

LAWN-BOY®

Silver Series

Walk-behind Power Mower

10260, 10262, 10330, and 10335 – 9900001 and Up

Operator's Manual

Para obtener una versión gratis de este manual en español, escriba a la dirección indicada más abajo. Asegúrese de indicar el modelo y el número de serie de su producto.

Pour obtenir gratuitement une version en français de ce manuel, écrivez à l'adresse ci-dessous. N'oubliez pas d'indiquer les numéros de modèle et de série de votre produit.

Lawn-Boy Inc., Attn: Parts Dept., 8111 Lyndale Ave S, Bloomington, MN 55420-1196.

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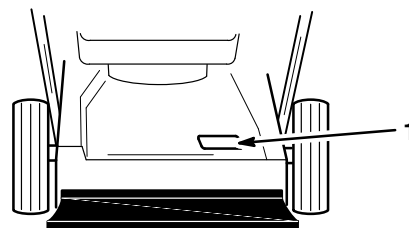
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Introduction

Thank you for purchasing a Lawn-Boy product.

All of us at Lawn-Boy want you to be completely satisfied with your new product, so feel free to contact your local Authorized Service Dealer for help with service, genuine Lawn-Boy parts, or other information you may require.

Whenever you contact your Authorized Service Dealer or the factory, always know the model and serial numbers of your product. These numbers will help the Service Dealer or Service Representative provide exact information about your specific product. You will find the model and serial number decal located in a unique place on the product (Fig. 1).



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Figure 1

1. Model and serial number decal

For your convenience, write the product model and serial numbers in the space below.

| |
|--|
| <p>Model No. _____</p> <p>Serial No. _____</p> |
|--|

Read this manual carefully to learn how to operate and maintain your product correctly. Reading this manual will help you and others avoid personal injury and damage to the product. Although Lawn-Boy designs, produces and markets safe, state-of-the-art products, you are responsible for using the product properly and safely. You are also responsible for training persons who you allow to use the product about safe operation.

The Lawn-Boy warning system in this manual identifies potential hazards and has special safety messages that help you and others avoid personal injury, 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 the recommended precautions are not followed.

⚠
WARNING
⚠

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

WARNING signals a hazard that may cause serious injury or death if the recommended precautions are not followed.

CAUTION signals a hazard that may cause minor or moderate injury if the recommended precautions are not followed.

Two other words are also used to highlight information. “Important” calls attention to special mechanical information and “Note” emphasizes general information worthy of special attention.

Safety

This machine meets or exceeds CPSC blade safety requirements for walk-behind rotary mowers and the B71.1 specifications of the American National Standards Institute, in effect at time of production. However, improper use or maintenance by the operator or owner 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 the instruction may result in personal injury.

Safe Operating Practices

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

This mower is designed for cutting and mulching grass or, when equipped with a grass bag, for catching cut grass. Any use for purposes other than these could prove dangerous to user or bystanders.

Note: This engine is NOT equipped with a spark arrester muffler. Use or operation of this mower in your state on any forest-covered, brush-covered or unimproved grass-covered land, without an approved spark arrester muffler, may be a violation of the law.

WARNING

POTENTIAL HAZARD

- **Engine exhaust contains carbon monoxide, which is an odorless, deadly poison.**

WHAT CAN HAPPEN

- **Carbon monoxide can kill you.**

HOW TO AVOID THE HAZARD

- **Do not run engine indoors or in an enclosed area.**

General Operation

- Read this manual carefully before operating the mower. Become familiar with the controls and proper use of the mower. Never allow children to operate the mower or adults to operate it without proper instructions.
- Keep everyone, especially children and pets, away from the area of operation. Thoroughly inspect the area where the mower will be used and remove sticks, stones, wire, and debris.
- Wear long pants and substantial shoes. Do not operate the mower while wearing open-toed shoes, loose clothing, jewelry or when barefoot.
- Check the fuel level before starting the engine. Do not fill the fuel tank indoors, when the engine is running, or until the engine cools for several minutes after running. Wipe up spilled gasoline before starting the engine.
- Keep all guards, shields (including the rear trailing shield), grass catchers, and safety devices in place. Repair or replace damaged parts, including decals.
- The engine, blade and self-propel drive are designed to stop when control bails are released. Ensure that the control and brake function properly before each use of the mower.

While Operating

- Do not run the engine indoors.
- Always maintain secure footing. Keep a firm grip on the handle and walk; never run. Never operate the mower in wet grass. Mow only in daylight or in good artificial light.
- Mow across the face of slopes; never up and down. Use extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
- Always wear safety glasses or eye shields during operation to protect eyes from foreign objects that may be thrown from the machine. Keep face, hands, and feet away from the mower housing and cutter blade when the engine is running. Stay behind the handle until the engine stops.
- Since the blade rotates for a few seconds after the blade control bail is released, stay behind the handle until all movement stops.
- After striking a foreign object or if mower vibrates abnormally, stop the engine and remove the wire from the spark plug. Check the mower for damage and make all repairs before using it again.
- Stop the engine before adjusting the height-of-cut.
- Stop the blade/engine when crossing a gravel driveway, road, or sidewalk.

- Stop the engine before leaving the operator's position—behind the handle. Disconnect the wire from the spark plug if the mower will be unattended.
- Do not touch the engine while it is running or shortly after it is stopped because it will be hot enough to cause a burn.

Maintenance

- Perform only those maintenance instructions described in this manual. If major repairs are ever needed or if assistance is desired, contact your local Authorized Lawn-Boy Service Dealer.
- Before the mower is cleaned, inspected, serviced, or adjusted, stop the engine and disconnect the wire from the spark plug. Keep the wire away from the plug to prevent accidental starting.

- To ensure that the mower is in safe operating condition, frequently check and keep all nuts, bolts, and screws tight. Ensure that the blade nut/screw is tightened to 63 N·m (47 ft.-lbs.).
- To reduce fire hazard, keep the engine free of excessive grease, grass, leaves, and accumulations of dirt.
- Allow the engine to cool before storing the mower in any enclosure. Do not store the mower near any open flame or where gasoline fumes may be ignited by a spark.
- Do not overspeed the engine by changing governor settings.
- At the time of manufacture, the mower conformed to the safety standards in effect for rotary mowers. To ensure best performance and continued safety certification of the mower, use genuine Lawn-Boy replacement parts and accessories.

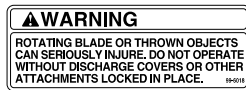
Safety and Instruction Decals



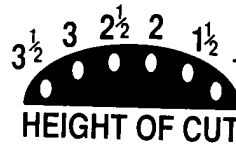
Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.



ON MOWER HOUSING
(Part No. 43-8480)



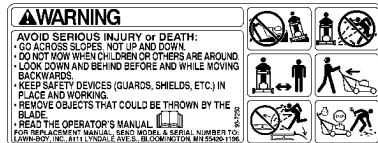
ON MOWER HOUSING
(Part No. 99-6018)



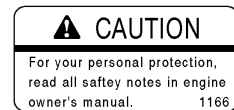
BY FRONT WHEELS
(Part No. 92-2914 Right)
(Part No. 92-2915 Left)



ON MUFFLER GUARD
(Part No. 65-2690)



ON MOWER HOUSING
(Part No. 93-7250)



ON MOWER HOUSING
(Part No. 92-4851)

Assembly

Unfolding the Handle

1. Loosen the handle knobs and lift the top handle half in an arc until the handle halves are in line and nest together (Fig. 2).

