a vehicle or on an object.
 - Fill the fuel tank outdoors, in an open area, when the engine is cold. Wipe up any fuel that spills.
 - Do not handle fuel when smoking or around an open flame or sparks.
 - Do not remove the fuel cap or add fuel to the tank while the engine is running or hot.
 - If you spill fuel, do not attempt to start the engine. Avoid creating a source of ignition until the fuel vapors have dissipated.
 - Store fuel in an approved container and keep it out of the reach of children.
- Fuel is harmful or fatal if swallowed. Long-term exposure to vapors can cause serious injury and illness.

- Avoid prolonged breathing of vapors.
- Keep your hands and face away from the nozzle and the fuel-tank opening.
- Keep fuel away from your eyes and skin.

Filling the Fuel Tank

Type	Unleaded gasoline
Minimum octane rating	87 (US) or 91 (research octane; outside the US)
Ethanol	No more than 10% by volume
Methanol	None
MTBE (methyl tertiary butyl ether)	Less than 15% by volume
Oil	Do not add to the fuel

Use only clean, fresh (no more than 30 days old), fuel from a reputable source.

Important: To reduce starting problems, add fuel stabilizer/conditioner to fresh fuel as directed by the fuel-stabilizer/conditioner manufacturer.

Refer to your engine owner's manual for additional information.

Fill the fuel tank as shown in [Figure 8](#).

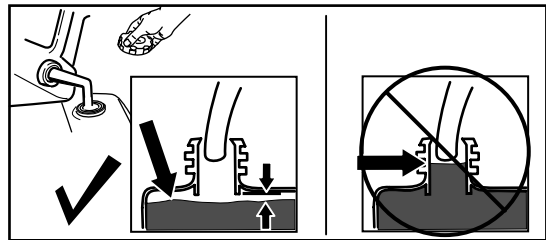


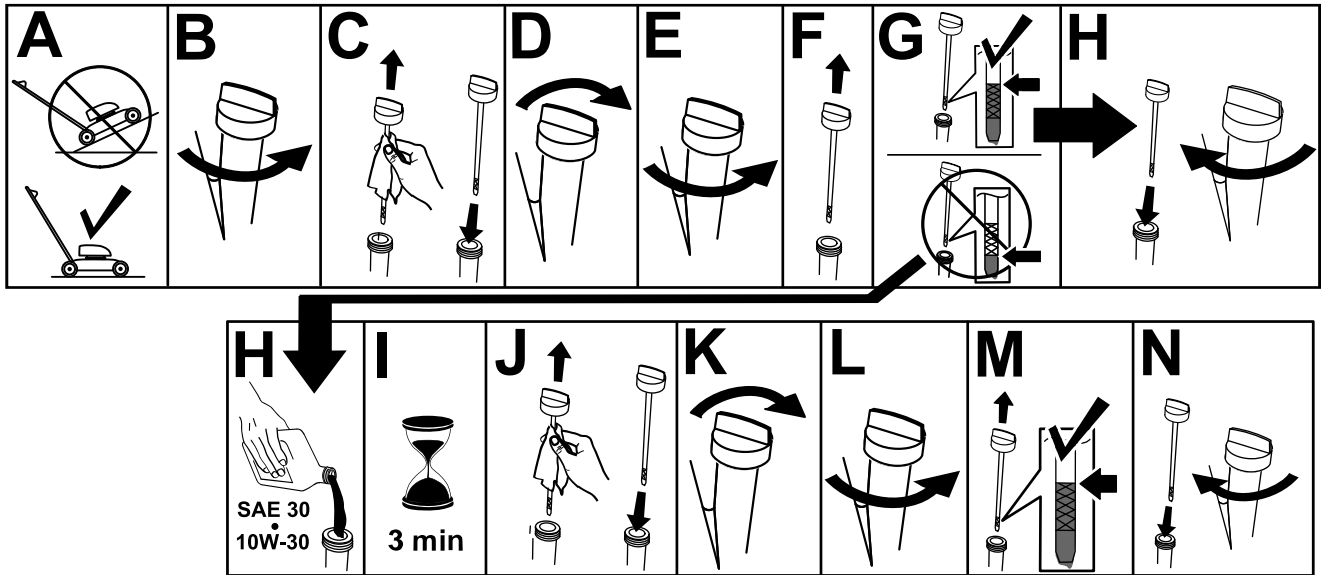
Figure 8

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Checking the Engine-Oil Level

Service Interval: Before each use or daily

Important: If the oil level in the crankcase is too low or too high and you run the engine, you may damage the engine.



g222533

Figure 9

Adjusting the Cutting Height

⚠ WARNING

Adjusting the cutting-height levers could bring your hands into contact with a moving blade and result in serious injury.

- Shut off the engine and wait for all moving parts to stop before adjusting the cutting height.
- Do not put your fingers under the housing when adjusting the cutting height.

⚠ CAUTION

If the engine has been running, the muffler will be hot and can burn you.

Keep away from the hot muffler.

Adjust the cutting height as desired. Set all wheels to the same cutting height (Figure 10).

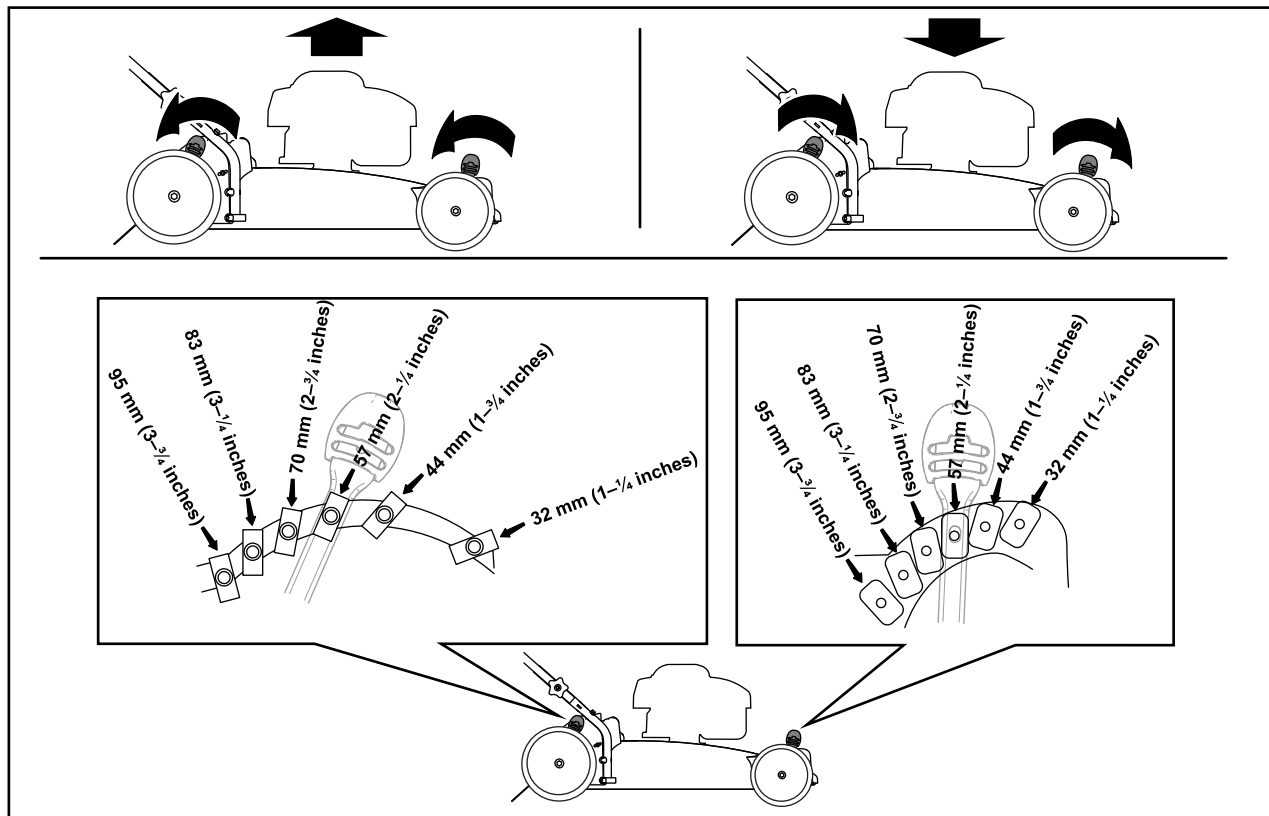


Figure 10

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During Operation

During Operation Safety

General Safety

- 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.

- Use your full attention while operating the machine. Do not engage in any activity that causes distractions; otherwise, injury or property damage may occur.
- Do not operate the machine while ill, tired, or under the influence of alcohol or drugs.

