



ProLine 21-inch Side Discharge

Walk Power Lawn Mower

Model No. 22026—210000001 and Up

Operator's Manual



Warning



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

Important This engine is not equipped with a spark arrester muffler. It is a violation of California Public Resource Code Section 4442 to use or operate this engine on any forest-covered, brush-covered or grass-covered land. Other states or federal areas may have similar laws.

This spark ignition system complies with Canadian ICES-002.

Ce système d'allumage par étincelle de véhicule est conforme à la norme NMB-002 du Canada.

The enclosed Engine Owner's Manual is supplied for information regarding The U.S. Environmental Protection Agency (EPA) and the California Emission Control Regulation of emission systems, maintenance and warranty.

Keep this engine Owner's Manual with your unit. Should this engine Owner's Manual become damaged or illegible, replace immediately. Replacements may be ordered through the engine manufacturer.

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Warning



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Introduction

Read this manual carefully to learn how to operate and maintain your product properly. The information in this manual can help you and others avoid injury and product damage. Although Toro designs and produces safe products, you are responsible for operating the product properly and safely.

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 illustrates the location of the model and serial numbers on the product.

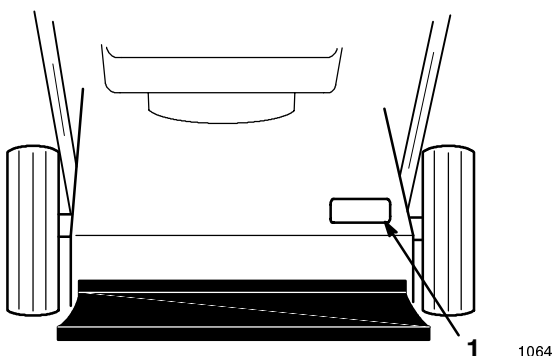


Figure 1

1. Location of the model and serial numbers

Write the product model and serial numbers in the space below:

Model No. _____

Serial No. _____

This manual identifies potential hazards and has special safety messages that help you and others avoid personal injury and even death. ***Danger***, ***Warning***, and ***Caution*** are signal words used to identify the level of hazard. However, regardless of the hazard, be extremely careful.

Danger signals an extreme hazard that *will* cause serious injury or death if you do not follow the recommended precautions.

Warning signals a hazard that *may* cause serious injury or death if you do not follow the recommended precautions.

Caution signals a hazard that may cause minor or moderate injury if you do not follow the recommended precautions.

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

Safety

This lawn mower meets or exceeds the CPSC blade safety requirements for walk-behind rotary lawn mowers and the B71.4 specifications of the American National Standards Institute in effect at the time of production.

Improperly using or maintaining this lawn mower can result in injury. To reduce the potential for injury, comply with these safety instructions.

Toro designed and tested this lawn mower to offer reasonably safe service; however, *failure to comply with the following instructions may result in personal injury.*




Warning



Engine exhaust contains carbon monoxide, an odorless, deadly poison that can kill you.

Do not run the engine indoors or in an enclosed area.

To ensure maximum safety, best performance, and to gain knowledge of the product, it is essential that you and any other operator of the lawn mower read and understand the contents of this manual before the engine is ever started. Pay particular attention to the safety alert symbol  which means *caution*, *warning*, or *danger* — “personal safety instruction.” Read and understand the instruction because it has to do with safety. Failure to comply with the instruction may result in personal injury.

General Lawn Mower Safety

This lawn mower is capable of amputating hands and feet and of throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

Training

- Read this operator’s manual carefully. Be thoroughly familiar with the controls and the proper use of the lawn mower before starting it.
- Never allow children to operate the lawn mower. Local regulations may restrict the age of the operator.
- Never allow adults unfamiliar with these instructions to operate the lawn mower.
- Never mow while people (especially children) or pets are nearby. Stop the lawn mower if anyone enters the area.
- Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the lawn mower and the mowing activity. Never assume that children will remain where you last saw them.
- Keep children out of the mowing area and under the watchful care of a responsible adult.
- Be alert and turn the lawn mower off if children enter the area.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- See the manufacturer's instructions for proper operation and installation of accessories. Use only the accessories that are approved by the manufacturer.

Preparation

- Thoroughly inspect the area where you will use the lawn mower, and remove all stones, sticks, wires, bones, and other foreign objects.
- While mowing, always wear substantial footwear and long trousers.
- Do not operate the lawn mower when barefoot or wearing open sandals.
- Always wear safety goggles or safety glasses with side shields when operating the lawn mower.
- Warning: Gasoline is highly flammable. Take the following precautions:
 - Store fuel in containers specifically designed for this purpose.
 - Refuel outdoors only and do not smoke while refuelling.
 - Add fuel before starting the engine. Never remove the cap of the fuel tank or add gasoline while the engine is running or when the engine is hot.
 - If gasoline is spilled, do not attempt to start the engine. Move the lawn mower away from the area of spillage to avoid creating any source of ignition until the gasoline vapors have dissipated.
 - Replace all fuel tank and container caps securely.
 - If you must drain the fuel from the fuel tank, do it outdoors.
- Replace faulty mufflers.
- Before using, always visually inspect the blades, blade bolts, and cutter assembly for wear or damage. Replace worn or damaged blades and bolts in sets to preserve balance.
- On multibladed lawn mowers, use care as rotating one blade can cause the other blades to rotate.

Operation

- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Mow only in daylight or in good artificial light.
- Always be sure of your footing on slopes.

- Walk; never run.
- Keep a firm hold on the handle.
- For wheeled rotary lawn mowers, mow across the face of slopes, never up and down.
- Exercise extreme caution when changing the direction on slopes.
- Do not mow excessively steep slopes.
- Use extreme caution when reversing or pulling the lawn mower toward you.
- Before and while moving backward, look behind and down for small children.
- Stop the blade(s) if you must tilt the lawn mower for transportation when crossing surfaces other than grass and when transporting the lawn mower to and from the area to be mowed.
- Never operate the lawn mower with damaged or missing guards or shields, or without safety devices (such as deflectors and grass catchers) in place.
- Do not change the speed settings on the engine.
- Disengage all blade and drive clutches before starting the engine.
- Start the engine carefully according to instructions and with feet well away from the blade(s).
- Do not tilt the lawn mower when starting the engine, unless you must tilt the lawn mower to start it. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator.
- Do not start the engine when standing in front of the discharge chute.
- Do not put your hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Never pick up or carry a lawn mower while the engine is running.
- Stop the engine and disconnect the spark-plug wire:
 - before clearing blockages or unclogging the chute;
 - before checking, cleaning, or working on the lawn mower;
 - after striking a foreign object. Inspect the lawn mower for damage and make repairs before starting and operating the lawn mower; and
 - if the lawn mower starts to vibrate abnormally (check it immediately).
- Stop the engine:
 - whenever you leave the lawn mower; and
 - before refuelling.

- Reduce the throttle setting during engine run-out and, if the engine has a shutoff valve, turn the fuel off after mowing.
- Stop the blade(s) when crossing gravel drives, walks, or roads.
- Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
- Do not operate the lawn mower while under the influence of alcohol or drugs.
- If the lawn mower should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.

Slopes are a major factor related to slip and fall accidents which can result in a severe injury. If you feel uneasy on a slope, do not mow it.

- Watch for holes, ruts, or bumps. Tall grass can hide obstacles.
- Do not mow near drop-offs, ditches, or embankments. You could lose your footing or balance.
- Do not mow on wet grass. Reduced footing could cause slipping.

- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check the components and replace them with the manufacturer's recommended parts when necessary.
- Lawn mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Do not change the speed settings on the engine.
- If you must drain the fuel from the fuel tank, do it outdoors.
- To ensure the best performance and safety, purchase only genuine Toro replacement parts and accessories.
- Maintain or replace safety and instruction decals when necessary.