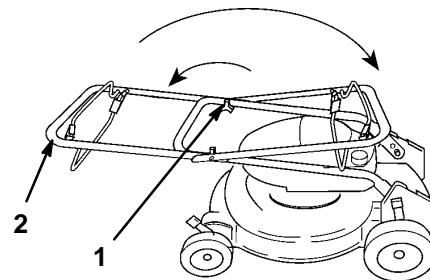


Figure 2

1. Knob
2. Top handle half

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IMPORTANT: Use care to prevent pinching or stretching the cables.

2. Tighten the knobs securely.
3. Rotate the handle toward the rear of the mower until it snaps into the stops in the handle brackets.

Changing the Handle Height

The handle has two height positions—high and low (Fig. 3). Select a handle height position that is most comfortable for you.

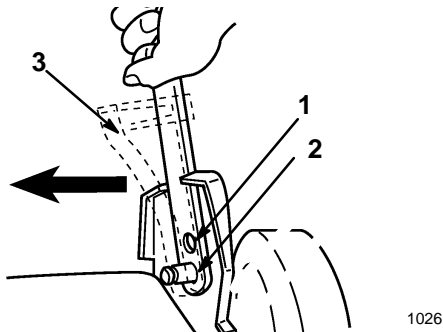


Figure 3

1. Low setting
2. High setting
3. Cable anchor – self-propelled model

1. Squeeze the bottom handle section (both sides) inward off of the pins.
2. Position the handle and cable anchor (self-propelled only) over the pins at the desired height.

Note: On self-propelled models, the belt cover may need to be loosened and moved slightly.

3. On self-propelled models, adjust the cable. Refer to Maintenance.

Before Starting

Oil

Your Lawn-Boy mower is shipped **WITHOUT** oil in the crankcase. However, a 20 oz. bottle of oil is shipped with your mower. Fill the engine crankcase with a maximum of 21 oz. (0.62 liters) of SAE 30 oil. Use a high quality detergent oil classified American Petroleum Institute “API Service SF or SG.”

1. Check the oil level before each use (Fig. 4).

2. Place the mower on a level surface and clean the area around the dipstick.
3. Remove the dipstick and check the oil level (Fig. 4).

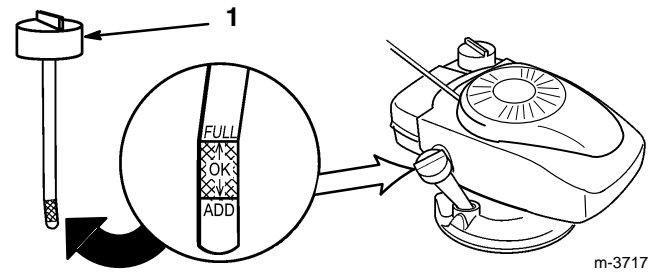


Figure 4

1. Dipstick

4. **Slowly pour** oil into the crankcase fill tube. Fill to the FULL line on the dipstick.

IMPORTANT: Do not over fill the crankcase or else engine damage may result.

5. Replace the dipstick.

Gasoline



DANGER



POTENTIAL HAZARD

- In certain conditions, gasoline is extremely flammable and highly explosive.

WHAT CAN HAPPEN

- A fire or explosion from gasoline can burn you and others and can cause property damage.

HOW TO AVOID THE HAZARD

- Use a funnel and fill the fuel tank outdoors, in an open area, 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” (6 mm to 13 mm) below the bottom of the filler neck. This empty space in the tank allows gasoline to expand.
- Never smoke when handling gasoline, and stay away from an open flame or where gasoline fumes may be ignited by a spark.
- Store gasoline in an approved container and keep it out of the reach of children. Never buy more than a 30-day supply of gasoline.



DANGER



POTENTIAL HAZARD

- When fueling, under certain circumstances, a static charge can develop, igniting the gasoline.

WHAT CAN HAPPEN

- A fire or explosion from gasoline can burn you and others and cause property damage.

HOW TO AVOID THE HAZARD

- Always place gasoline containers on the ground away from your vehicle before filling.
- Do not fill gasoline 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, rather than from a gasoline dispenser nozzle.
- If a gasoline dispenser nozzle must be used, keep the nozzle in contact with the rim of the fuel tank or container opening at all times until fueling is complete.

Note: Use clean, fresh, lead-free gasoline with an octane rating of 85 or higher. Purchase only the quantity of gasoline that can be used in 30 days to ensure freshness. Use of lead-free gasoline results in fewer combustion chamber deposits and longer spark plug life.

IMPORTANT: Never use methanol, gasoline containing methanol, gasohol containing more than 10% ethanol, premium gasoline, or white gas because engine fuel system could be damaged.

1. Clean around the fuel cap and remove the cap from the tank (Fig. 5).

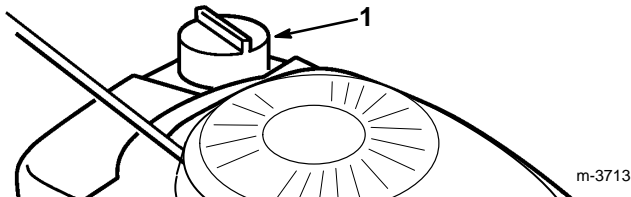


Figure 5

1. Fuel tank cap

2. Fill the fuel tank with gasoline to within 1/4 inch (6.5 mm) of top of the tank, not into the filler neck.

IMPORTANT: Do not over-fill the tank. The gasoline must have room to expand.

3. Replace the fuel cap securely and wipe up any spilled fuel.

Lawn-Boy recommends that Lawn-Boy 2+4® Fuel Conditioner (Fig. 6) be used regularly during operation and storage. Lawn-Boy 2+4® Fuel Conditioner cleans the engine during operation and prevents gum-like varnish deposits from forming in the engine during storage.



Figure 6

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IMPORTANT: Do not use fuel additives other than those manufactured for fuel stabilization during storage, such as Lawn-Boy 2+4® Fuel Conditioner. Lawn-Boy does not recommend stabilizers with an alcohol base such as ethanol or methanol. Stabilizers should not be used to enhance the power or performance of the machine.

4. Connect the spark plug wire, if disconnected (Fig. 7).

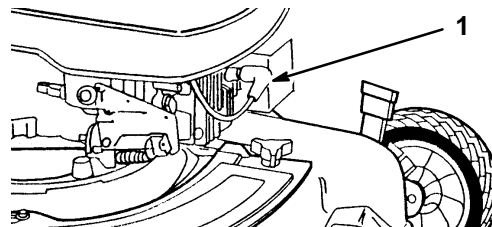


Figure 7

m-3711

1. Spark plug wire

Operation

Starting the Engine

1. Push the primer three (3) times, waiting 2 seconds between each push (Fig. 8). In cold weather (13°C/55°F or below), push the primer five times.

IMPORTANT: Do not use the primer to restart a warm engine or the engine may flood.