- The blade is sharp; contacting the blade can result in serious personal injury. Shut off the engine and wait for all moving parts to stop before leaving the operating position.
- When you release the blade-control bar, the engine should shut off and the blade should stop within 3 seconds. If not, stop using your machine immediately and contact an Authorized Service Dealer.
- Keep bystanders out of the operating area. Keep small children out of the operating area and under the watchful care of a responsible adult who is not operating the machine. Stop the machine if anyone enters the area.
- Always look down and behind you before moving the machine in reverse.
- Operate the machine only in good visibility and appropriate weather conditions. Do not operate the machine when there is the risk of lightning.
- Wet grass or leaves can cause serious injury if you slip and contact the blade. Avoid mowing in wet conditions.
- Use extreme care when approaching blind corners, shrubs, trees, or other objects that may block your view.
- Do not direct the discharge material toward anyone. Avoid discharging material against a wall or obstruction; material may ricochet toward you. Stop the blade(s) when crossing gravel surfaces.
- Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could cause you to lose your balance or footing.
- If the machine strikes an object or starts to vibrate, immediately shut off the engine, wait for all moving parts to stop, and disconnect the wire from the spark plug before examining the machine for damage. Make all necessary repairs before resuming operation.
- Before leaving the operating position, shut off the engine and wait for all moving parts to stop.
- If the engine has been running, it will be hot and can severely burn you. Keep away from the hot engine.
- Operate the engine only in well-ventilated areas. Exhaust gases contain carbon monoxide, which is an odorless, deadly poison.
- Check the grass catcher components and the discharge chute frequently for any wear or deterioration and replace them with genuine Toro parts when necessary.

Slope Safety

- Mow across the face of slopes; never up and down. Use extreme caution when changing direction on slopes.
- Do not mow on excessively steep slopes. Poor footing could cause a slip-and-fall accident.
- Mow with caution near drop-offs, ditches, or embankments.

Starting the Engine

1. Hold the blade-control bar against the handle (A of [Figure 11](#)).
2. Pull the recoil-start handle (B of [Figure 11](#)).

Note: When you pull the recoil-start handle, pull it lightly until you feel resistance, then pull it sharply. Allow the rope to return to the handle slowly.

Note: If the machine does not start after several attempts, contact an Authorized Service Dealer.

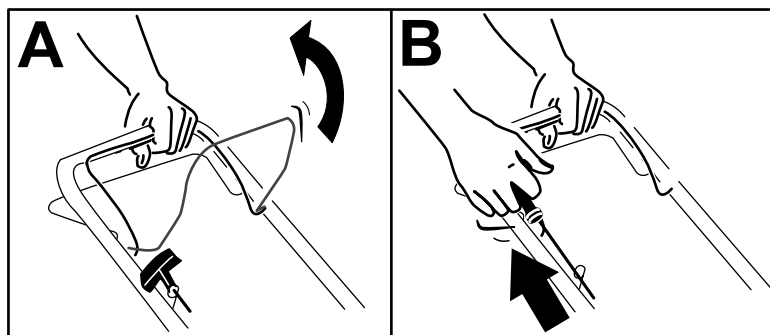


Figure 11

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Using the Self-Propel Drive

Self-Propel Model Only

- To engage the self-propel drive, pull the self-propel-drive bar to the handle and hold it (Figure 12).

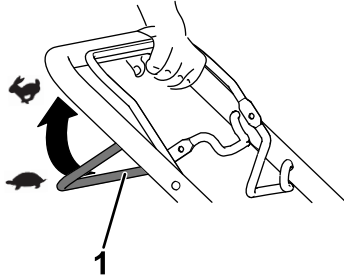


Figure 12

g240765

1. Self-propel-drive bar
-

Shutting Off the Engine

Service Interval: Before each use or daily—Ensure that the engine shuts off within 3 seconds after releasing the blade-control bar.

To shut off the engine, release the blade-control bar.

Important: When you release the blade-control bar, the engine should shut off and the blade should stop within 3 seconds. If they do not, stop using your machine immediately and contact an Authorized Service Dealer.

Recycling the Clippings

Your machine comes from the factory ready to recycle the grass and leaf clippings back into the lawn.

If the grass bag is on the machine, remove it before recycling the clippings. Refer to [Removing the Grass Bag \(page 15\)](#).

Bagging the Clippings

Use the grass bag when you want to collect grass and leaf clippings from the lawn.

⚠ WARNING

A worn grass bag could allow small stones and other similar debris to be thrown toward you or bystanders, resulting in serious personal injury or death.

Check the grass bag frequently. If it is damaged, install a new Toro replacement bag.

Installing the Grass Bag

1. Lift up the rear deflector (A of [Figure 13](#)).
2. Insert the rod ends of the grass bag into the notches in the handle brackets (B of [Figure 13](#)).
3. Allow the rear deflector to rest on the bag.

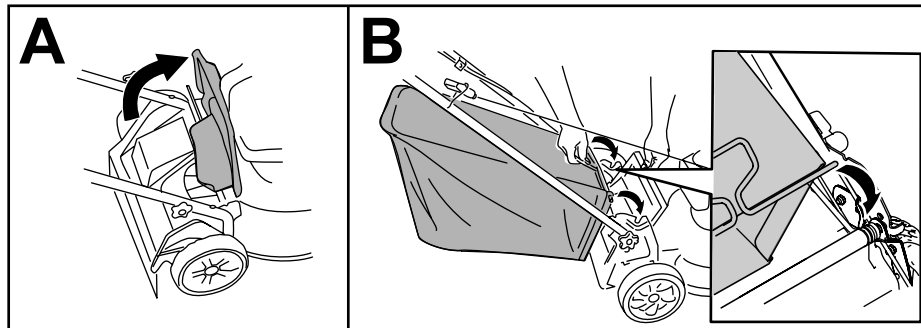


Figure 13

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Removing the Grass Bag

1. Lift up the rear deflector (A of [Figure 13](#)).
2. Lift the grass-bag handle out from the notches on the handle brackets and remove the bag from the machine.
3. Close the rear deflector.

Operating Tips

General Mowing Tips

- Inspect the area where you will use the machine and remove all objects that the machine could throw.
- Avoid striking solid objects with the blade. Never deliberately mow over any object.
- If the machine strikes an object or starts to vibrate, immediately shut off the engine, wait for all moving

parts to stop, disconnect the wire from the spark plug, and examine the machine for damage.

- For best performance, install a new Toro blade before the cutting season begins or when necessary.

Cutting Grass

- Cut only about a third of the grass blade at a time. Do not cut below 51 mm (2 inches) unless the grass is sparse or it is late fall when grass growth begins to slow down.

- When cutting grass over 15 cm (6 inches) tall, mow at the highest cutting height setting and walk slower; then mow again at a lower setting for the best lawn appearance. If the grass is too long, the machine may plug and cause the engine to stall.
- Wet grass and leaves tend to clump on the yard and can cause the machine to plug or the engine to stall. Avoid mowing in wet conditions.
- Be aware of a potential fire hazard in very dry conditions, follow all local fire warnings, and keep the machine free of dry grass and leaf debris.
- Alternate the mowing direction. This helps disperse the clippings over the lawn for even fertilization.
- If the finished lawn appearance is unsatisfactory, try 1 or more of the following:
 - Replace the blade or have it sharpened.
 - Walk at a slower pace while mowing.
 - Raise the cutting height on your machine.
 - Cut the grass more frequently.
 - Overlap cutting swaths instead of cutting a full swath with each pass.

Cutting Leaves

- After cutting the lawn, ensure that half of the lawn shows through the cut leaf cover. You may need to make more than a single pass over the leaves.
- If there are more than 13 cm (5 inches) of leaves on the lawn, mow at a higher cutting height and then again at the desired cutting height.
- Slow down your mowing speed if the machine does not cut the leaves finely enough.

After Operation

After Operation Safety

General Safety

- Always shut off the machine, wait for all moving parts to stop, and allow the machine to cool before adjusting, servicing, cleaning, or storing it.
- Clean grass and debris from the machine to help prevent fires. Clean up oil or fuel spills.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light, such as on a water heater or on other appliances.

Hauling Safety

- Use care when loading or unloading the machine.
- Secure the machine from rolling.

Cleaning under the Machine

Service Interval: After each use

For best results, clean under the machine soon after you have completed mowing.

1. Lower the machine to its lowest cutting-height setting.
2. Move the machine onto a paved level surface.
3. With the engine running and the blade engaged, spray a stream of water in front of the **right**, rear wheel (Figure 14).

Note: The water will splash into the path of the blade, cleaning out the clippings.