Maintenance and Storage

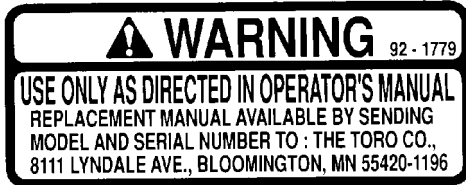
- Keep all nuts, bolts (especially blade attachment bolts), and screws tight to ensure that the lawn mower is in safe working condition.
- Never store the lawn mower with gasoline in the tank inside a building where fumes may reach an open flame or spark.
- Allow the engine to cool before storing the lawn mower in any enclosure.
- To reduce the fire hazard, keep the engine, muffler, battery compartment, and gasoline storage area free of grass, leaves, or excessive grease.
- Check the grass catcher frequently for wear or deterioration.
- Replace worn or damaged parts.
- Use extra care when handling gasoline; gasoline vapors are explosive.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep the lawn mower free of grass, leaves, or other debris buildup. Clean up any oil or fuel spills.
- Stop and inspect the lawn mower if you strike an object. Repair the lawn mower, if necessary, before starting the engine.
- Never attempt to make wheel height adjustments while the engine is running.

Safety and Instruction 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 lost.

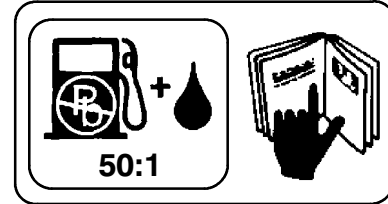
On Mower Housing
(Part No. 92-1779)



On Side Discharge Deflector
(Part No. 39-5770)



On Engine
(Part No. 62-7600)



On Mower Housing
(Part No. 68-7410)



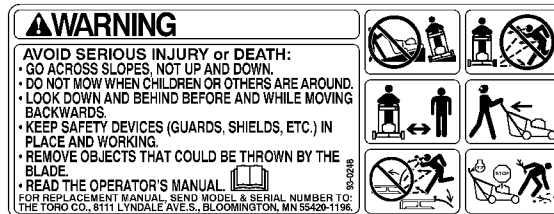
On Handle
(Part No. 98-4387)



On Deflector
(Part No. 71-8650)



On Mower Housing
(Part No. 93-0248)



Assembly

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

Installing the Handle

1. Mount the lower handle to the inside of the deck with 5/16–18 x 1-1/4 in. cap screws and locknuts.
2. Align the center hole in the handle latch with the hole in the handle, and secure it in place with 5/16–18 x 1-1/2 in. cap screws and locknuts (Fig. 2).

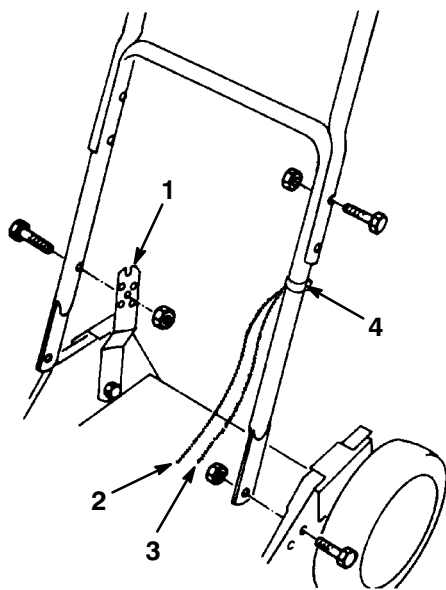


Figure 2

- | | |
|-------------------|----------------|
| 1. Handle Latch | 3. Brake cable |
| 2. Throttle cable | 4. Cable tie |

Note: You can set the handle to one of three positions to best fit the operator's height. To set the handle height, move the cap screw into a different hole in the handle latch (Fig. 2).

3. Mount the upper handle to the lower handle with 5/16–18 x 1-1/2 in. cap screws and locknuts.

Installing the Starter Rope

Pull the starter rope through the rope guide on the handle (Fig. 3).

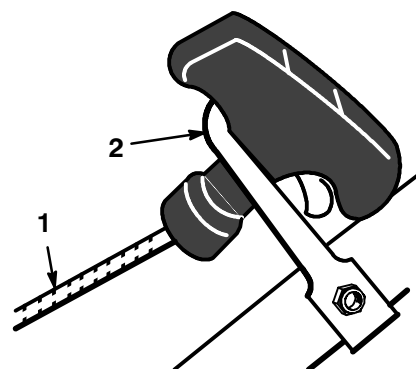


Figure 3

- | | |
|-----------------|---------------|
| 1. Starter rope | 2. Rope guide |
|-----------------|---------------|

Note: To make the rope easier to install, squeeze the control bar on the handle.

Installing the Fuel Tank and the Fuel Line

1. Start the self-tapping screws into the bottom of the fuel tank, then remove the screws (Fig. 4).

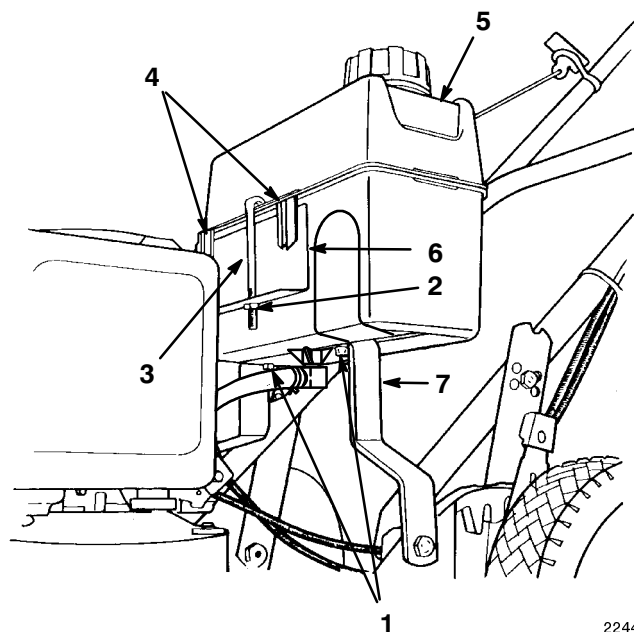


Figure 4

- | | |
|------------------------|----------------------|
| 1. Self-tapping screws | 5. Fuel tank |
| 2. Locknut | 6. Fuel tank bracket |
| 3. Fuel tank retainer | 7. Tank base |
| 4. Plastic clips | |

2. Hook the plastic clips on the rear of the fuel tank onto the fuel tank bracket (Fig. 4).

3. Secure the fuel tank to the tank base with two self-tapping screws (Fig. 4). *Do not overtighten the screws.*
4. Hook the fuel tank retainer onto the fuel tank and slide the end of the fuel tank retainer into the hole in the fuel tank bracket (Fig. 4).
5. Secure the fuel tank retainer to the fuel tank bracket with a locknut (Fig. 4).
6. Remove the cap plugs from the end of the fuel line and the elbow fitting (Fig. 5). Discard the cap plugs.

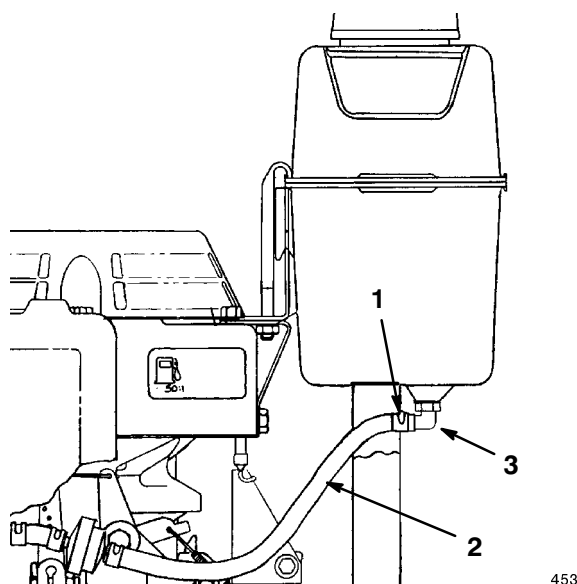


Figure 5

1. Fuel line clamp
2. Fuel line
3. Elbow fitting

7. Slide the end of the fuel line onto the fuel line elbow fitting (Fig. 5).
8. Use a pliers to pinch the fuel line clamp ends and slide the clamp down the fuel line toward the elbow fitting. Release the clamp to secure the fuel line to the elbow fitting (Fig. 5).