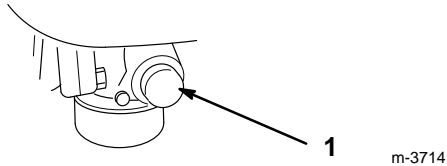


Figure 8

1. Primer

2. Hold the blade control bail against the upper handle (Fig. 9).
3. Pull the starter handle lightly until resistance is felt, then pull it sharply (Fig. 9). Allow the rope return to the handle slowly.

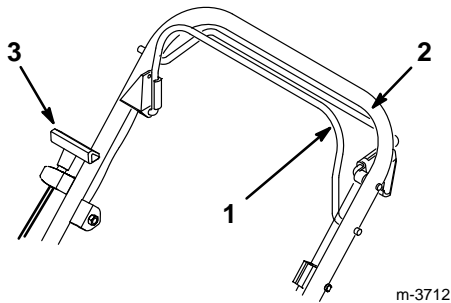


Figure 9

1. Blade control bail
2. Upper handle
3. Starter handle

Note: If the engine fails to start after three (3) pulls, repeat steps 1–3.

Stopping the Engine

1. Release the blade control bail (Fig. 10). Both the engine and blade will stop. See your dealer immediately if they do not.

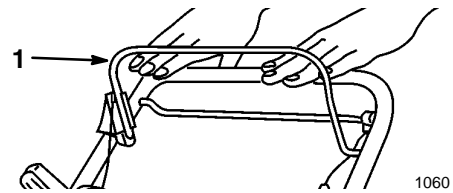


Figure 10

1. Blade control bail

Self-propel Drive

Self-propelled Models Only

1. To operate the self-propel drive, squeeze the self-propel bail against the handle and hold it (Fig. 11).

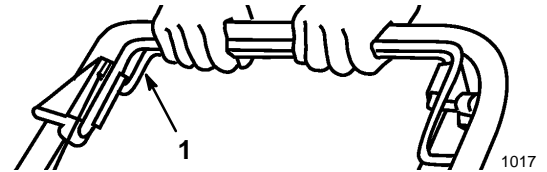


Figure 11

1. Self-propel bail

Note: Maximum self-propel ground speed is fixed. To reduce ground speed, increase the space between the bail and the handle.

2. To disengage the self-propel drive, release the self-propel bail (Fig. 12), then push the mower forward manually at least 1 in.

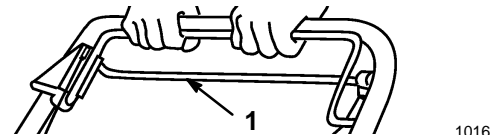


Figure 12

1. Self-propel bail

Adjusting the Cutting Height

Each wheel is adjusted individually with a wheel height adjustment lever. Cutting heights are 1", 1-1/2", 2", 2-1/2", 3" and 3-1/2 inches (25, 38, 51, 64, 74 and 86 mm).

! DANGER !

POTENTIAL HAZARD

- Adjusting the height-of-cut levers could bring your hands into contact with a moving blade.

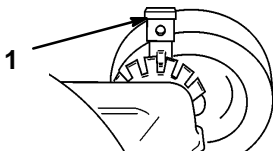
WHAT CAN HAPPEN

- Contact with a rotating blade can cause serious injury.

HOW TO AVOID THE HAZARD

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

1. To change the cutting height, pull the adjusting lever toward the wheel and move it to the desired position (Fig. 13).



1021

Figure 13

1. Wheel height adjustment lever

2. Release the height adjust lever and seat it securely in the desired notch.

Note: Set all four (4) wheels to the same height.

Operating Tips

General Tips

- Review the safety instructions and read this manual carefully before operating the mower.
- Clear the area of sticks, stones, wire, branches, and other debris which could be picked up or hit by the blade and become thrown objects.
- 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 an object is struck, or the mower starts to vibrate, immediately stop the engine, disconnect the spark plug wire, and examine the mower for damage.
- Maintain a **sharp blade** throughout the cutting season. Periodically file down nicks on blade.
- Replace the blade when necessary with an original Lawn-Boy replacement blade.

- Only mow dry grass or leaves. Wet grass and leaves tend to clump on the yard and may cause the mower to plug or the engine to stall. They may also be slippery to walk on and could cause you to slip and fall.

! WARNING !

POTENTIAL HAZARD

- Wet grass or leaves can cause you to slip and contact the blade.

WHAT CAN HAPPEN

- Blade contact can seriously injure you.

HOW TO AVOID THE HAZARD

- Mow only in dry conditions.

- Clean clippings or leaves from the underside of the mower deck after each mowing.
- Keep the engine in good running condition.
- Clean the air filter frequently. Mulching stirs up more clippings and dust which clogs the air filter and reduces engine performance.

Cutting Grass

- In the heat of Summer, cut the grass at the 2, 2.5, or 3 inch height-of-cut settings. Only about 1/3 of the grass blade should be cut off. Cutting below the 2 inch setting is not recommended unless the grass is sparse or it is late Autumn when grass growth begins to slow down.
- When cutting grass over six inches tall, mow using the highest height-of-cut setting and a slower walking speed; then mow again at a lower setting for best lawn appearance. If the grass is too long and leaves clumps on top of the lawn, the mower may plug and cause the engine to stall.
- Alternate the mowing direction. This helps disperse 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 height-of-cut setting on your mower.
- Cut grass more frequently.
- Overlap cutting swaths instead of cutting a full swath with each pass.
- Set the height-of-cut on the front wheels one notch lower than the rear wheels. (example: set the front wheels at the 2 inch setting and the rear wheels at the 2.5 inch setting)

Cutting Leaves

- When cutting is complete, ensure that 50% of the lawn shows through the cut leaf cover. This may require one or more passes over the leaves.
- Position all wheels at the same height-of-cut setting.
- Walk at a slower mowing speed if the leaves are not being cut up finely enough to be hidden in the grass.
- If you cut up a lot of oak leaves, add lime to your grass in the spring. Lime reduces the acidity of the oak leaves.

Maintenance

Continued safe and dependable operation requires routine maintenance.

Recommended Maintenance Schedule

| Service Item | Service Operation | 5 Hours | 25 Hours | 50 Hours | 100 Hours |
|----------------------|--|---------|----------|----------|-----------|
| Fasteners | Check blade and engine mounting fasteners frequently. Keep all nuts, bolts, and screws tight to ensure safe operation. | X | | | |
| Air Filter | Replace (model 10335) or clean (models 10260, 10262, & 10330) every 25 hours or at the start of each mowing season. Service more frequently if operating conditions are dusty. | | X | | |
| Engine Oil | Change oil after first 2 hours of operation. Thereafter, change every 25 hours. | | X | | |
| Housing | Clean built-up grass clippings and dirt. | | X | | |
| Self-propelled Drive | Clean grass clippings and debris under belt cover and drive belt. | | X | | |
| Blade | Sharpen or replace; maintain more frequently if edge is dulled quickly in rough or sandy conditions. | | | X | |
| Blade Brake | Check stopping time every 50 hours or at start of each mowing season. Blade must stop within 3 seconds of releasing bail; if not see your Authorized Lawn-Boy Service Dealer for repair. | | | X | |
| Lubrication | Grease rear height adjustor brackets (self-propelled models). | | | X | |
| Fuel System | Check for leakage and/or deterioration of fuel hose. Replace if necessary. | | | X | |
| Spark Plug | Clean, inspect and gap. Replace if necessary. | | | | X |
| Cooling System | Clean grass clippings, debris or dirt that clog engine air cooling fins and starter. Clean more frequently under dirty or high chaff conditions. | | | | X |



CAUTION



POTENTIAL HAZARD

- If you leave the wire on the spark plug, someone could start the engine.