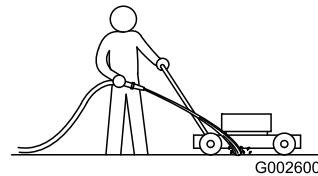


Figure 14

g002600

4. When no more clippings come out, stop the water and move the machine to a dry area.
5. Run the engine for a few minutes to dry the underside of the machine.

Folding the Handle

⚠ WARNING

Folding or unfolding the handle improperly can damage the cables, causing an unsafe operating condition.

- Do not damage the cables when folding or unfolding the handle.
- If a cable is damaged, contact an Authorized Service Dealer.

1. Remove the ignition key (if equipped).
2. Loosen the handle knobs until you can move the handle freely ([Figure 15](#)).

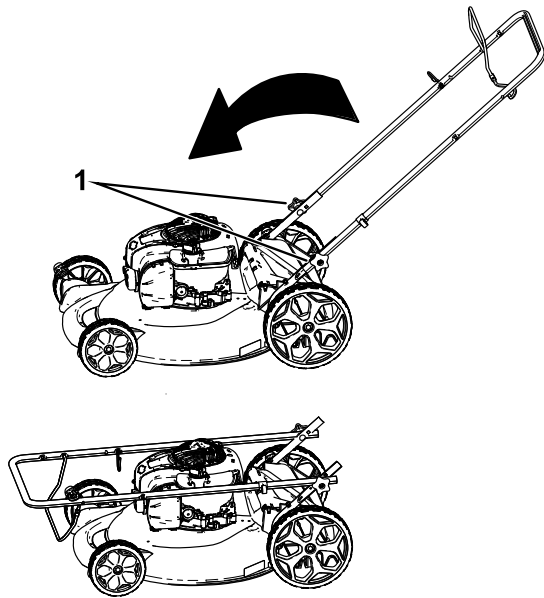


Figure 15

g186341

1. Handle knob (2)
-

3. Move the handle forward as shown in [Figure 15](#).

Maintenance

Recommended Maintenance Schedule(s)

Maintenance Service Interval	Maintenance Procedure
Before each use or daily	<ul style="list-style-type: none"> • Check the engine-oil level and add oil as needed. • Ensure that the engine shuts off within 3 seconds after releasing the blade-control bar.
After each use	<ul style="list-style-type: none"> • Clean grass clippings and dirt from under the machine.
Every 25 hours	<ul style="list-style-type: none"> • Service the air filter; service it more frequently in dusty operating conditions.
Yearly	<ul style="list-style-type: none"> • Replace the air filter. • Replace the blade or have it sharpened (more frequently if the edge dulls quickly). • Clean the engine by removing dirt and debris from its top and sides; clean it more frequently in dusty operating conditions.
Yearly or before storage	<ul style="list-style-type: none"> • Empty the fuel tank before repairs as directed and before yearly storage.

Important: Refer to your engine owner’s manual for additional maintenance procedures.

Maintenance Safety

- Always shut off the machine, wait for all moving parts to stop, and allow the machine to cool before adjusting, servicing, cleaning, or storing it.
- Disconnect the spark-plug wire from the spark plug before performing any maintenance procedure.
- Wear gloves and eye protection when servicing the machine.
- The blade is sharp; contacting the blade can result in serious personal injury. Wear gloves when servicing the blade. Do not repair or alter the blade(s).
- Never tamper with safety devices. Check their proper operation regularly.
- Tipping the machine may cause the fuel to leak. Fuel is flammable and explosive, and can cause personal injury. Run the engine dry or remove the fuel with a hand pump; never siphon the fuel.
- To ensure optimum performance 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.

Preparing for Maintenance

1. Shut off the engine, remove the ignition key (if equipped), and wait for all moving parts to stop.
2. Disconnect the spark-plug wire from the spark plug (Figure 16).

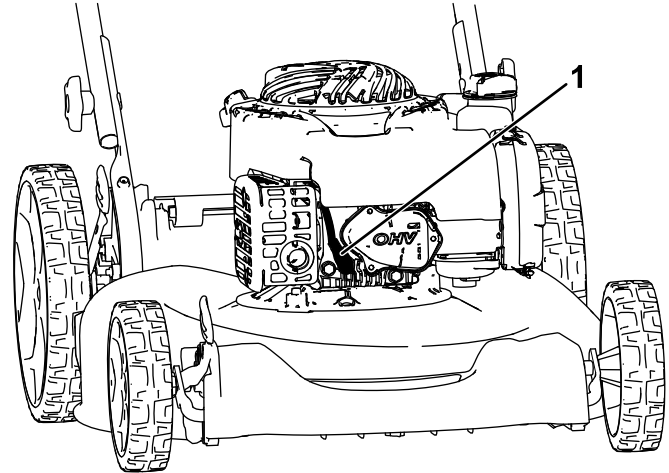


Figure 16

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1. Spark-plug wire

3. After performing the maintenance procedure(s), connect the spark-plug wire to the spark plug.

Servicing the Air Filter

Service Interval: Every 25 hours/Yearly (whichever comes first)—Service the air filter; service it more frequently in dusty operating conditions.

1. Lift the tab to open the air-filter cover (Figure 17).

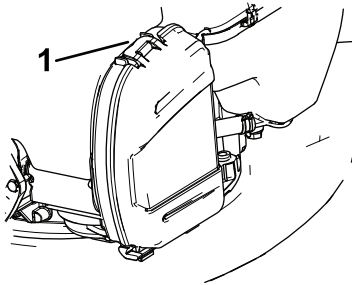


Figure 17

g186015

1. Tab

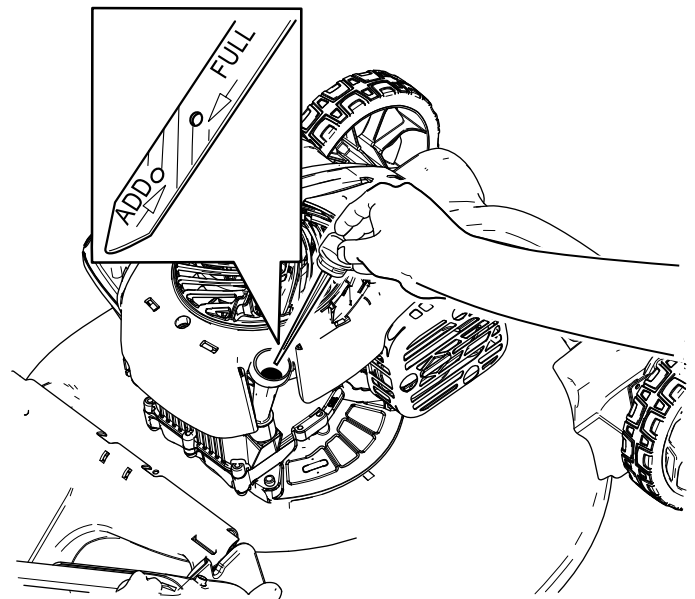


Figure 18

g186326

2. Replace the air filter.
3. Close the air-filter cover.

Changing the Engine Oil

Changing the engine oil is not required, but if you desire to change the oil, use the following procedure.

Note: Run the engine a few minutes before changing the oil to warm it. Warm oil flows better and carries more contaminants.

Engine Oil Specifications

Engine oil capacity	0.44 L (15 fl oz)*
Oil viscosity	SAE 30 or SAE 10W-30 detergent oil
API service classification	SJ or higher

*There is residual oil in the crankcase after you drain the oil. Do not pour the entire capacity of oil into the crankcase. Fill the crankcase with oil as directed in the following steps.

1. Move the machine to a level surface.
2. Refer to [Preparing for Maintenance \(page 18\)](#).
3. Remove the dipstick by rotating the cap counterclockwise and pulling it out (Figure 18).

4. Tip the machine onto its side (so that the air filter is up) to drain the used oil from the oil-fill tube (Figure 19).

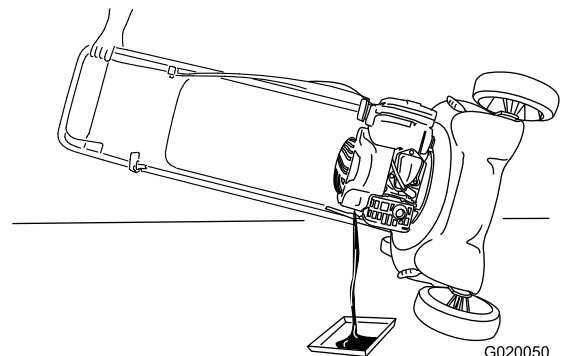


Figure 19

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g020050

5. After draining the used oil, return the machine to the operating position.
6. Carefully pour about 3/4 of the engine capacity of oil into the oil-fill tube.
7. Wait 3 minutes for the oil to settle in the engine.
8. Wipe the dipstick clean with a clean cloth.
9. Insert the dipstick into the oil-fill tube, screw it in, then remove the dipstick.
10. Read the oil level on the dipstick (Figure 18).
 - If the oil level on the dipstick is too low, carefully pour a small amount of oil into the oil-fill tube, wait 3 minutes, and repeat steps

8 through 10 until the oil level on the dipstick is correct.