Before Starting

Mixing Gasoline and Oil

Your Toro lawn mower is powered by a two-cycle engine that requires a 50:1 gasoline-to-oil mixture.

Use only clean, fresh, unleaded gasoline (including oxygenated or reformulated gasoline) with an octane rating of 87 or higher. To ensure freshness, purchase only the amount of gasoline you expect to use in 30 days. Using unleaded gasoline reduces combustion chamber deposits and promotes longer spark plug life.

Important Do not use methanol, gasoline containing methanol, gasohol containing more than 10% ethanol, premium gasoline, or white gas. Using these fuels can damage the fuel system.

Important Do not use an automotive oil (such as SAE 30 or SAE 10W30), a two-cycle oil that is not NMMA- or TCW-certified, or a fuel mixed at the wrong gasoline-to-oil ratio. This can cause engine damage not covered under the Toro warranty.



Danger



In certain conditions, gasoline is extremely flammable and highly explosive. A fire or explosion from gasoline can burn you and others and cause property damage.

- Fill the fuel tank outdoors, in an open area, and when the engine is cold. Wipe up any gasoline that spills.
- Do not fill the fuel tank completely full. Add gasoline to the fuel tank until the level is 1/4 to 1/2 in. (6 to 13 mm) below the bottom of the filler neck. This empty space in the tank allows the gasoline to expand.
- Never smoke when handling gasoline, and stay away from an open flame or where a spark may ignite gasoline fumes.
- Store gasoline in an approved fuel container and keep it out of the reach of children.
- Never buy more than a 30-day supply of gasoline.



Danger



When fueling, under certain circumstances, a static charge can develop, igniting the gasoline. A fire or explosion from gasoline can burn you and others and cause property damage.

- Always place fuel containers on the ground and away from your vehicle before filling.
- Do not fill fuel containers inside a vehicle or on a truck or trailer bed because interior carpets or plastic truck bed liners may insulate the container and slow the loss of any static charge.
- When practical, remove gas-powered equipment from the truck or trailer and refuel the equipment with its wheels on the ground.
- If this is not possible, then refuel such equipment on a truck or trailer from a portable container, not from a gasoline dispenser nozzle.
- If you must use a gasoline dispenser nozzle, keep the nozzle in contact with the rim of the fuel tank or container opening at all times until fueling is complete.

Note: Use a fuel stabilizer/conditioner for all Toro gasoline-powered products during operation and storage. A fuel stabilizer/conditioner cleans the engine during operation and prevents gum-like varnish deposits from forming in the engine during storage. A fuel stabilizer/conditioner works best when you mix it with fresh gasoline. If you use *Toro 50:1 All Season 2-Cycle Engine Oil with Fuel Stabilizer*, you do not need to add a fuel stabilizer/conditioner.

Important Do not use fuel additives except a fuel stabilizer during storage. Do not use fuel stabilizers with an alcohol base such as ethanol, methanol, or isopropanol.

1. Pour a half gallon (1.9 liters) of fresh unleaded gasoline into an approved fuel container.

Note: Do not mix gasoline and oil in the fuel tank of the lawn mower. Oil at room temperature mixes easier and more thoroughly than cold oil. Oil below 32°F (0°C) requires additional mixing.

2. Add the full amount of *Toro 50:1 All Season 2-Cycle Engine Oil with Fuel Stabilizer* or an equivalent high grade, NMMA- or TCW-certified two-cycle oil to the gasoline according to the chart below:

50:1 Gasoline-to-Oil Ratio Mixing Chart	
Gasoline	Oil
1 gallon (3.8 liters)	2.6 ounces (77 ml)
2 gallons (7.6 liters)	5.2 ounces (154 ml)
5 gallons (18.9 liters)	13 ounces (384 ml)

3. Install the cap on the fuel container.
4. Shake the container to mix the gasoline and oil thoroughly.
5. Slowly remove the cap and add the remaining amount of gasoline.

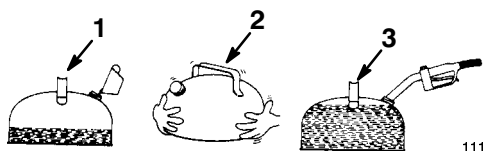


Figure 6

1. Add oil to a half gallon of gasoline
2. Install the cap and shake the can to mix
3. Add the remaining amount of gasoline

Operation

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

Each time before you mow, ensure that the brake and the control bar function properly. When you release the control bar, the blade should stop. If it does not, contact an Authorized Service Dealer.

⚠
Caution
⚠

This machine produces sound levels in excess of 85dBA at the operator's ear and can cause hearing loss through extended periods of exposure.

Wear hearing protection when operating this machine.



Figure 7

1. Caution
2. Wear hearing protection

Controls

The throttle control, the control bar, and the recoil starter are on the upper handle as shown in Figure 8.

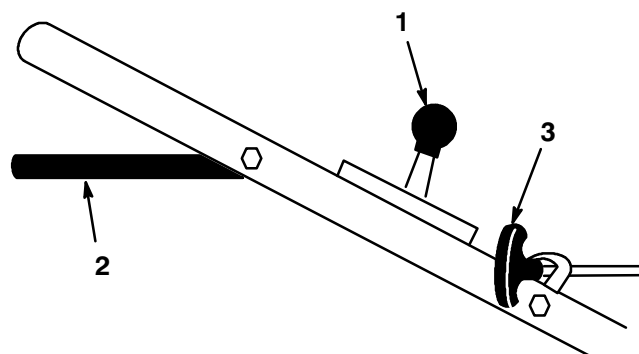


Figure 8

1. Throttle control
2. Control bar
3. Recoil starter

Starting the Engine

1. Connect the wire to the spark plug (Fig. 9).

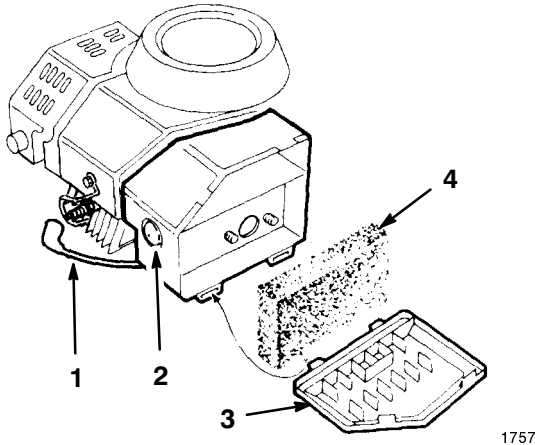




Figure 9

- | | |
|--------------------|-----------------|
| 1. Spark-plug wire | 3. Cover |
| 2. Primer | 4. Foam element |

2. Move the throttle control to the  (*Choke*) position.
3. Cover the hole in the center of the primer with your thumb and push it in once (Fig. 9).
4. Lift the control bar to the handle and hold it.
5. Pull the recoil starter out until you feel resistance; then pull vigorously to start the engine.
6. Regulate the throttle as desired when the engine starts.

Note: You may not need to move the throttle to the  (*Choke*) position when you start a warm engine.

Stopping the Engine

1. Release the control bar and wait for all moving parts to stop.
2. Disconnect the wire from the spark plug if you do not use the lawn mower or if you leave it unattended.

Adjusting the Cutting Height

The cutting height is adjustable from approximately 3/4 to 3-1/4 inches (19 to 83 mm) in 1/2-inch (12.7 mm) increments (Fig. 10). Moving the cutting height adjuster forward raises the cutting height.