WHAT CAN HAPPEN

- Accidental starting of engine could seriously injure you or other bystanders.

HOW TO AVOID THE HAZARD

- Pull the wire off of the spark plug before you do any maintenance. Also push the wire aside so that it does not accidentally contact the spark plug.

Changing the Air Filter

Model 10335

Replace the air filter once every season or every 25 hours; replace it more frequently under dusty conditions.

IMPORTANT: Do not attempt to clean or oil the air filter element. Do not operate the engine without the air filter element; extreme engine wear or damage will occur.

1. To replace the air filter, turn the cover left (counterclockwise) and pull the cover and filter off of the flange (Fig. 14).
2. Remove and discard the used filter element.
3. Install a new air filter into the cover.
4. Position the filter and cover against the flange, positioning the tab on the cover into slot in the flange (Fig. 14).

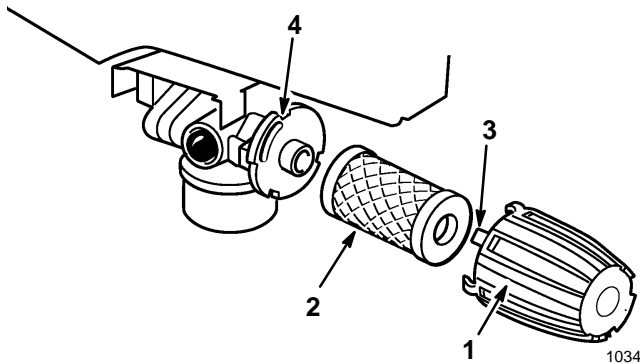


Figure 14

- | | |
|-----------|---------|
| 1. Cover | 3. Tab |
| 2. Filter | 4. Slot |

5. Push the cover firmly against the flange and rotate it right (clockwise) to lock it in place.

Cleaning the Air Filter

Models 10260, 10262, and 10330

Clean the pre-cleaner and air filter once every season or every 25 hours; clean it more frequently under dusty conditions.

IMPORTANT: Do not operate the engine without the pre-cleaner and air filter element; extreme engine wear or damage will occur.

1. To remove the pre-cleaner and air filter, unsnap the cover latch and remove the cover, pre-cleaner, and air filter (Fig. 15).

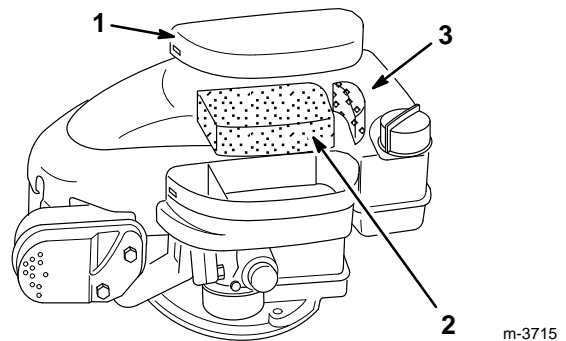


Figure 15

- | | |
|-----------|----------------|
| 1. Cover | 3. Pre-cleaner |
| 2. Filter | |

2. Wash the pre-cleaner and air filter in laundry detergent or kerosene (Fig. 16).

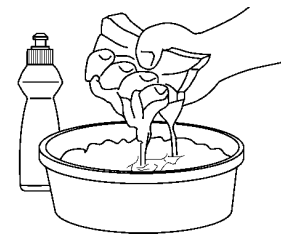


Figure 16

- Squeeze the filters to remove excess liquid and blot them dry with a paper towel or rag.
- Apply one tablespoon of SAE 30W oil to the pre-cleaner and air filter (Fig. 17).

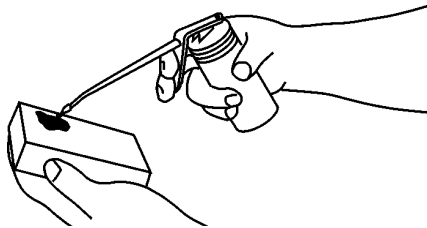


Figure 17

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- Squeeze the pre-cleaner and filter until the oil is distributed evenly. Blot them lightly with a paper towel to remove excess oil.
- Replace the filters with cleanest side facing carburetor.

IMPORTANT: Ensure that the filters are fully seated in the air box and do not pucker, allowing direct passage of air and dirt.

Changing Engine Oil

Change engine oil after first 2 hours of operation and every 25 hours of operation thereafter. Change oil while the engine is warm.

! **WARNING** !

POTENTIAL HAZARD

- Tipping the mower may cause fuel leakage from the carburetor or fuel tank.

WHAT CAN HAPPEN

- Gasoline is extremely flammable, highly explosive, and, under certain conditions, can cause personal injury or property damage.

HOW TO AVOID THE HAZARD

- Avoid fuel spills by running engine dry or removing the gas with hand pump (never siphon).

- Drain the oil from the oil fill tube at the dipstick (Fig. 18). Drain the oil into an appropriate container. Recycle the used oil per local codes.

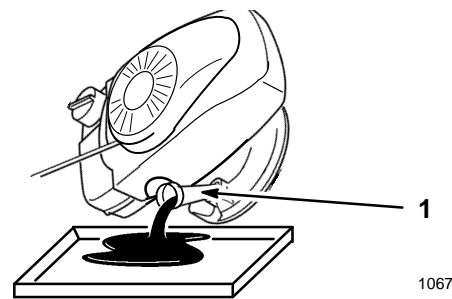


Figure 18

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- Oil fill tube
- Fill the crankcase to the FULL line on the dipstick with fresh oil. See section on Oil in the Before Starting chapter for specifications.
- Check the oil level and replace the dipstick.
- Wipe up any spilled oil.

Maintaining the Spark Plug

A spark plug that is dirty, pitted, carbon-covered, or has worn electrodes may cause hard starting and poor operation.

Replace the spark plug once a season or clean it every 100 hours, whichever occurs first. Use a Champion RJ19LM spark plug or equivalent.

- Pull the wire off of the spark plug (Fig. 7).
 - Remove the spark plug and clean it with a wire brush, removing carbon build-up.
- IMPORTANT: Do not sand-blast the spark plug.**
- Check the condition of the plug for cracks and damaged or worn electrodes. Replace it if necessary.
 - Set the spark plug gap at .030 inch (.76 mm) (Fig. 19).

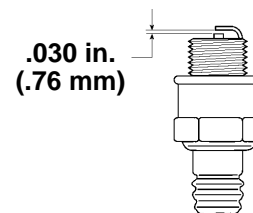


Figure 19

986

- Install the spark plug by hand, then torque it to 180 in.-lbs. (15 ft.-lbs.) (20 N-m) (Fig. 7).
- Connect the spark plug wire.

Cleaning the Mower Housing

A clean mower housing provides the best cutting performance. Check for grass build-up and clean after each use.

Washing Method

1. Position the mower on a flat, concrete or asphalt surface near a garden hose.
2. Start the engine.
3. Hold the running garden hose at handle level and direct the water to flow on the ground just in front of the right rear tire (Fig. 20).