- If the oil level on the dipstick is too high, drain the excess oil until the oil level on the dipstick is correct.

Important: If the oil level in the engine is too low or too high and you run the engine, you may damage the engine.

11. Install the dipstick into the oil-fill tube securely.
12. Recycle the used oil properly.

Replacing the Blade

Service Interval: Yearly

Important: You will need a torque wrench to install the blade properly. If you do not have a torque wrench or are uncomfortable performing this procedure, contact an Authorized Service Dealer.

Examine the blade whenever you run out of fuel. If the blade is damaged or cracked, replace it immediately. If the blade edge is dull or nicked, have it sharpened and balanced, or replace it.

⚠ WARNING

The blade is sharp; contacting the blade can result in serious personal injury.

Wear gloves when servicing the blade.

1. Refer to [Preparing for Maintenance \(page 18\)](#).
2. Tip the machine onto its side with the air filter up.
3. Use a block of wood to hold the blade steady ([Figure 20](#)).

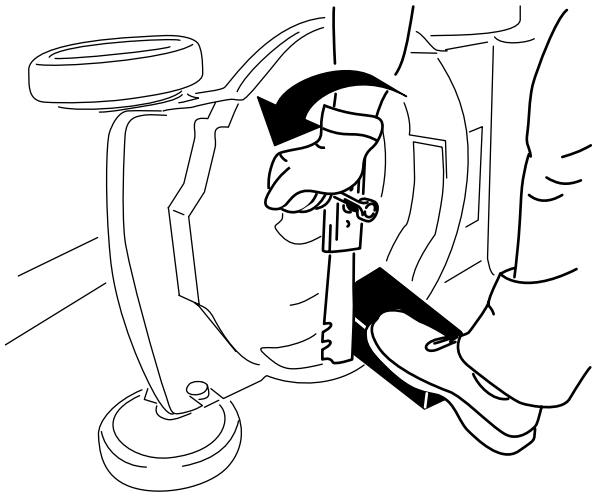


Figure 20

g231389

4. Remove the blade, saving all mounting hardware ([Figure 20](#)).
5. Install the new blade and all mounting hardware ([Figure 21](#)).

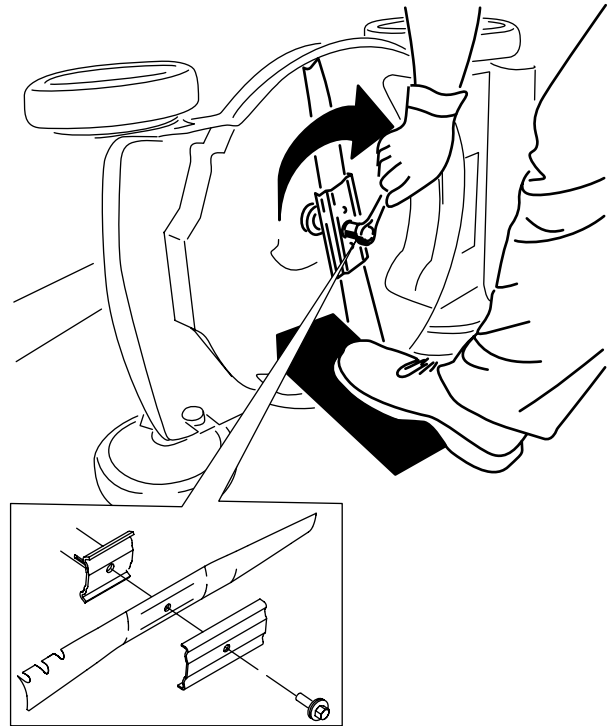


Figure 21

g231390

Important: Position the curved ends of the blade to point toward the machine housing.

6. Use a torque wrench to tighten the blade bolt to 82 N·m (60 ft-lb).

Storage

Store the machine in a cool, clean, dry place.

Storage Safety

Always shut off the machine, wait for all moving parts to stop, and allow the machine to cool before adjusting, servicing, cleaning, or storing it.

Preparing the Machine for Storage

1. On the last refueling of the year, add fuel stabilizer (such as Toro Premium Fuel Treatment) to the fuel as directed on the label.
2. Dispose of any unused fuel properly. Recycle it according to local codes or use it in your automobile.

***Important:* Old fuel in the fuel tank is the leading cause of hard starting. Do not store the fuel without fuel stabilizer more than 30 days, and do not store stabilized fuel beyond the duration recommended by the fuel-stabilizer manufacturer.**

3. Run the machine until the engine shuts off from running out of fuel.
4. Start the engine again and allow it to run until it shuts off. When you can no longer start the engine, it is sufficiently dry.
5. Disconnect the wire from the spark plug and connect the wire to the retaining post (if equipped).
6. Remove the spark plug, add 30 ml (1 fl oz) of engine oil through the spark-plug hole, and pull the starter rope slowly several times to distribute oil throughout the cylinder to prevent cylinder corrosion during the off-season.
7. Loosely install the spark plug.
8. Tighten all nuts, bolts, and screws.

4. Perform any maintenance procedures; refer to [Maintenance \(page 18\)](#).
5. Check the engine-oil level; refer to [Checking the Engine-Oil Level \(page 11\)](#).
6. Fill the fuel tank with fresh fuel; refer to [Filling the Fuel Tank \(page 10\)](#).
7. Connect the wire to the spark plug.

Removing the Machine from Storage

1. Check and tighten all fasteners.
2. Remove the spark plug and spin the engine rapidly by pulling the recoil-start handle to blow the excess oil from the cylinder.
3. Install the spark plug and tighten it with a torque wrench to 20 N·m (15 ft-lb).

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 Toro include this warning?

Toro 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. Toro 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 Toro products may be negligible or well within the "no significant risk" range, out of an abundance of caution, Toro has elected to provide the Prop 65 warnings. Moreover, if Toro 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.



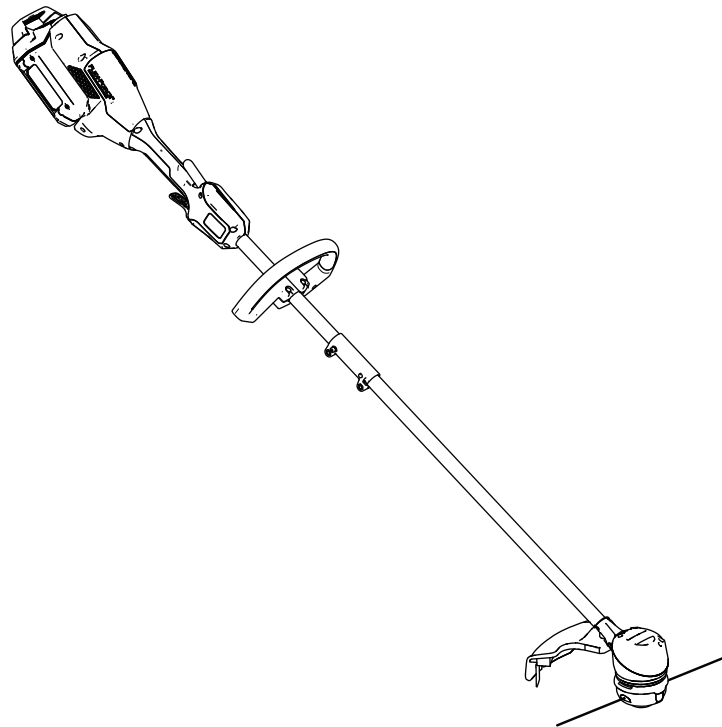
Count on it.