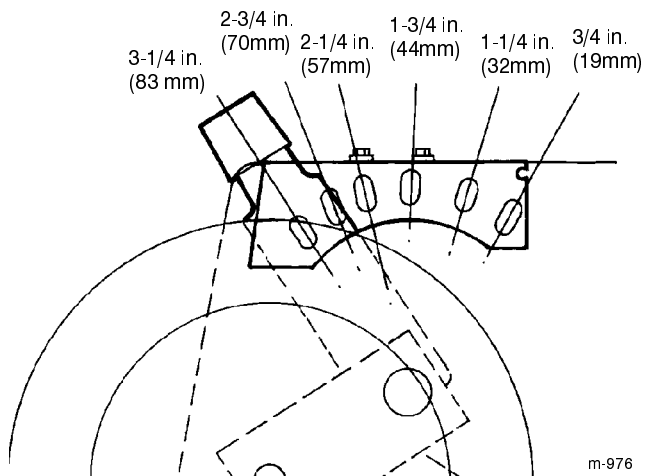


Figure 10



Danger



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

- Stop the engine and wait for all movement to stop before adjusting the cutting height.
- Do not put your fingers under the housing when adjusting the cutting height.

1. Stop the engine and wait for all moving parts to stop.
2. Lift up the housing so that the wheel is off the ground. **Do not place your hands under the deck to lift up the housing.**
3. Squeeze the cutting height adjuster lever toward the wheel (Fig. 11) and move it to the desired setting.

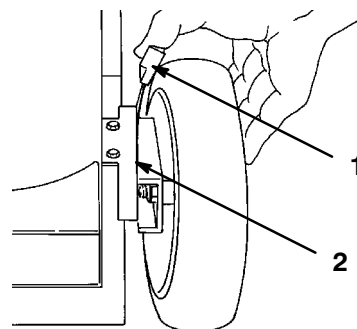


Figure 11

- | | |
|----------------------------------|-----------------------------|
| 1. Cutting height adjuster lever | 2. Housing wear plate lever |
|----------------------------------|-----------------------------|

Note: Ensure that the pin on the adjusting lever engages the notch in the lawn mower housing wear plate.

4. Adjust all the wheels to the same cutting height setting.

Operating Tips

- Review the safety instructions and read this manual carefully before operating the lawn mower.
- Clear the area of sticks, stones, wire, branches, and other debris that the blade could hit and throw.
- Keep everyone, especially children and pets, away from the area of operation.
- Avoid striking trees, walls, curbs, or other solid objects. Never deliberately mow over any object.
- If the lawn mower strikes an object or starts to vibrate, immediately stop the engine, disconnect the wire from the spark plug, and examine the lawn mower for damage.
- Maintain a *sharp blade* throughout the cutting season. Periodically file down nicks on the blade.
- Replace the blade when necessary with an original Toro replacement blade.
- Mow only dry grass or leaves. Wet grass and leaves tend to clump on the yard and can cause the lawn mower to plug or the engine to stall.



Warning



Wet grass or leaves can cause you to slip, contact the blade, and seriously injure you.

Mow only in dry conditions.

- Clean the underside of the lawn mower deck after each mowing. See Cleaning the Underside of the Lawn Mower Housing on page 13.
- Keep the engine in good running condition.
- Set the engine speed to the fastest position for the best cutting results.



Warning



Operating a lawn mower with its engine running at a speed greater than the factory setting can cause the lawn mower to throw a part of the blade or engine into the operator's or bystander's area and result in serious personal injury or death.

- **Do not change the engine speed setting.**
- **If you suspect the engine speed is faster than normal, contact an Authorized Service Dealer.**

- Clean the air filter frequently. Mulching stirs up more clippings and dust which clogs the air filter and reduces engine performance.

Cutting Grass

- Grass grows at different rates at different times of the year. In the summer heat, it is best to cut grass at the 1-3/4 in. (44 mm), 2-1/4 in. (57 mm), or 2-3/4 in. (70 mm) cutting height settings. Cut only about a third of the grass blade at a time. Do not cut below the 1-3/4 in. (44 mm) setting unless the grass is sparse or it is late fall when grass growth begins to slow down.
- When cutting grass over six inches (15 cm) tall, first 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 and the leaves clump on top of the lawn, the lawn mower may plug and cause the engine to stall.
- Alternate the mowing direction. This helps disperse the clippings over the lawn for even fertilization.

If the finished lawn appearance is unsatisfactory, try one or more of the following:

- Sharpen the blade.
- Walk at a slower pace while mowing.
- Raise the cutting height on your lawn mower.
- Cut the grass more frequently.
- Overlap cutting swaths instead of cutting a full swath with each pass.
- Set the cutting height on the front wheels one notch lower than the rear wheels. For example, set the front wheels at 1-3/4 in. (44 mm) and the rear wheels at 2-1/4 in. (57 mm).

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 one pass over the leaves.

- For light leaf coverage, set all the wheels at the same cutting height setting.
- If there are more than five inches (12.7 cm) of leaves on the lawn, set the front cutting height one or two notches higher than the rear cutting height. This makes it easier to feed the leaves under the lawn mower deck.
- Slow down your mowing speed if the lawn mower does not cut the leaves finely enough.
- If you mow over oak leaves, you can add lime to the grass in the spring to reduce the acidity of the oak leaves.

Maintenance

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

Recommended Maintenance Schedule

Maintenance Service Interval	Maintenance Procedure
Each Use	<ul style="list-style-type: none"> • Remove grass clippings and dirt from under the housing. • Clean the discharge tunnel and the discharge tunnel plug.
5 Hours	<ul style="list-style-type: none"> • Check the blade and the engine mounting fasteners. Tighten them if they are loose.
25 Hours	<ul style="list-style-type: none"> • Clean the air cleaner (Clean it more frequently in dusty or dirty conditions). • Inspect the spark plug and replace it if necessary.
50 Hours	<ul style="list-style-type: none"> • Sharpen or replace the blade; maintain it more frequently if the edge dulls quickly in rough or in sandy conditions. • Check the stopping time of the blade brake. The blade must stop within three seconds of releasing the bail; if it does not, contact an Authorized Service Dealer for repair. • Check for leaks in the fuel system and/or a deteriorating fuel hose. Replace parts if necessary. • Remove grass clippings and debris from under the belt cover.
75 Hours	<ul style="list-style-type: none"> • Clean the cooling system. • Adjust the throttle. • Clean the muffler and the exhaust port.
100 Hours	<ul style="list-style-type: none"> • Adjust the brake cable. • Service the wheels.
Storage	<ul style="list-style-type: none"> • Empty the fuel tank before repairs as directed or before storage.

Important Refer to your engine operator's manual for additional maintenance procedures.



Caution



If you leave the wire on the spark plug, someone could accidentally start the engine and seriously injure you or other bystanders.

Disconnect the wire from the spark plug before you do any maintenance. Set the wire aside so that it does not accidentally contact the spark plug.

Cleaning the Underside of the Lawn Mower Housing

To ensure the best performance, keep the underside of the lawn mower housing clean.

1. Disconnect the wire from the spark plug (Fig. 9).
2. Drain the fuel from the fuel tank. Refer to steps 3 and 4 of Emptying the Fuel Tank on page 17.



Warning



Tipping the lawn mower may cause the fuel to leak from the carburetor or the fuel tank. Gasoline is extremely flammable, highly explosive, and, under certain conditions, can cause personal injury or property damage.

Avoid fuel spills by running the engine dry or by removing the gasoline with a hand pump; never siphon.