The blade will draw in water and wash out clippings. Let the water run until you no longer see clippings being washed out from under housing.

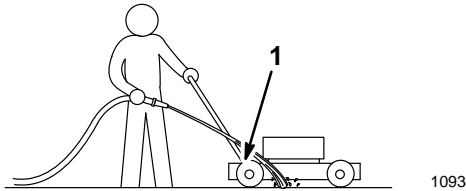


Figure 20

1. Rear right wheel

4. Stop the engine.
5. Turn off the garden hose.
6. Start the mower and let it run for a few minutes to dry out the moisture on the mower and its components.
7. While the engine is running, engage and disengage the traction drive several times to dry it out.

Scraping Method

If washing does not remove all debris from under the mower, tip it and scrape it clean.

1. Run the engine dry or remove gas with a hand pump when the engine is cool.

! WARNING !

POTENTIAL HAZARD

- Gasoline is extremely flammable, highly explosive and under certain conditions can cause personal injury or property damage.

WHAT CAN HAPPEN

- Tipping the mower may cause fuel leakage from carburetor or fuel tank.

HOW TO AVOID THE HAZARD

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

2. Disconnect the spark plug wire (Fig. 7).
3. Tip the mower onto side opposite the air filter (Fig. 21). The air filter should be pointing up when mower is tipped on its side.

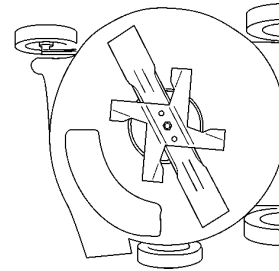


Figure 21

Note: When the mower is tipped on its side, rotate the blade as little as possible to avoid starting problems.

! WARNING !

POTENTIAL HAZARD

- Gasoline is extremely flammable, highly explosive and under certain conditions can cause personal injury or property damage.

WHAT CAN HAPPEN

- Tipping mower may cause fuel leakage from the carburetor or fuel tank.

HOW TO AVOID THE HAZARD

- Avoid fuel spills by running the engine dry or removing gas with hand pump (never siphon).

4. Scrape built-up grass clippings and dirt from the mower housing with a hardwood scraper.
5. Connect the spark plug wire.

Maintaining the Blade

A straight, sharp blade provides maximum cutting performance. Regularly inspect and sharpen the blade.

! **WARNING** !

POTENTIAL HAZARD

- The blade is sharp.

WHAT CAN HAPPEN

- Contact with the sharp blade can cause serious personal injury.

HOW TO AVOID THE HAZARD

- Wear gloves or wrap the sharp edges of the blade with a rag.

1. Disconnect the spark plug wire (Fig. 7).
2. Tip the mower onto side opposite the air filter (Fig. 21). The air filter should be pointing up when mower is tipped on its side.

Checking for Blade Straightness

Measure the distance from the bottom edge of the mower housing to the blade tip (Fig. 22). Rotate the blade 180° and measure to the other blade tip.

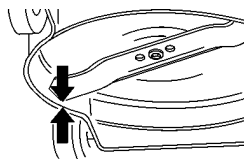


Figure 22

1005

Note: If the measurements are not within 1/8 inch (3.2 mm), the blade should be replaced. If, after blade replacement, the measurements are still not within 1/8 inch (3.2 mm), the crankshaft should be checked for straightness by your Authorized Lawn-Boy Service Dealer.

Inspecting the Blade

1. Examine the blade for sharpness and wear, especially where the flat and curved parts meet (Fig. 23A).
2. Complete one of the following:
 - A. If a slot or wear is noticed, (Fig. 23B & C), replace the blade. Refer to the Removing and Installing the Blade sections.
 - B. If the blade is nicked or dull, sharpen it. Refer to the Removing, Sharpening, Balancing, and Installing the Blade sections.

- C. If there are no signs of wear or dullness, return the mower to the upright position and replace the spark plug wire (Fig. 7).

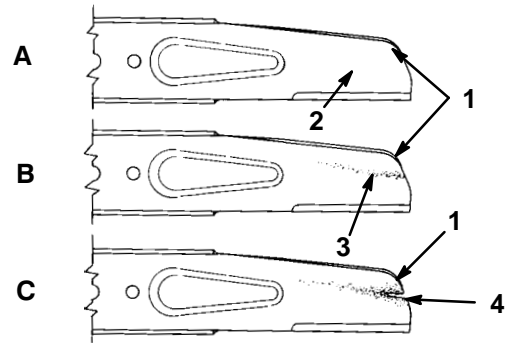


Figure 23

270

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

! **DANGER** !

POTENTIAL HAZARD

- A worn or damaged blade could break and a piece of the blade could be thrown into the operator's or bystander's area.

WHAT CAN HAPPEN

- A thrown piece of the blade could cause serious personal injury or death to the operator or bystanders.

HOW TO AVOID THE HAZARD

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

Removing the Blade

1. Remove the blade nut and mulching fan (Fig. 24).
2. Remove the blade from the blade driver (Fig. 24).

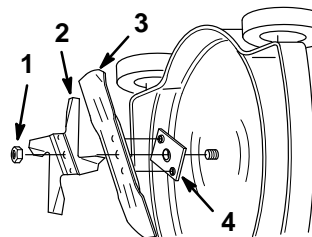


Figure 24

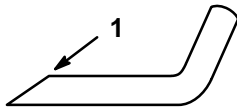
M-2909

- | | |
|-----------------|-----------------|
| 1. Blade nut | 3. Blade |
| 2. Mulching fan | 4. Blade driver |

3. Examine the mulch fan for worn or bent blades. Replace it if necessary.
4. Examine the blade driver for bent or sheared drive lugs. Replace it if necessary.

Sharpening the Blade

Using a file, sharpen top side of the blade and maintain the original cutting angle (Fig. 25).



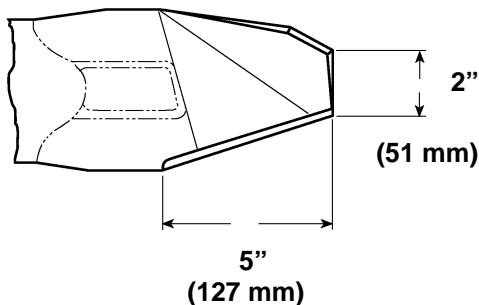
153

Figure 25

1. Sharpen at this angle only

Note: The blade will remain balanced if same amount of material is removed from both cutting edges.

Note: The blade should not be ground more than 5 inches (127 mm) from the outside ends and no less than 2 inches (51 mm) from the trailing edge (Fig. 26).



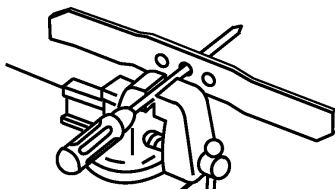
990

Figure 26

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. 27).

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



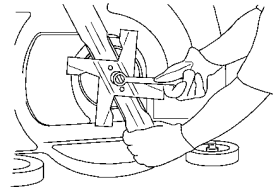
1007

Figure 27

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 the blade driver onto the crankshaft (if removed) (Fig. 24).
2. Install the blade over the lugs of the blade driver with the curved ends toward the mower housing (Fig. 24).
3. Install the mulch fan into the blade recess (Fig. 24).
4. Secure the blade with the blade nut (Fig. 28).