Operator's Manual

Flex-Force Power System™ 13in or 15in 60V MAX String Trimmer

Model No. 51831—Serial No. 32000001 and Up

Model No. 51831T—Serial No. 32000001 and Up





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

⚠ WARNING

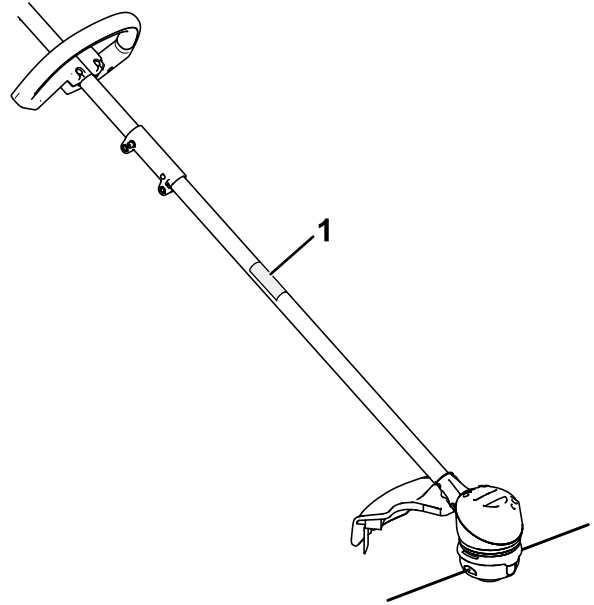
CALIFORNIA Proposition 65 Warning

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.

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 on the serial number decal (if equipped) to access warranty, parts, and other product information.



g360584

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.



g000502

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.

Introduction

This trimmer is intended to be used by residential homeowners to trim grass as needed outdoors. It is designed to use lithium-ion battery pack Models 88620 (provided with Model 51831), 88625, Model 88640, Model 88650, Model 88660, or Model 88675. These battery packs are designed to be charged only by battery charger Model 88602, Model 88605, or Model 88610 (provided with Model 51831). Using this product for purposes other than its intended use could prove dangerous to you and bystanders.

Model 51831T does not include a battery or a charger.

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 product safety and operation training materials, accessory information, help finding a dealer, or to register your product.

Whenever you need service, genuine the manufacturer parts, or additional information, contact an Authorized Service Dealer or the manufacturer Customer Service and have the model and serial numbers of your product ready. Figure 1 identifies

Safety

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

IMPORTANT SAFETY 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. 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 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.
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. Do not use non-rechargeable batteries.
7. 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.

8. Charge the battery pack in a well-ventilated area only.
9. Do not expose a battery pack or battery charger to fire or to temperatures higher than 68°C (154°F).
10. 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.
11. Do not operate the appliance without all guards and other safety protective devices in place and functioning properly on the appliance.
12. Dress properly—Wear appropriate clothing, including eye protection; long pants; substantial, slip-resistant footwear; rubber gloves; 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 appliance in rain or in damp or wet locations.
2. Use the proper appliance for your application—Using the appliance for purposes other than 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 the cutting area and all moving parts.
7. Stop the appliance, 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 accidentally 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.

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. Stop the appliance, 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. Do not replace the existing non-metallic cutting means on the appliance with a metallic cutting means.
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.



144-3094

decal144-3094

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.



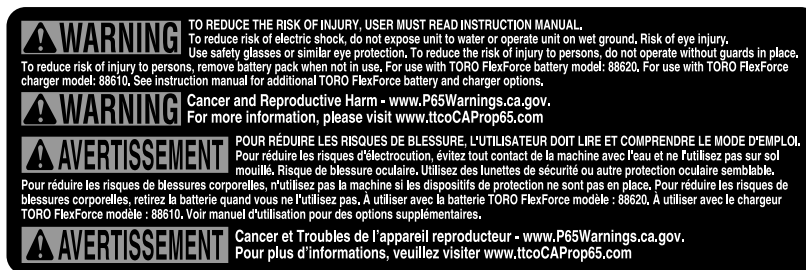
144-3098

decal144-3098



144-3096

decal144-3096



144-3088

decal144-3088



144-3084

decal144-3084

0.08" (2.0mm) diameter nylon line / fil en nylon de 2,0 mm (0.08") de diamètre

60V MAX* DC 

*Battery manufacturer rating = 60V maximum & 54V nominal. Actual voltage varies with load.
 *Tension indiquée par le fabricant de la batterie = 60 V max., 54 V nominale. La tension réelle varie en fonction de la charge.

THE TORO COMPANY
 8111 Lyndale Avenue South
 Bloomington, MN 55420-1196 USA
 PATENT: www.tcopats.com

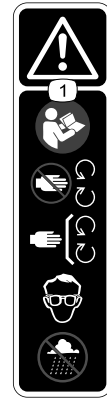
Country of Origin: PRC / Pays d'origine : PRC

Modèle : 51831T
 Serial Number: 
 Numéro de série : 
 Date Code: 
 Code de date : 

 Intertek 5013579
 Conforms to UL STD 82
 Certified to CSA STD C22.2 #147

144-3085

decal144-3085



139-5210

decal139-5210

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

60V MAX* DC  2.0Ah, 108 Wh
 RECHARGEABLE LITHIUM ION BATTERY PACK
 / BATTERIE RECHARGEABLE AU LITHIUM-ION

For use with TORO FlexForce charger model: 88602.
 See user manual for additional charger options.
 *Battery manufacturer rating = 60V maximum & 54V nominal. Actual voltage varies with load.
 A utiliser avec le chargeur TORO FlexForce modèle : 88602.
 Voir manuel d'utilisation pour des options supplémentaires.
 *Tension indiquée par le fabricant de la batterie = 60 V max., 54 V nominale. La tension réelle varie en fonction de la charge.

THE TORO COMPANY
 8111 Lyndale Avenue South
 Bloomington, MN 55420-1196 USA
 PATENT: www.tcopats.com
 Country of Origin: PRC / Pays d'origine : PRC

Intertek 5013579
 Conforms to UL STD 82483
 Certified to CSA STD C22.2 #62183

Model: 88620+ 15NR19/66

 INSERT BAR CODE HERE

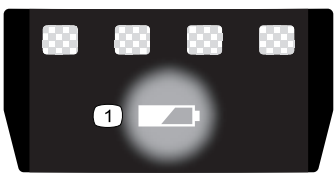
Serial Number / Numéro de série : 318000000 Date Code / Code de date : MM YY

 INSERT BAR CODE HERE

140-8475

decal140-8475

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.



137-9461

decal137-9461

1. Battery charge status

Setup

Loose Parts

Use the chart below to verify that all parts have been shipped.

Procedure	Description	Qty.	Use
1	Allen wrench	1	Unfold the handle.
2	Auxiliary handle assembly Screwdriver (not included)	1 –	Install the auxiliary handle.
3	Guard Screwdriver (not included)	1 –	Install the guard.

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 13).

1

Unfolding the Handle

Parts needed for this procedure:

1	Allen wrench
---	--------------

Procedure

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

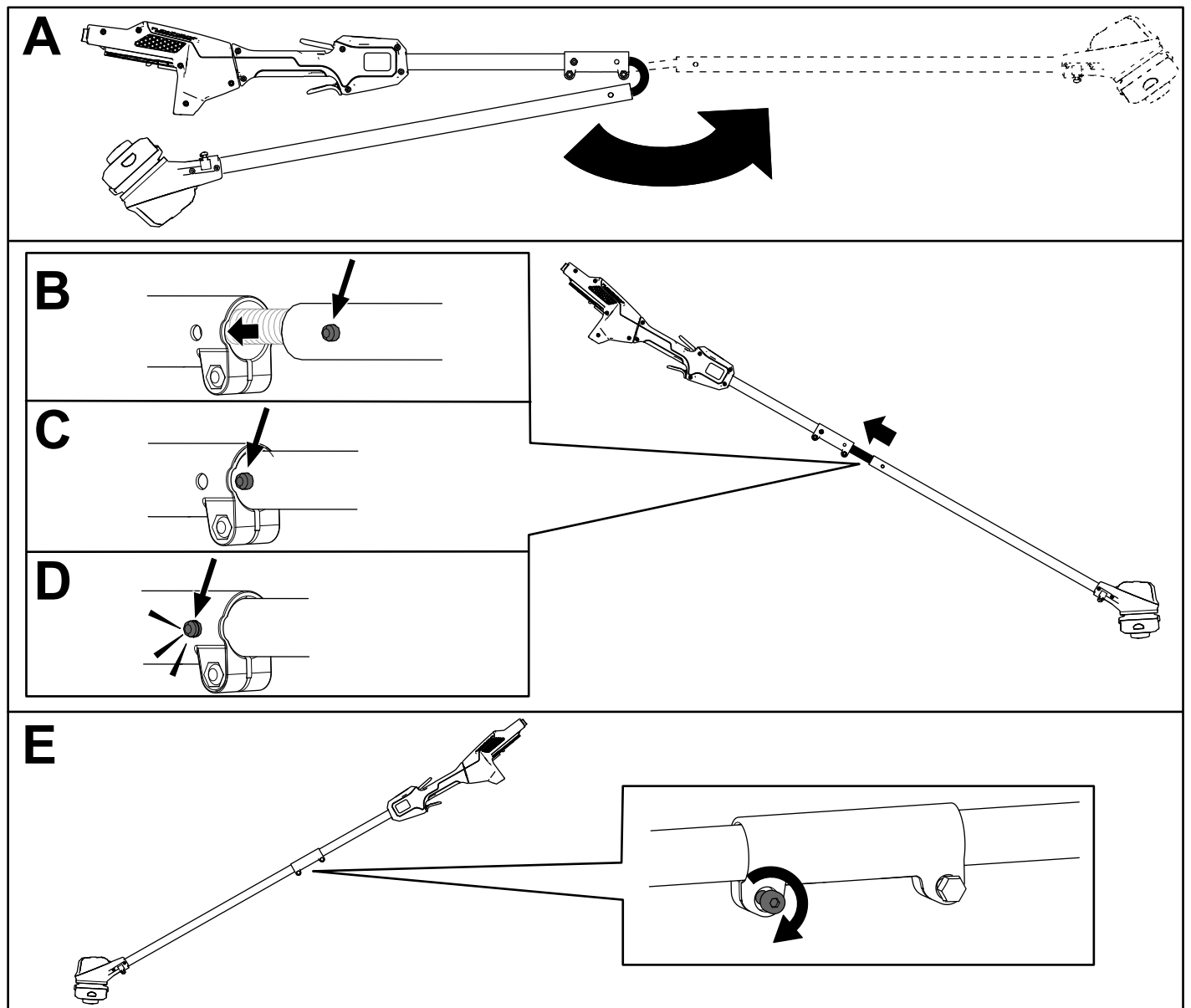


Figure 3

g330189

2

Installing the Auxiliary Handle

Parts needed for this procedure:

1	Auxiliary handle assembly
-	Screwdriver (not included)

Procedure

1. Using a Phillips head screwdriver, separate the auxiliary handle from the handle plate by removing the 2 screws (A of [Figure 4](#)).
2. Line up the auxiliary handle with auxiliary handle plate on the trimmer handle (B of [Figure 4](#)).
3. Secure the auxiliary handle to the handle plate with the 2 previously removed screws (C of [Figure 4](#)).

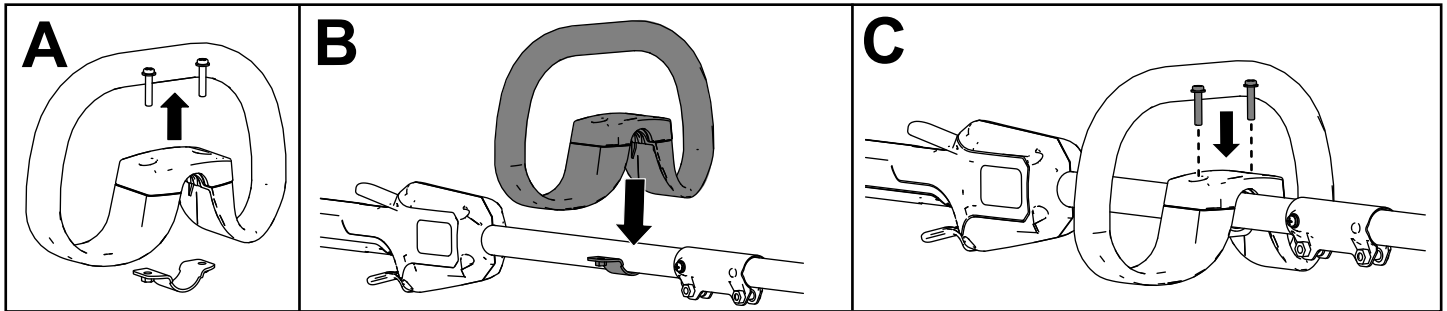


Figure 4

g331072

3

Installing the Guard

Parts needed for this procedure:

1	Guard
-	Screwdriver (not included)

Procedure

1. Using a Phillips head screwdriver, remove the 2 screws, 2 washers, and 2 spacers from the trimmer base (A of [Figure 5](#)).
2. Align the guard onto the trimmer base (B of [Figure 5](#)).
3. Secure the guard onto the base of the trimmer with the 2 screws, 2 washers, and 2 spacers previously removed (C of [Figure 4](#)).

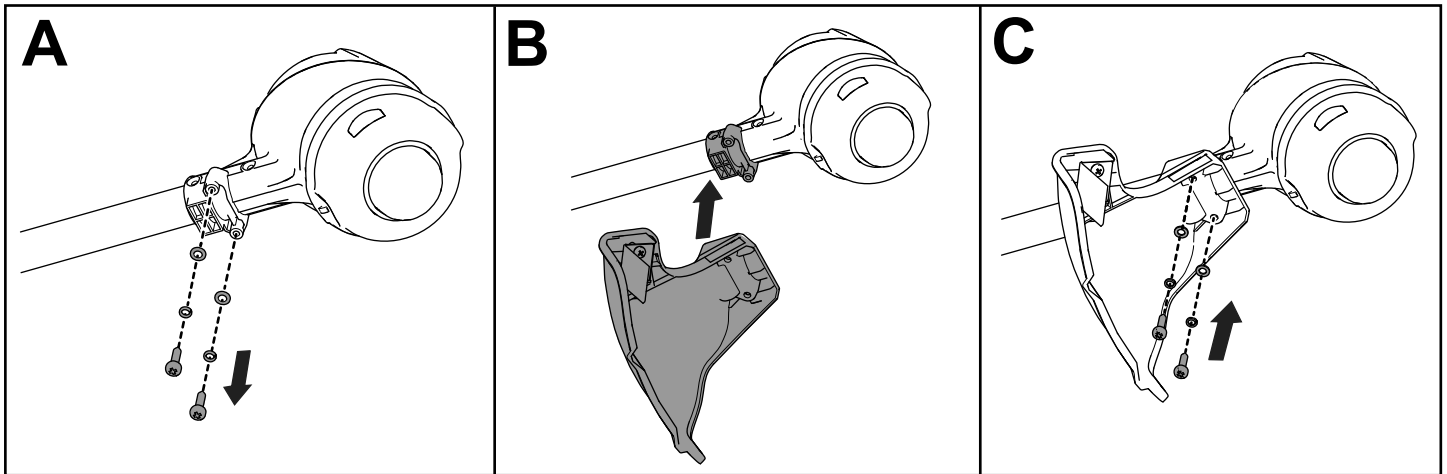


Figure 5

g330190

Product Overview

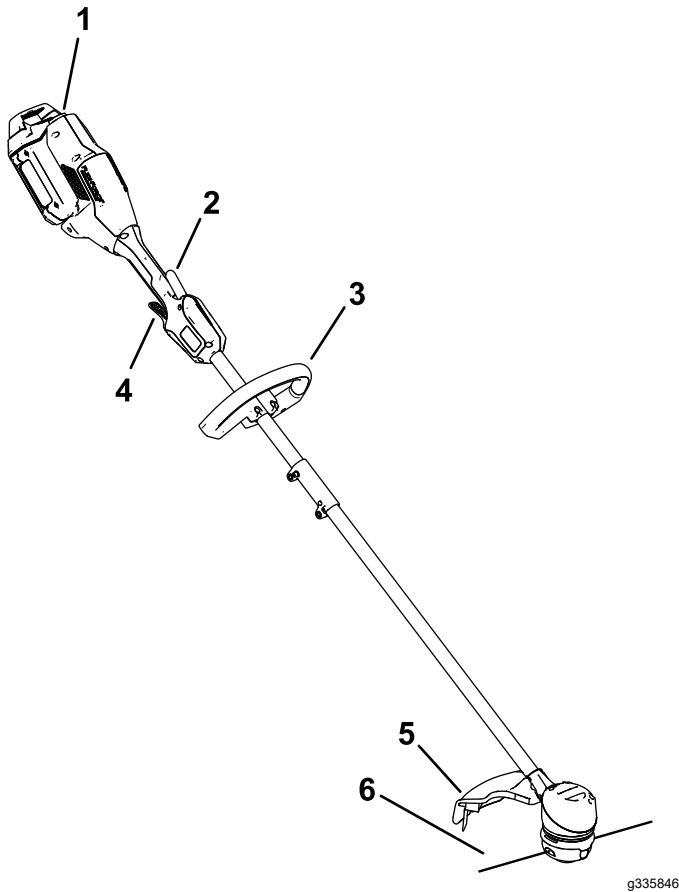


Figure 6

- 1. Battery latch
- 2. Lockout trigger
- 3. Auxiliary handle
- 4. Run trigger
- 5. Guard
- 6. String

g335846

Specifications

Model	51831/T
Rated Voltage	60V DC maximum, 54 VDC nominal usage
Charger Type	88602, 88605, or 88610 (included with 51831)
Battery Type	88620 (included with 51831), 88625, 88640, 88650, 88660, or 88675

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 trimmer at	0°C (32°F) to 49°C (120°F)
Store the trimmer 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.