3. Tip the lawn mower onto its **left** side (air cleaner up) (Fig. 12).

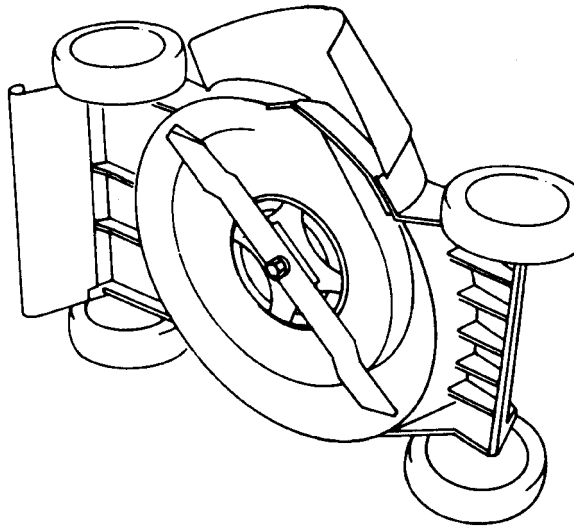


Figure 12

4. Remove the dirt and grass clippings with a hardwood scraper. Avoid burrs and sharp edges.
5. Turn the lawn mower upright.
6. Fill the fuel tank.
7. Connect the wire to the spark plug.

Servicing the Air Cleaner

Clean the air cleaner after every 25 operating hours. Clean it more frequently if you operate the lawn mower in dusty or dirty conditions.

1. Stop the engine and wait for all moving parts to stop.
2. Disconnect the wire from the spark plug (Fig. 9).
3. Lift the tabs at the top of the air cleaner cover and pivot the cover down (Fig. 9). Clean the cover thoroughly.
4. If the outside of the foam element is dirty, remove it from the air cleaner body. Clean the foam element thoroughly.
 - A. Wash the foam element in a solution of liquid soap and warm water. Squeeze the foam element to remove dirt, but do not twist it because the foam may tear. Rinse the foam element thoroughly in clear water.
 - B. Dry the foam element by wrapping it in a clean rag. Squeeze the rag and the foam element to dry.
 - C. Saturate the element with engine oil. Squeeze the foam element to remove the excess oil and to distribute the oil thoroughly. A damp foam element is desirable.
5. Install the foam element and the air cleaner cover.

Important Do not operate the engine without the air cleaner element because extreme engine wear and damage will likely result.

Servicing the Spark Plug

Check the spark plug after every 25 operating hours. Use an *NGK BPMR4A* spark plug or equivalent.

1. Stop the engine and wait for all moving parts to stop.
2. Disconnect the wire from the spark plug (Fig. 9).
3. Clean around the spark plug.
4. Remove the spark plug from the cylinder head.

Important Replace a cracked, fouled, or dirty spark plug. Do not clean the electrodes because grit entering the cylinder can damage the engine.

5. Set the gap on the plug to 0.032 in. (0.81 mm) (Fig. 13).

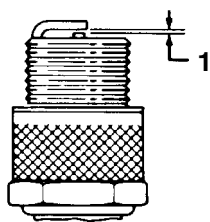


Figure 13

m-110

1. 0.032 in. (0.81 mm)

6. Install the spark plug and the gasket seal.
7. Torque the plug to 10 ft-lb (13.6 N·m).
8. Connect the wire to the spark plug.

Maintaining the Cutting Blade

Always mow with a sharp blade. A sharp blade cuts cleanly and without tearing or shredding the grass blades.

1. Stop the engine and wait for all moving parts to stop.
2. Disconnect the wire from the spark plug (Fig. 9).
3. Drain the gasoline from the fuel tank; refer to steps 3 and 4 of Emptying the Fuel Tank on page 17.
4. Tip the lawn mower onto its **left** side (air cleaner up) (Fig. 14).

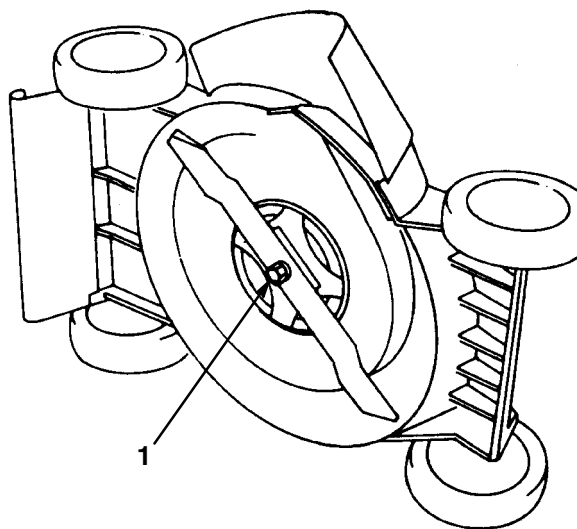
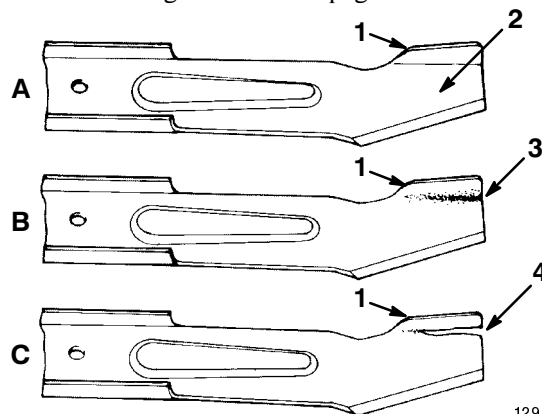


Figure 14

1. Blade bolt and lockwasher

Inspecting the Blade

Carefully examine the blade for sharpness and wear, especially where the flat and the curved parts meet (Fig. 15A). Because sand and abrasive material can wear away the metal that connects the flat and curved parts of the blade, check the blade before using the lawn mower. If you notice a slot or wear (Figs. 15B and 15C), replace the blade; refer to Removing the Blade on page 14.



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Figure 15

- | | |
|-----------------------|----------------|
| 1. Sail | 3. Wear |
| 2. Flat part of blade | 4. Slot formed |

Note: For the best performance, install a new blade before the cutting season begins. During the year, file down any small nicks to maintain the cutting edge.



Danger



A worn or damaged blade can break, and a piece of the blade could be thrown into the operator's or bystander's area, resulting in serious personal injury or death.

- Inspect the blade periodically for wear or damage.
- Replace a worn or damaged blade.

Removing the Blade

1. Grasp the end of the blade using a rag or a thickly padded glove.
2. Remove the blade bolt, the lock washer, and the blade (Fig. 14).

Sharpening the Blade

File the top side of the blade to maintain its original cutting angle (Fig. 16A) and inner cutting edge radius (Fig. 16B). The blade will remain balanced if you remove the same amount of material from both cutting edges.

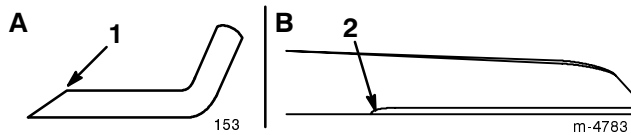


Figure 16

1. Sharpen at this angle only
2. Maintain the original radius here

Balancing the Blade

1. Check the balance of the blade by placing the center hole of the blade over a nail or screwdriver shank clamped horizontally in a vise (Fig. 17).

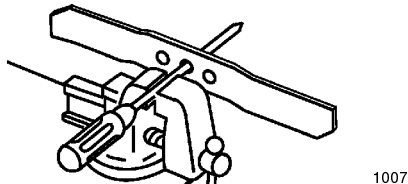


Figure 17

Note: You can also check the balance using a commercially manufactured blade balancer.

2. If either end of the blade rotates downward, file that end (not the cutting edge or the end near the cutting edge). The blade is properly balanced when neither end drops.

Installing the Blade

1. Install a sharp, balanced Toro blade, the lock washer, and the blade bolt. The sail of the blade must point toward the top of the lawn mower housing for proper installation. Torque the blade bolt to 50 ft-lb (68 N·m).



Warning



Operating the lawn mower without the accelerator in place can cause the blade to flex, bend, or break, resulting in serious injury or death to the operator or bystanders.