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Figure 28

5. Torque the blade nut to 47 ft-lbs. (63 N·m).

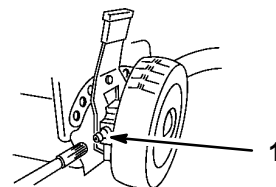
Note: The blade nut must be replaced after installing and removing it four times. The locking feature will decrease and the nut could loosen if not replaced.

6. Connect the spark plug wire (Fig. 7).

Lubricating the Self-propel Drive

Self-propelled Models Only

1. Wipe the grease fittings on the rear height-of-cut adjusters (Fig. 29) with a clean rag.



1018

Figure 29

1. Grease fittings
2. Install a grease gun onto each fitting in turn and gently apply one or two pumps of #2 multi-purpose lithium grease to each.

IMPORTANT: Excess grease may damage seals and prevent proper wheel clutch operation.

Adjusting the Self-propel Cable

Self-propelled Models Only

Whenever the handle height is changed, a new self-propelled cable is installed, or the traction drive belt slips, adjustment is required.

The self-propelled cable is adjusted on the handle by moving the cable jacket held by the cable support.

1. Loosen the nut on the cable support (Fig. 30).
2. Hold the self-propel bail 1 to 1 1/2 in. (25 to 38 mm) from the handle (Fig. 30).

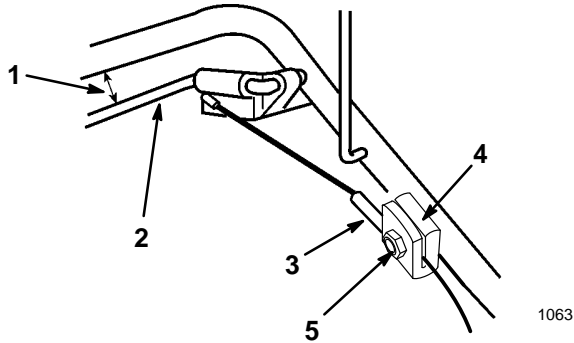


Figure 30

- | | |
|---------------------------------|------------------|
| 1. 1 to 1 1/2 in. (25 to 38 mm) | 4. Cable support |
| 2. Self-propelled bail | 5. Nut |
| 3. Cable jacket | |

3. Pull the cable jacket down (away from bail) to remove the slack in the cable between the bail and the cable support..
4. Tighten the nut on the cable support.
5. Release the bail and ensure that the cable is loose.

Troubleshooting

Your mower was designed and built for trouble-free operation. Check the following components and items carefully. If a problem continues, see your Authorized Lawn-Boy Service Dealer.

| PROBLEM | CORRECTIVE ACTION |
|-----------------------|--|
| Engine will not start | <ol style="list-style-type: none"> 1. Fill fuel tank with fresh gasoline 2. Press primer three (3) times 3. Spark plug <ul style="list-style-type: none"> • Connect spark plug wire • Clean spark plug, check spark plug gap, replace if damaged |

Note: The cable must be loose with the bail in released position or the mower may creep when the bail is disengaged.

Cleaning the Self-propel Drive

Self-propelled Models Only

Under certain conditions, clippings can collect under the belt drive cover and in the pulley groove. This could cause belt slippage, loss of self-propel drive, or failure to disengage the self-propel drive.

Clean grass clippings and debris from under the belt cover every 25 hours of operation.

1. Remove the screw and slide the belt cover to the rear, unhooking the tab on front of the cover from the deck opening.
2. Tilt the cover up to the side and remove debris (Fig. 31) from under the cover and pulley groove.

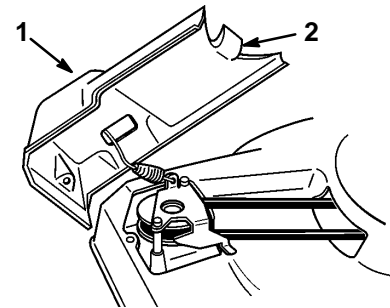


Figure 31

- | | |
|---------------|--------|
| 1. Belt cover | 2. Tab |
|---------------|--------|
3. Reverse the procedure to install belt cover.

| PROBLEM | CORRECTIVE ACTION |
|--------------------------------------|---|
| Engine starts hard or loses power | <ol style="list-style-type: none"> 1. Drain and refill fuel tank with fresh gasoline 2. Clean gas cap vent hole 3. Replace air filter element (Model 10335) Clean air filters (Models 10260, 10262, 10330) 4. Clean mower discharge chute 5. Clean underside of mower deck 6. Clean spark plug, check spark plug gap, replace if damaged 7. Check engine oil |
| Engine runs rough | <ol style="list-style-type: none"> 1. Connect spark plug wire 2. Clean spark plug, check spark plug gap, replace if damaged 3. Replace air filter element (Model 10335) Clean air filters (Models 10260, 10262, 10330) |
| Mower or engine vibrates excessively | <ol style="list-style-type: none"> 1. Balance blade 2. Tighten blade mounting nut 3. Clean mower discharge chute 4. Clean underside of mower deck 5. Tighten engine mounting bolts |
| Uneven cutting pattern | <ol style="list-style-type: none"> 1. Place all four (4) wheels at same height 2. Sharpen and balance blade 3. Change mowing pattern 4. Clean underside of mower deck |
| Discharge chute plugs | <ol style="list-style-type: none"> 1. Raise cutting height 2. Allow grass to dry before mowing 3. Clean underside of mower deck |
| Mower will not self-propel | <ol style="list-style-type: none"> 1. Adjust self-propelled cable 2. Clean debris under belt cover |

Accessories

Accessories may have been shipped with your mower or are available from your Authorized Lawn-Boy Dealer. For proper installation, follow these instructions.

Installing a Rear Grass Catcher

1. Stop the engine and disconnect the spark plug wire (Fig. 7).
2. Remove the wing screw that fastens the cover plate to the housing (Fig. 32).

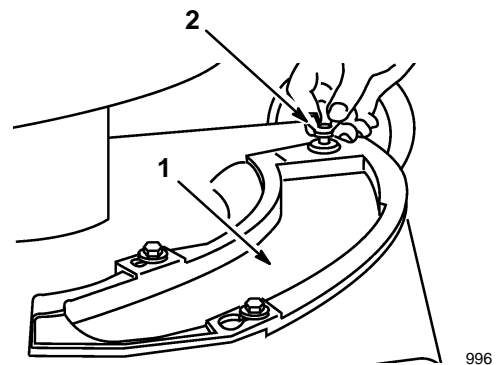


Figure 32

1. Cover or mulch plate
2. Wing screw

3. Slide the cover plate counterclockwise and remove it from the mower housing.
4. Place front corner of the chute baffle into the deck opening. Rotate the chute counterclockwise and push down into the deck opening (Fig. 33).

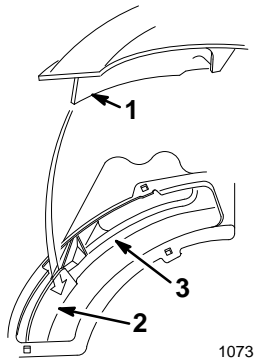


Figure 33

1. Chute baffle
2. Deck baffle
3. Toe guard

Note: The chute baffle must go behind the front deck baffle and between the blade and toe guard to prevent contact with the blade.