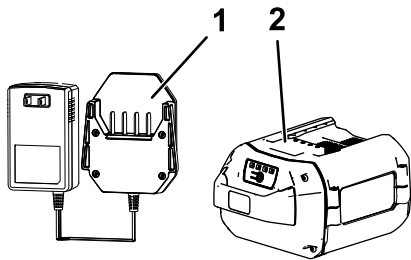


Figure 7

- 1. Battery charger Model 88610 (included with Model 51831)
- 2. Battery pack Model 88620 (included with Model 51831)

g330065

Operation

Starting the Trimmer

1. Make sure that the vents on the trimmer are clear of any dust and debris.

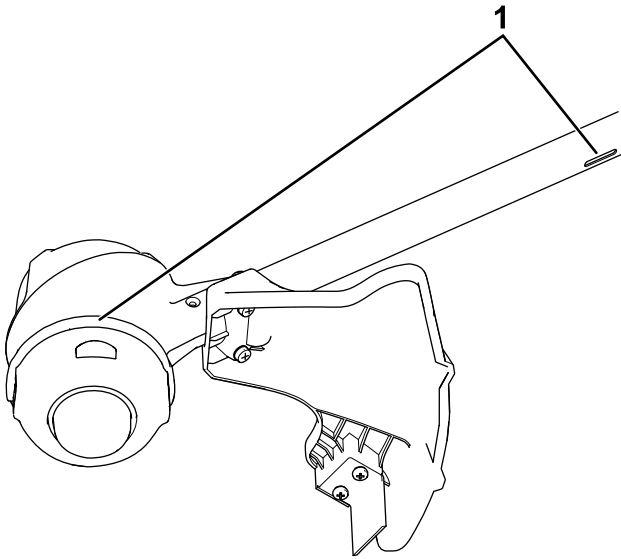


Figure 8

g330191

1. Trimmer venting areas

2. Align the cavity in the battery pack with the tongue on the handle housing (Figure 9).
3. Push the battery pack into the handle until the battery locks into the latch (Figure 9).

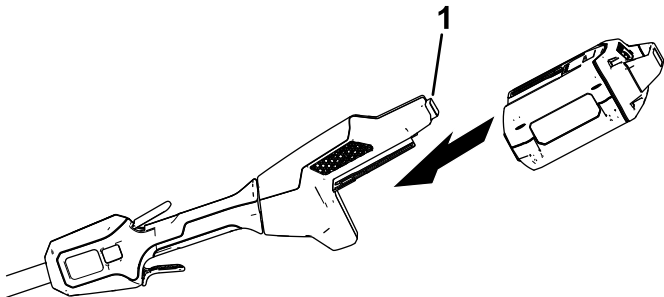


Figure 9

g330417

1. Battery latch

4. To start the trimmer, squeeze the lockout trigger, then squeeze the run trigger (Figure 10).

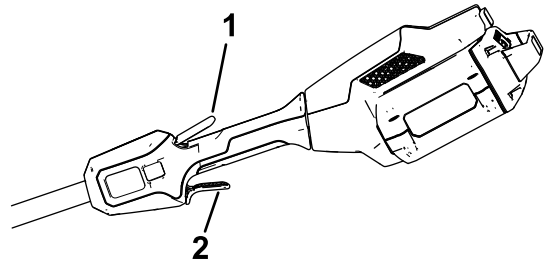


Figure 10

g330416

1. Lockout trigger
2. Run trigger

Shutting Off the Trimmer

To shut off the trimmer, release both triggers.

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

Removing the Battery Pack from the Trimmer

Press the battery latch on the machine to release the battery pack and slide the battery pack out of the machine (Figure 11).

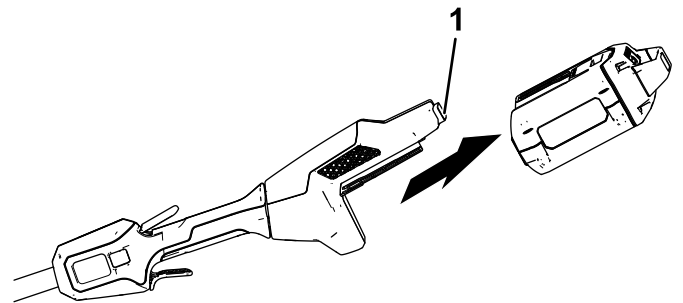


Figure 11

g331067

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

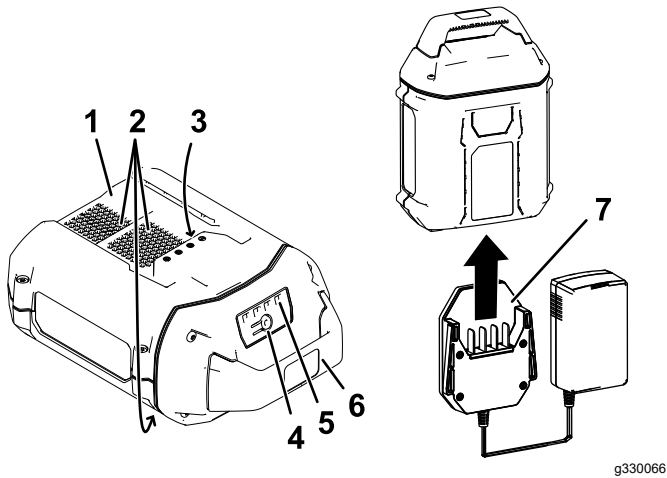


Figure 12

- | | |
|------------------------------------|------------------------------------|
| 1. Battery pack cavity | 5. LED indicators (current charge) |
| 2. Battery pack venting areas | 6. Handle |
| 3. Battery pack terminals | 7. Charger |
| 4. Battery-charge-indicator button | |
2. Line up the charger with the cavity on the back of the battery pack ([Figure 12](#)).
 3. Slide the charger into the battery pack until it is fully seated ([Figure 12](#)).
 4. To remove the charger, slide the charger backward out of the battery.
 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 \(page 18\)](#) for more information.

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

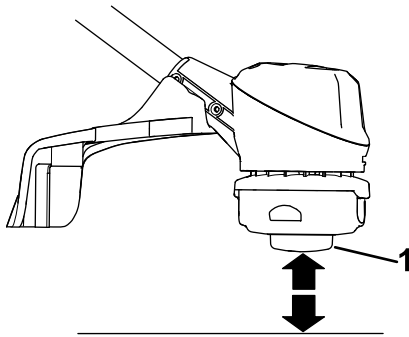
If the battery will not be used for longer periods, remove the battery from the charger; refer to [Storage \(page 17\)](#).

Advancing the Line Using the Bump Feed

1. Run the tool at full throttle.
2. Tap the bump button on the ground to advance the line. The line advances each time the bump button is tapped. Do not hold the bump button on the ground.

Note: The line trimming cut-off blade on the grass deflector cuts the line to the correct length.

Note: If the line is worn too short, you may not be able to advance the line by tapping it on the ground. If so, release both triggers and refer to [Advancing the Line Manually \(page 14\)](#).



g330186

Figure 13

1. Bump button
-

Advancing the Line Manually

Remove the battery pack from the trimmer, then push the bump button at the base of the spool retainer while pulling on the trimmer line to manually advance the line.

Adjusting the Cutting Swath

The trimmer comes from the factory with a cutting swath of 33.0 cm (13 inches) as shown in A of Figure 14. Refer to the following instructions to adjust the swath to 38.1 cm (15 inches) as shown in D of Figure 14.

1. Remove the swath blade from the bottom of the guard by removing the 2 screws holding it in place using the provided Allen wrench (B of Figure 14) and rotate the swath blade 180°.
2. Once the swath blade is rotated, install it onto the guard using the 2 screws previously removed (C of Figure 14).