Do not operate the lawn mower without the accelerator.

2. Return the lawn mower to its upright position.

3. Connect the wire to the spark plug.

Cleaning the Cooling System

After every 75 operating hours, clean the cylinder, the cylinder head fins, and around the carburetor and the linkage with a brush or an air hose. Remove debris from the air intake slots on the recoil housing. This ensures proper cooling and optimum engine performance.

Adjusting the Throttle

You may need to adjust the throttle control if the engine does not start. Whenever you install a new throttle control cable, adjust the throttle.

1. Stop the engine and wait for all moving parts to stop.
2. Disconnect the wire from the spark plug (Fig. 9).
3. Move the throttle control to the *(Fast)* position.
4. Loosen the clamp screw until the throttle control cable slides (Fig. 18).

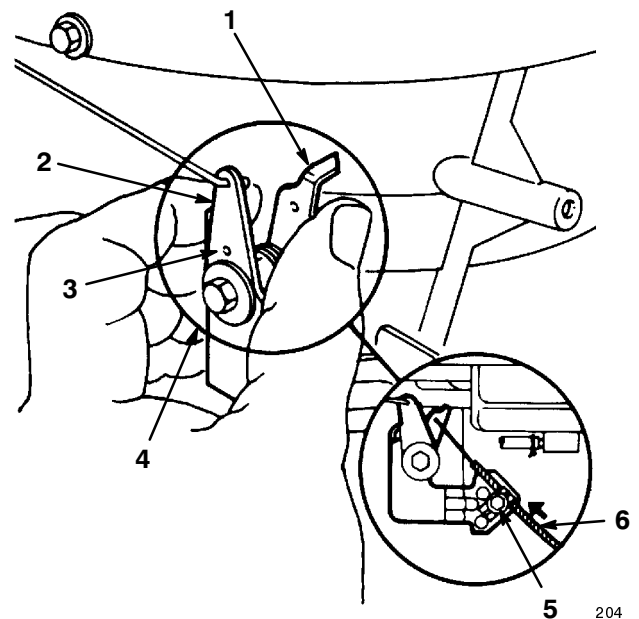


Figure 18

1. Throttle arm
2. Choke arm
3. Aligned holes
4. Throttle bracket
5. Clamp screw
6. Throttle control cable

5. Align the holes in the choke arm and the throttle bracket (Fig. 18).

6. Insert a small-diameter pin into the aligned holes to hold the adjustment.
7. Push the throttle control cable until the throttle arm makes contact with the choke arm (Fig. 18).
8. Tighten the cable clamp.
9. Remove the pin.

Cleaning the Muffler and the Exhaust Port

Clean the end of the muffler pipe and the exhaust port after every 75 hours of operation.



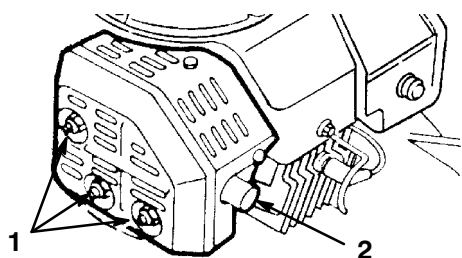
Caution



The muffler and the engine surface become hot when the lawn mower is in operation. Contact with the hot muffler surface can burn you.

Clean the muffler and the exhaust port only after the engine and the muffler are cool.

1. Stop the engine and wait for all moving parts to stop.
2. Disconnect the wire from the spark plug (Fig. 9).
3. Use a hardwood scraper to remove the carbon from the end of the muffler pipe (Fig. 19).



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Figure 19

1. Screw, nuts, and lock washers
2. Muffler pipe

4. Remove the screw, two nuts, and two lock washers (Fig. 19).
5. Slide the muffler off the mounting pins.
6. Slowly pull the recoil starter so that the piston covers the exhaust port (Fig. 20).

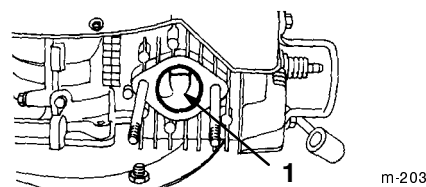


Figure 20

1. Exhaust port

7. Clean the carbon from the exhaust port (Fig. 20) with a flat hardwood scraper.

Important Do not use a metal scraper or a similar object to clean the exhaust port because it could damage the piston or the cylinder.

8. Install the muffler with the screw, two nuts, and two lock washers (Fig. 20).
9. After cleaning the exhaust port, ensure that the muffler gasket is still usable.

Adjusting the Blade Brake Cable

Whenever you install a new brake cable assembly, adjust it.

1. Stop the engine and wait for all moving parts to stop.
2. Disconnect the wire from the spark plug (Fig. 9).
3. Check the adjustment of the cable by moving the control bar toward the handle until you remove the slack in the cable. The gap between the brake lever and the handle must be between 3/16 and 1/4 in. (5 and 6 mm). To adjust the cable, go to step 4.
4. Loosen the jam nut on the brake cable (Fig. 21).

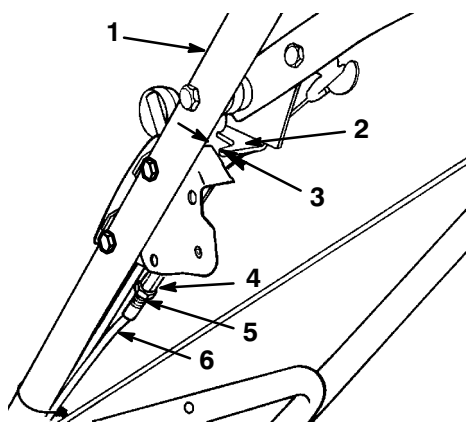


Figure 21

- | | |
|--------------------------------|-------------------|
| 1. Handle | 4. Cable adjuster |
| 2. Brake lever | 5. Jam nut |
| 3. 3/16 to 1/4 in. (5 to 6 mm) | 6. Cable conduit |

5. Insert a 3/16 to 1/4 in. (5 to 6 mm) object between the brake lever and the handle.
6. Turn the cable adjuster on the brake cable until you remove the slack.
7. Tighten the nut.

Servicing the Wheels

Removing the Wheels

1. Stop the engine and wait for all moving parts to stop.
2. Disconnect the wire from the spark plug (Fig. 9).
3. Remove the cap screw, the wheel spacer, and the locknut mounting the wheel to the pivot arm (Fig. 22).

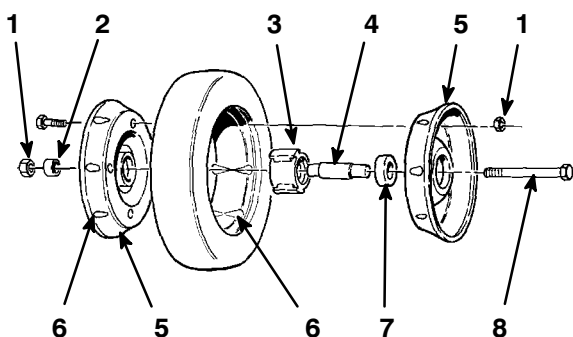


Figure 22

- | | |
|-------------------------|----------------|
| 1. Locknuts | 5. Wheel half |
| 2. Wheel spacer | 6. Lug |
| 3. Bearing/hub assembly | 7. Bearing (2) |
| 4. Bearing spacer | 8. Cap screw |

4. Separate the wheel halves from the tire by removing four cap screws and four locknuts (Fig. 22).

Note: If you remove the bearings from the bearing/hub assembly, remove them by pressing on the bearing spacer (Fig. 22).