5. Insert the chute support rod through hole in the right side of the deck (Fig. 34).

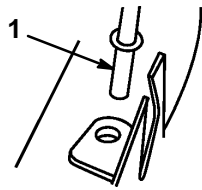


Figure 34

1. Chute support rod

6. Push the key hole slots on the chute down over the two shoulder bolts on the mower housing and slide the chute clockwise to lock it in place (Fig. 35).

7. Secure with the wing screw (Fig. 35).

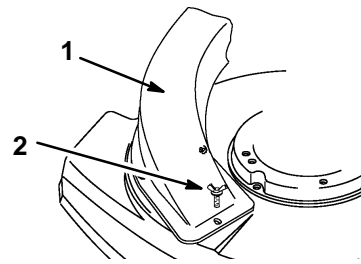


Figure 35

1. Chute assembly
2. Wing screw

8. Check the clearance between blade tips and the baffle, ensuring that there is no contact (Fig. 36).

Note: The baffle must go behind the front deck baffle and between the blade and toe guard to prevent contact with the blade (Fig. 36).

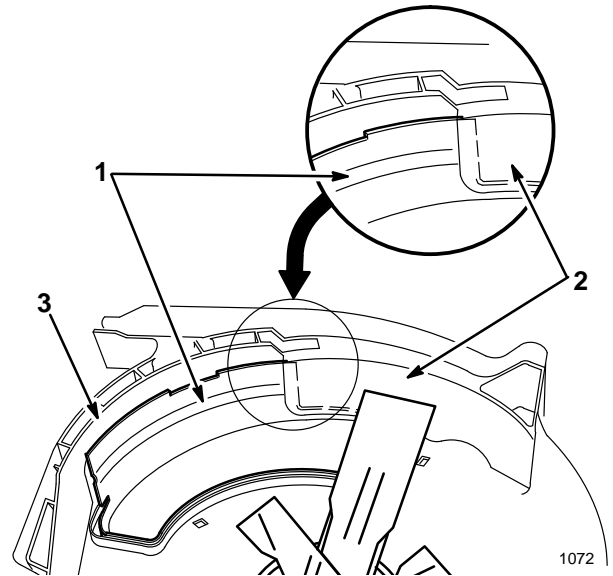


Figure 36

1. Baffle
2. Front deck baffle
3. Toe guard

9. Remove the knob and bolt securing the left side upper and lower handle sections (Fig. 37).

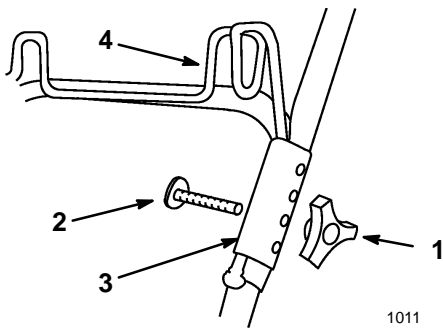


Figure 37

- 1. Knob
- 2. Bolt
- 3. Hanger clamp
- 4. Bag hanger

10. Hold a hanger clamp on the outside of the handle sections, and insert a bolt from the inside of the handle sections through the holes in the hanger clamp.
11. Position the bag hanger leg into the hanger clamp groove and secure it with a knob.
12. Repeat steps 9 through 11 for the other side.
13. Close the rear of the bag by folding the sides in and pressing the interlocking rear handle halves together (Fig. 38).

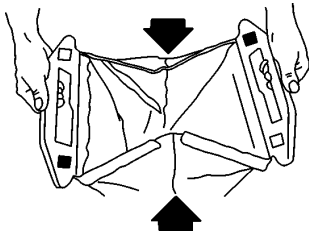


Figure 38

14. Hang the rear bag handles on the bag hanger on the handle.
15. Grasp the bag assembly handle and slide the over the flange of the grass chute (Fig. 39). Push downward on the handle until it seats into position.

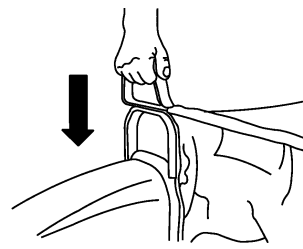


Figure 39

16. Ensure that the bag is taut on the top cloth area between the front bag handle and the rear bag hanger handles. If the bag is too tight or too loose, adjust it as follows:
 - A. Remove the bag from the rear bag hanger.
 - B. Remove the bolts and knobs securing the hanger clamps to the handle sections (Fig. 37).
 - C. Assemble the hanger clamps on the handle sections, using whichever set of holes best holds the bag taut.

Note: Using the lower holes tightens the bag assembly and the upper holes loosens the assembly.

17. Connect the spark plug wire.

Note: Under normal use, bag materials are subject to deterioration and wear. Check the grass bag often and replace the when necessary with a genuine Lawn-Boy replacement bag. A weakened or inferior bag may let objects pass through, causing injury.

Installing the Cover Plate

To convert from mulching operation to side discharge the mulch plate must be removed and a cover plate installed.

! **WARNING** !

POTENTIAL HAZARD

- An uncovered discharge opening will allow objects to be thrown in the operator's or bystander's direction. Also, contact with the blade could occur.

WHAT CAN HAPPEN

- Thrown objects or blade contact can cause serious injury.

HOW TO AVOID THE HAZARD

- Never operate the mower unless a cover plate, mulch plate, or grass chute and catcher are installed.

1. Stop the engine and disconnect the spark plug wire (Fig. 7).
2. Remove the wing screw that fastens the mulch plate to the housing (Fig. 32).
3. Slide the mulch plate counterclockwise and pull it up and out of the mower housing.
4. Slide the cover plate over the shoulder bolts (Fig. 40).

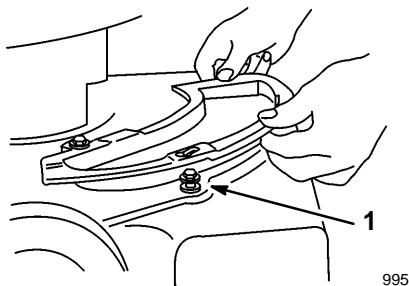


Figure 40

1. Shoulder bolt

5. Slide the cover plate clockwise.
6. Secure the cover plate with the wing screw.
7. Connect the spark plug wire (Fig. 7).

Installing the Mulch Plate

To convert from side discharge operation to mulching the cover plate must be removed and the mulch plate installed.

! **WARNING** !

POTENTIAL HAZARD

- An uncovered discharge opening will allow objects to be thrown in the operator's or bystander's direction. Also, contact with the blade could occur.

WHAT CAN HAPPEN

- Thrown objects or blade contact can cause serious injury.

HOW TO AVOID THE HAZARD

- Never operate the mower unless a cover plate, mulch plate, or grass chute and catcher are installed.

1. Stop the engine and disconnect the spark plug wire (Fig. 7).

2. Remove the wing screw that fastens the cover plate to the housing (Fig. 32).
3. Slide the cover plate counter clockwise and remove it from the mower housing.
4. Place the front corner of the mulch plate baffle into deck opening (Fig. 33).
5. Rotate the mulch plate counterclockwise and push it down into deck opening (Fig. 33).