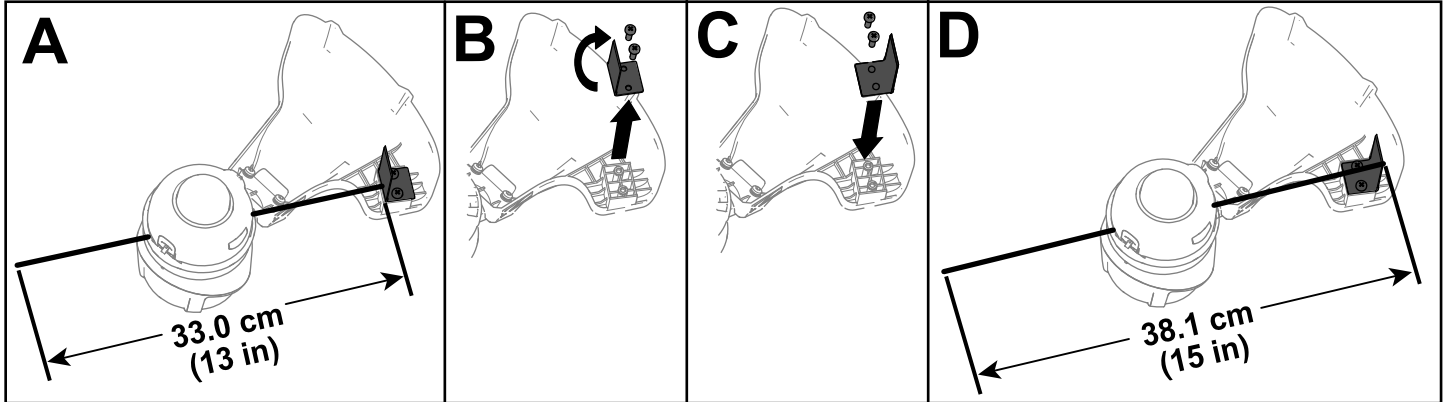


Figure 14

g330415

Operating Tips

- Keep the trimmer tilted toward the area being cut; this is the best cutting area.
- The string trimmer cuts when you move it from left to right. This prevents the trimmer from throwing debris at you.
- Use the tip of the string to do the cutting; do not force the string head into uncut grass.
- Wire and picket fences can cause the string to wear rapidly and even break. Stone and brick walls, curbs, and wood can also cause the string to wear rapidly.
- Avoid trees and shrubs. The string can easily damage tree bark, wood moldings, siding, and fence posts.

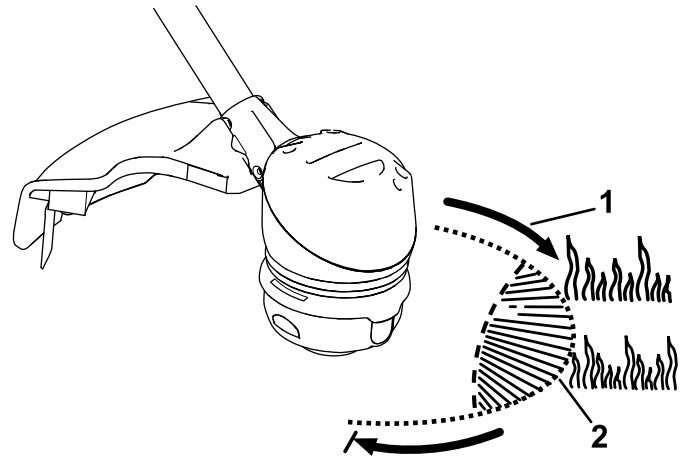


Figure 15

1. Direction of rotation
2. String path

g330188

Maintenance

After each use of the trimmer, complete the following:

1. Remove the battery from the trimmer.
2. Wipe the trimmer clean with a damp cloth. Do not hose the trimmer down or submerge it in water.

⚠ CAUTION

The line cutoff blade on the deflector is sharp and can cut you.

Do not use your hands to clean the deflector shield and blade.

3. Wipe or scrape clean the cutting head area any time there is an accumulation of debris.
4. Check and tighten all fasteners. If any part is damaged or lost, repair or replace it.
5. Brush debris away from air intake vents and exhaust on motor housing to prevent the motor from overheating.

Replacing the String

Important: Use only 2 mm (0.080 inch) monofilament replacement string (the manufacturer Part No. 88201), or purchase pre-wound spool Part No. 88615 or pre-wound spool 3-pack Part No. 88616.

1. Remove the battery pack and clean any debris from the trimmer head.
2. Press the tabs simultaneously on the side of the trimmer head and remove cover and spool (Figure 16).

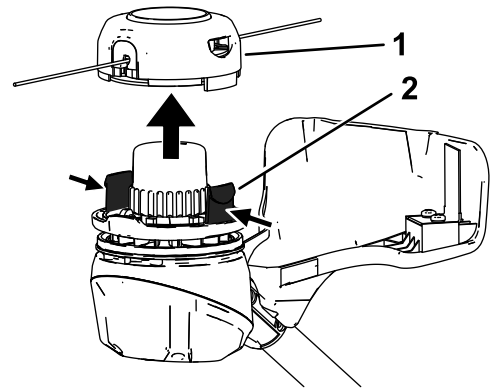


Figure 16

g330429

1. Cover and spool
2. Cover tabs

3. Remove the spool from the cover and remove any remaining string from the spool.
4. Cut 1 piece of 2 mm (0.080 inch) string to approximately 3 m (10 ft).

Important: Do not use any other gauge or type of string, as this could damage the trimmer.

5. Bend the new string at the midpoint and insert the bend into the starter slot in the center rim of the spool (Figure 17).

Note: Ensure that the line snaps into position in the slot.

6. Wrap the 2 halves of the string evenly and firmly around the spool as shown in Figure 17.

Note: Ensure that the string is wrapped clockwise around the spool when looking at the bottom of the spool.

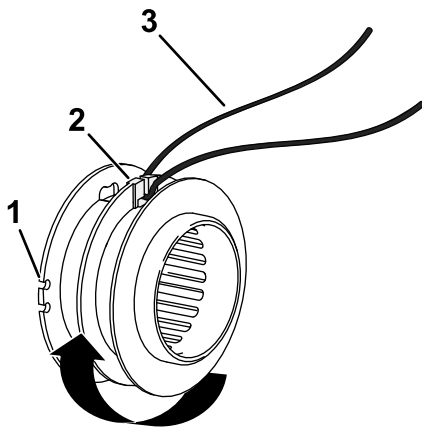


Figure 17

g330440

1. Guide slot for string end (once fully wound)
2. Center rim spool starter slot
3. New string

7. Wind the string, leaving just enough extending from the spool to contact the swath blade, and snap the ends into the guide slots on the spool (Figure 17).
8. Install the spool into the cover and route the ends of the string through the holes in the cover as shown in Figure 18.

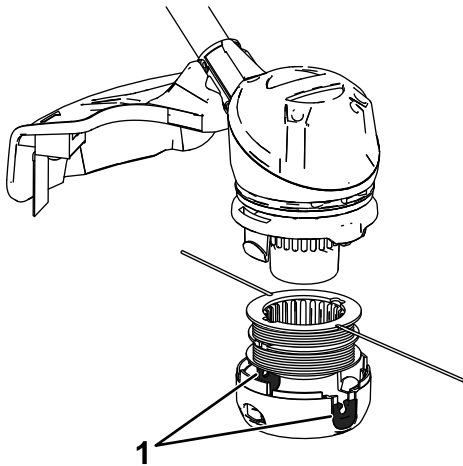


Figure 18

g330442

1. String exit holes

9. Install the spool and cover assembly to the trimmer head, push until the cover tabs snap into place.

Storage

Important: Store the tool, 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 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 machine 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.



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.

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 tool does not start.	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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.	<ol style="list-style-type: none"> 1. The battery pack charge capacity is too low. 2. The air vents are blocked. 	<ol style="list-style-type: none"> 1. Remove the battery pack from the tool and fully charge the battery pack. 2. Clean the air vents.
The tool is producing excessive vibration or noise.	<ol style="list-style-type: none"> 1. There is debris on the drum area on the trimmer. 2. The spool is not properly wound. 	<ol style="list-style-type: none"> 1. Clean any debris off of the drum area. 2. Advance the line using the trigger switch and/or remove the line on the spool and wind the spool again.
The battery pack loses charge quickly.	<ol style="list-style-type: none"> 1. The battery pack is over or under the appropriate temperature range. 	<ol style="list-style-type: none"> 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.	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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.	<ol style="list-style-type: none"> 1. The battery charger and/or battery pack is over or under the appropriate temperature range. 	<ol style="list-style-type: none"> 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.	<ol style="list-style-type: none"> 1. There is an error in the communication between the battery pack and the charger. 2. The battery pack is weak. 	<ol style="list-style-type: none"> 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. Properly dispose of the battery pack at a battery recycling facility.
The tool does not run or run continuously.	<ol style="list-style-type: none"> 1. There is moisture on the leads of the battery pack. 2. The battery is not fully installed into the tool. 	<ol style="list-style-type: none"> 1. Allow the battery pack to dry or wipe it dry. 2. Remove and then replace the battery into the tool making sure that it is fully installed and latched.

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.