Assembling the Wheels

1. Position the tire onto one wheel half, aligning the lugs on each (Fig. 22).
2. Place the bearing/hub assembly into the center hole of the wheel half. Ensure that the legs of the hub are positioned over the flange of the hole (Fig. 22).
3. Place the other wheel half onto the bearing/hub assembly, aligning the wheel and the tire lugs and the mounting holes (Fig. 22).
4. Using two 1/4-20 x 1.50 in. (6 x 38 mm) fully threaded screws or bolts and non-locking nuts, loosely secure the wheel halves together. Mount the screws or bolts in the opposing holes (Fig. 22).
5. Check the alignment of all parts and tighten the screws, alternating from side to side for a uniform fit, until the wheel halves are drawn together (Fig. 22).
6. Install the two cap screws and two locknuts previously removed in the remaining holes in the wheel halves and tighten. Remove the two long screws or bolts and replace them with two cap screws and two locknuts (Fig. 22).
7. Install the wheel to the pivot arm with the cap screws, a spacer, and a locknut. Ensure that the spacer is positioned between the wheel hub and the pivot arm (Fig. 22).

Emptying the Fuel Tank

1. Stop the engine and wait for it to cool down.
2. Disconnect the wire from the spark plug (Fig. 9).
3. Remove the cap from fuel tank (Fig. 4).
4. Use a hand pump to syphon the fuel into a clean, approved fuel container.
5. Connect the wire to the spark plug.
6. Run the engine until it stops.
7. Start the engine again to ensure that all the fuel is out of the carburetor.

Storage

To prepare the lawn mower for off-season storage, perform the recommended maintenance procedures. Refer to Maintenance on page 12.

Store the lawn mower in a cool, clean, dry place. Cover the lawn mower to keep it clean and protected.

Preparing the Fuel System



Warning



Gasoline can vaporize if you store it over long periods of time and explode if it comes into contact with an open flame.

- **Do not store gasoline over long periods of time.**
- **Do not store the lawn mower with gasoline in the fuel tank or the carburetor in an enclosure with an open flame. (For example, a furnace or a water heater pilot light.)**
- **Allow the engine to cool before storing it in any enclosure.**

Empty the fuel tank when mowing the last time before storing the lawn mower.

1. Run the lawn mower until the engine stops from running out of fuel.
2. Prime the engine and start it again.
3. Allow the engine to run until it stops. When you can no longer start the engine, it is sufficiently dry.

Preparing the Engine

1. Remove the spark plug (Fig. 9).
2. Using an oil can, add about one tablespoon of oil to the crankcase through the spark plug hole.
3. Slowly rotate the engine several times, using the starter rope, to distribute the oil.
4. Install the spark plug but **do not** connect the wire to the spark plug.

General Information

1. Clean the lawn mower housing. Refer to Cleaning the Underside of the Lawn Mower Housing on page 13.
2. Clean any dirt and chaff from the cylinder, cylinder head fins, and blower housing.

3. Remove grass clippings, dirt, and grime from the external parts of the engine, the shrouding, and the top of the lawn mower housing.
4. Check the condition of the blade. Refer to Maintaining the Cutting Blade on page 14.
5. Clean the air cleaner; refer to Servicing the Air Cleaner on page 13.
6. Tighten all nuts, bolts, and screws.
7. Touch up all rusted or chipped paint surfaces with paint available from an Authorized Service Dealer.

Accessories

You may purchase the following accessories from an Authorized Service Dealer:

- Side Discharge Kit
- Atomic Blade
- Spark Arrestor Kit

Note: If a spark arrestor is required by local, state, or federal regulations, you may purchase one from an Authorized Service Dealer. Clean the screen after every 75 hours of operation. Operating the lawn mower on any California forest, brush, or grass-covered land without a properly operating spark arrestor violates state law, Section 4442 Public Resources Code.

Troubleshooting

Toro designed and built your lawn mower for trouble-free operation. Check the following components and items carefully, and refer to Maintenance on page 12 for more information. If a problem continues, contact an Authorized Service Dealer.

Problem	Possible Causes	Corrective Action
Engine does not start	<ol style="list-style-type: none"> 1. The fuel tank is empty or the fuel system contains stale fuel. 2. The throttle lever is not in the <i>Fast</i> position. 3. The primer has not been pressed. 4. The wire is not connected to the spark plug. 5. The spark plug is pitted, fouled, or the gap is incorrect. 	<ol style="list-style-type: none"> 1. Drain and/or fill the fuel tank with a fresh gasoline-and-oil mixture. If the problem persists, contact an Authorized Service Dealer. 2. Move the throttle lever to the <i>Fast</i> position. 3. Press the primer three times. 4. Connect the wire to the spark plug. 5. Check the spark plug and adjust the gap if necessary. Replace the spark plug if it is pitted, fouled, or cracked.
Engine starts hard or loses power	<ol style="list-style-type: none"> 1. The fuel tank contains stale fuel. 2. The air filter element is dirty and is restricting the air flow. 3. The underside of the lawn mower deck contains clippings and debris. 4. The spark plug is pitted, fouled, or the gap is incorrect. 	<ol style="list-style-type: none"> 1. Drain and fill the fuel tank with a fresh gasoline-and-oil mixture. 2. Replace the air filter element. 3. Clean the underside of the lawn mower deck. 4. Check the spark plug and adjust the gap if necessary. Replace the spark plug if it is pitted, fouled, or cracked.
Engine runs rough	<ol style="list-style-type: none"> 1. The wire is not connected to the spark plug. 2. The spark plug is pitted, fouled, or the gap is incorrect. 3. The throttle lever is not in the <i>Fast</i> position. 4. The air filter element is dirty and is restricting the air flow. 	<ol style="list-style-type: none"> 1. Connect the wire to the spark plug. 2. Check the spark plug and adjust the gap if necessary. Replace the spark plug if it is pitted, fouled, or cracked. 3. Move the throttle lever to the <i>Fast</i> position. 4. Replace the air filter element.

Problem	Possible Causes	Corrective Action
Lawn mower or engine vibrates excessively	<ol style="list-style-type: none"> 1. The blade is bent or is out of balance. 2. The blade bolt is loose. 3. The underside of the lawn mower deck contains clippings and debris. 4. The engine mounting bolts are loose. 	<ol style="list-style-type: none"> 1. Balance the blade. If the blade is bent, replace it. 2. Tighten the blade bolt. 3. Clean the underside of the lawn mower deck. 4. Tighten the engine mounting bolts.
Uneven cutting pattern	<ol style="list-style-type: none"> 1. All four wheels are not at the same height. 2. The blade is dull. 3. You are mowing in the same pattern repeatedly. 4. The underside of the lawn mower deck contains clippings and debris. 	<ol style="list-style-type: none"> 1. Place all four wheels at the same height. 2. Sharpen and balance the blade. 3. Change the mowing pattern. 4. Clean the underside of the lawn mower deck.
Discharge chute plugs	<ol style="list-style-type: none"> 1. The throttle lever is not in the <i>Fast</i> position. 2. The cutting height is too low. 3. You are mowing too fast. 4. The grass is wet. 5. The underside of the lawn mower deck contains clippings and debris. 	<ol style="list-style-type: none"> 1. Move throttle lever to the <i>Fast</i> position. 2. Raise the cutting height. 3. Slow down. 4. Allow the grass to dry before mowing. 5. Clean the underside of the lawn mower deck.



Federal Emission Control Warranty Statement

A Two-Year Limited Warranty

Your Warranty Rights and Obligations

The U.S. Environmental Protection Agency (EPA), Toro, and Toro Warranty Company are pleased to explain the emission control system warranty on your 1997 and later utility/lawn/garden equipment engine. 1997 and later model year utility/lawn/garden equipment engines must be designed, built and equipped, at the time of sale, to meet the U.S. EPA regulations for small non-road engines. The equipment engine must be free from defects in materials and workmanship, which cause it to fail to conform with U.S. EPA standards, for the first two years of engine use from the date of sale to the ultimate purchaser. Toro and Toro Warranty Company warrant the emission control system on your utility/lawn/garden equipment engine for the period of time listed above, provided there has been no abuse, neglect, or improper maintenance of your utility/lawn/garden equipment engine.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, and catalytic converter. Also included may be hoses, belts, connectors, and other emission related assemblies.