Note: The mulch plate baffle must go behind front deck baffle and between the blade and toe guard to prevent contact with the blade.

6. Slide the mulch plate over the shoulder bolts (Fig. 41).
7. Slide the mulch plate clockwise.
8. Secure the mulch plate with the wing screw (Fig. 41).

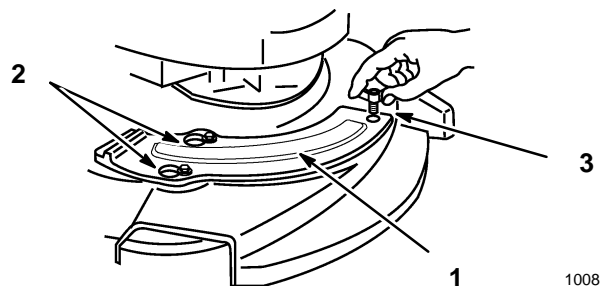


Figure 41

1. Mulch plate
2. Shoulder bolts
3. Wing screw

9. Check the clearance between the blade tips and the mulch plate baffle, ensuring that there is no contact (Fig. 36).

Note: The baffle must go behind the front deck baffle and between the blade and toe guard to prevent contact with the blade (Fig. 36).

10. Connect the spark plug wire.

Note: Use only a genuine Lawn-Boy replacement cutting blade. Other blades may strike the mulch plate when the engine is started and run.

Mulching Operation

To achieve the best mulching action, set the mower height of cut so that no more than 1/3 of grass stem is cut off; maximum of 1 inch (25 mm) long clippings. If you attempt to mulch more or if the grass is very lush, the mulching action will be poor. Under these conditions it

may be beneficial to use the side discharge or grass catcher instead of mulching. A few days later, a pass with the mulch plate installed will put you back on schedule.

Storage

To prepare the mower for off-season storage perform recommended maintenance procedures. Refer to the Maintenance section.

Store the mower in a cool, dry place.

Fuel

! WARNING !

POTENTIAL HAZARD

- In certain conditions, gasoline is extremely flammable and highly explosive.

WHAT CAN HAPPEN

- A fire or explosion from gasoline can burn you and others and cause property damage.

HOW TO AVOID THE HAZARD

- Do not store gasoline (fuel) over long periods of time.
- To prevent possible explosion of vaporized fuel, do not store the mower with fuel in the tank or carburetor in an enclosure with an open flame (Example: furnace or water heater pilot light).
- Allow the engine to cool before storing in any enclosure.

We recommend Lawn-Boy 2 + 4[®] Fuel Conditioner to stabilize fuel for storage (Fig. 6). If possible, the last fuel fill of the year should be treated with Lawn-Boy 2 + 4[®] Fuel Conditioner.

Plan ahead and try to run the fuel tank empty when mowing the last time prior to storage. The smaller the amount of fuel in the tank, the shorter the time required to run the fuel system dry. Run the mower until engine stops from lack of fuel.

Engine

1. Remove the spark plug. Using an oil can, squirt about one tablespoon of oil through the spark plug hole (Fig. 42).

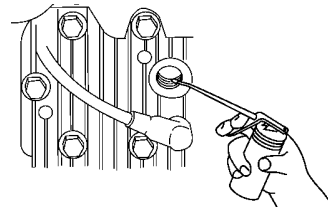


Figure 42

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2. Slowly rotate the engine several times, using the starter rope, to distribute oil (Fig. 9).
3. Replace the spark plug but **do not** connect the spark plug wire.

Folding the Handle

1. Squeeze the bottom handle sections together and slide them past the stops on the handle brackets (Fig. 43).

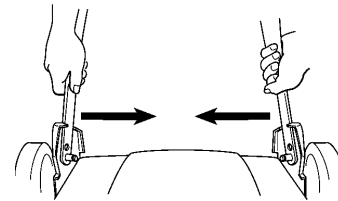


Figure 43

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2. Rotate the handle toward the front of the mower (Fig. 44).

IMPORTANT: Fold the handle only as illustrated. If the handle is folded in the opposite direction, damage will occur to the control cables.

3. Loosen the knobs securing the top handle section to the bottom section and fold the top handle section back towards rear of the mower into the storage position (Fig. 44).

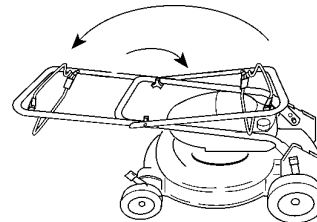


Figure 44

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Removing From Storage

1. Unfold the handle. Refer to the handle assembly instructions in the Assembly section
2. Check and tighten all fasteners.
3. Remove the spark plug (Fig. 7) and spin the engine rapidly using the starter to blow excess oil from the cylinder.
4. Clean the spark plug or replace it if it is cracked, broken, or the electrodes are worn.
5. Install the spark plug and torque it to 180 in.-lbs. (15 ft.-lbs.) (20 N·m).
6. Perform the recommended maintenance procedures. Refer to the Maintenance section.
7. Fill the fuel tank (Fig. 5) with fresh, clean gasoline.
8. Check the engine oil level.
9. Connect the spark plug wire (Fig. 7).



Silver Series WPM
Commercial WPM
Cordless & Electric WPM

THE LAWN-BOY NO-WORRY WARRANTY

A Full Warranty
(Limited Warranty for Commercial Use)

What Is Covered By This Express Warranty?

For a period of 2 years from the date of purchase, Lawn-Boy promises to repair any Lawn-Boy 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 cost of parts and labor is included, but the customer pays the transportation costs.

What Products Are Covered By This Warranty?

This warranty applies to all Gold Series, Silver Series, Commercial Series, Cordless, and Electric Walk Power Mowers.

How About Commercial Use?

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

Commercial Series Mowers 1 year
All other Lawn-Boy mowers 45 days

How Do You Get Warranty Service?

Should you feel your Lawn-Boy Product requires warranty service, contact the dealer who sold you the product or any Authorized Lawn-Boy 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 Lawn-Boy Service Dealer, please feel free to contact us at the following address:

Lawn-Boy Customer Service Department
8111 Lyndale Avenue South
Bloomington, MN 55420-1196
612-888-8801
800-526-6937

What Must You Do To Keep The Warranty In Effect?

You must maintain your Lawn-Boy 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.

What Does This Warranty Not Cover? and

How Does Your State Law Relate To This Warranty?

There is no other express warranty except for special emission system coverage on some products. This express warranty does not cover:

- Cost of regular maintenance service or parts, such as filters, fuel, lubricants, oil changes, spark plugs, blade sharpening, blade worn out, 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 Lawn-Boy Service Dealer using Lawn-Boy approved replacement parts.

Repair by an Authorized Lawn-Boy Service Dealer is your sole remedy under this warranty.

Lawn-Boy is not liable for indirect, incidental or consequential damages in connection with the use of the Lawn-Boy Products covered by this warranty, including any cost or expense of providing substitute equipment or service during reasonable periods of malfunction or non-use pending completion of repairs under this warranty. Some states do not allow exclusions of incidental or consequential damages, so the above exclusion 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.

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

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased Lawn-Boy Products exported from the United States or Canada should contact their Lawn-Boy 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 Lawn-Boy importer. If all other remedies fail, you may contact us at Lawn-Boy.