Where a warrantable condition exists, Toro and Toro Warranty Company promise to repair your engine at no cost to you, including diagnosis, parts, and labor.

Manufacturer's Warranty Coverage

Toro and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly warrant the 1997 and later utility/lawn/garden equipment engines for two years from the date of delivery. If any emission-related part on your engine is defective in materials or workmanship, we will repair or replace the part, free of charge.

Owner Responsibilities

As the engine owner, you are responsible for the performance of the required maintenance listed in your operator's manual. We recommend that you retain all receipts covering maintenance on your equipment, but we cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

Any replacement part or service that is equivalent in performance and durability may be used in non-warranty maintenance or repairs, and shall not reduce our warranty obligation.

As the engine owner, you should be aware that we may deny you warranty coverage if your engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications or parts.

You are responsible for presenting your equipment engine to an Authorized Service Dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed thirty (30) days.

If you have any questions regarding your warranty rights and responsibilities, or if you need a referral to a Toro Service Dealer, please feel free to contact us at:

Customer Service Department
Toro Warranty Company
8111 Lyndale Avenue South
Bloomington, MN 55420-1196
952-888-8801 or 800-421-9684

Warranted Parts

The warranty period begins on the date the engine or equipment is delivered to a retail purchaser. Toro and Toro Warranty Company jointly warrant to the initial owner and each subsequent purchaser that the engine is free from defects in materials and workmanship,

which cause the engine to fail to conform with applicable regulations, for a period of two years.

Failures caused by abuse, neglect, or improper maintenance are not covered. The use of add-on or modified parts can be grounds for disallowing a warranty claim. We are not liable to cover failures of warranted parts caused by the use of add-on or modified parts. We are liable for damages to other engine components caused by the failure of a warranted part still under warranty. The owner is responsible for the performance of the required maintenance, as defined in the operator's manual.

Any warranted part which is not scheduled for replacement as required maintenance, or which is scheduled only for regular inspection to the effect of "repair or replace as necessary" shall be warranted for the warranty period. Any warranted part which is scheduled for replacement as required maintenance shall be warranted for the period of time up to the first scheduled replacement point for that part. Coverage under this warranty extends only to the parts listed below (the emissions system parts) to the extent that these parts were present on the engine when purchased.

- Fuel Metering System
 - Cold start enrichment system including the choke mechanism or priming system
 - Fuel pump
 - Air fuel ratio feedback system
 - Carburetor and internal parts
 - Fuel injection system
- Air Induction System
 - Air cleaner
 - Reed intake system
 - Intake manifold
 - Controlled hot air intake system
- Ignition System
 - Spark plug(s)
 - Ignition coils and electronics
 - Advance/retard mechanisms
- Catalytic Converter/Thermal Reactor System
 - Catalytic converter
 - Thermal reactor
 - Exhaust manifold
- Air Injection System
 - Air injection system or pulse valve
 - Valves affecting distribution of air
- Exhaust Gas Recirculation (EGR) System
 - EGR valve body and piping system connecting to the intake side of the engine
 - EGR control system
- Particulate Controls
 - Traps, filters, precipitators, and any other device used to capture particulate emissions
- Miscellaneous Items Used in the Above Systems
 - Vacuum, temperature, and time-sensitive valves and switches
 - Electronic controls
 - Hoses, connectors, and assemblies of same

How to Get Warranty Service

Should you feel your Toro Product requires warranty service, contact the dealer who sold you the product or any Authorized Service Dealer or Master Service Dealer. The Yellow Pages of your telephone directory is a good reference source. The dealer will either arrange service at his/her dealership or recommend another Authorized Service Dealer who may be more convenient. You may need proof of purchase (copy of registration card, sales receipt, etc.) for warranty validation. The owner shall not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work is performed at a warranty station.

General Conditions

Neither The Toro Company nor Toro Warranty Company is liable for indirect, incidental or consequential damages in connection with the use of the Toro Products covered by this warranty, except for damages to other engine components caused by the failure of a warranted part still under warranty. Some states do not allow exclusions of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

All implied warranties of merchantability (that the product is fit for ordinary use) and fitness for use (that the product is fit for a particular purpose) are limited to the duration of the express warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



Gas, Cordless,
Electric, and 21"
Commercial Duty
Walk Mowers

The Toro Total Coverage Guarantee

A Full Warranty (Limited Warranty for Commercial Use)

Conditions and Products Covered

The Toro Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly promise to repair any Toro Product used for normal residential purposes* if defective in materials or workmanship or if it stops functioning due to the failure of a component. The following time periods apply from the date of purchase:

<u>Products</u>	<u>Warranty Period</u>
• Super Recycler® Walk Mowers	5 year full warranty
• All Other Mowers	2 year full warranty
• All Batteries	1 year full warranty

This warranty includes the cost of parts and labor, but you must pay transportation costs.

This warranty applies to all gas, cordless, and electric consumer walk power mowers.

* Normal residential purposes means use of the product on the same lot as your home. Use at more than one location is considered commercial use, and the commercial use warranty would apply.

Limited Warranty for Commercial Use

Toro Walk Power Mowers used for commercial, institutional, or rental use are warranted against defects in materials or workmanship. Components failing due to normal wear are not covered by this warranty. The following time periods apply from the date of purchase:

<u>Products</u>	<u>Warranty Period</u>	
	<u>Engine</u>	<u>Entire Unit</u>
• 21" Commercial Duty Walk Mowers	2 year limited	1 year limited
• All Other Mowers	45 day limited	45 day limited

Instructions for Obtaining Warranty Service

Should you feel your Toro Product contains a defect in materials or workmanship, contact the dealer who sold you the product or any Authorized Service Dealer or Master Service Dealer. The Yellow Pages of your telephone directory is a good reference source. The dealer will either arrange service at his/her dealership or recommend another Authorized Service Dealer who may be more convenient. You may need proof of purchase (copy of registration card, sales receipt, etc.) for warranty validation.

If for any reason you are dissatisfied with the Service Dealer's analysis of the defect in materials or workmanship or if you need a referral to a Toro Service Dealer, please feel free to contact us at:

Customer Service Department
Toro Warranty Company
8111 Lyndale Avenue South
Bloomington, MN 55420-1196
952-888-8801 or 800-421-9684

Owner Responsibilities

You must maintain your Toro Product by following the maintenance procedures described in the operator's manual. Such routine maintenance, whether performed by a dealer or by you, is at your expense.

Items and Conditions Not Covered

There is no other express warranty except for special emission system coverage on some products and the Toro Starting Guarantee on GTS Engine. This express warranty does not cover:

- Cost of regular maintenance service or parts, such as filters, fuel, lubricants, oil changes, spark plugs, blade sharpening, worn blade, cable/linkage adjustments, or brake and clutch adjustments.
- Any product or part which has been altered or misused or required replacement or repair due to accidents or lack of proper maintenance.
- Repairs necessary due to improper fuel, contaminants in the fuel system, or failure to properly prepare the fuel system prior to any period of non-use over three months.
- Repairs necessary due to improper battery care, electrical supply irregularities, or failure to properly prepare the mower prior to any period of non-use.
- Pickup and delivery charges.

All repairs covered by this warranty must be performed by an Authorized Toro Service Dealer using Toro approved replacement parts.

General Conditions

Repair by an Authorized Toro Service Dealer is your sole remedy under this warranty.

Neither The Toro Company nor Toro Warranty Company is liable for indirect, incidental or consequential damages in connection with the use of the Toro Products covered by this warranty, including any cost or expense of providing substitute equipment or service during reasonable periods of malfunction or non-use pending completion of repairs under this warranty. Some states do not allow exclusions of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Countries Other than the United States or Canada

Customers who have purchased Toro products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province, or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the Toro importer. If all other remedies fail, you may contact us at Toro Warranty Company.