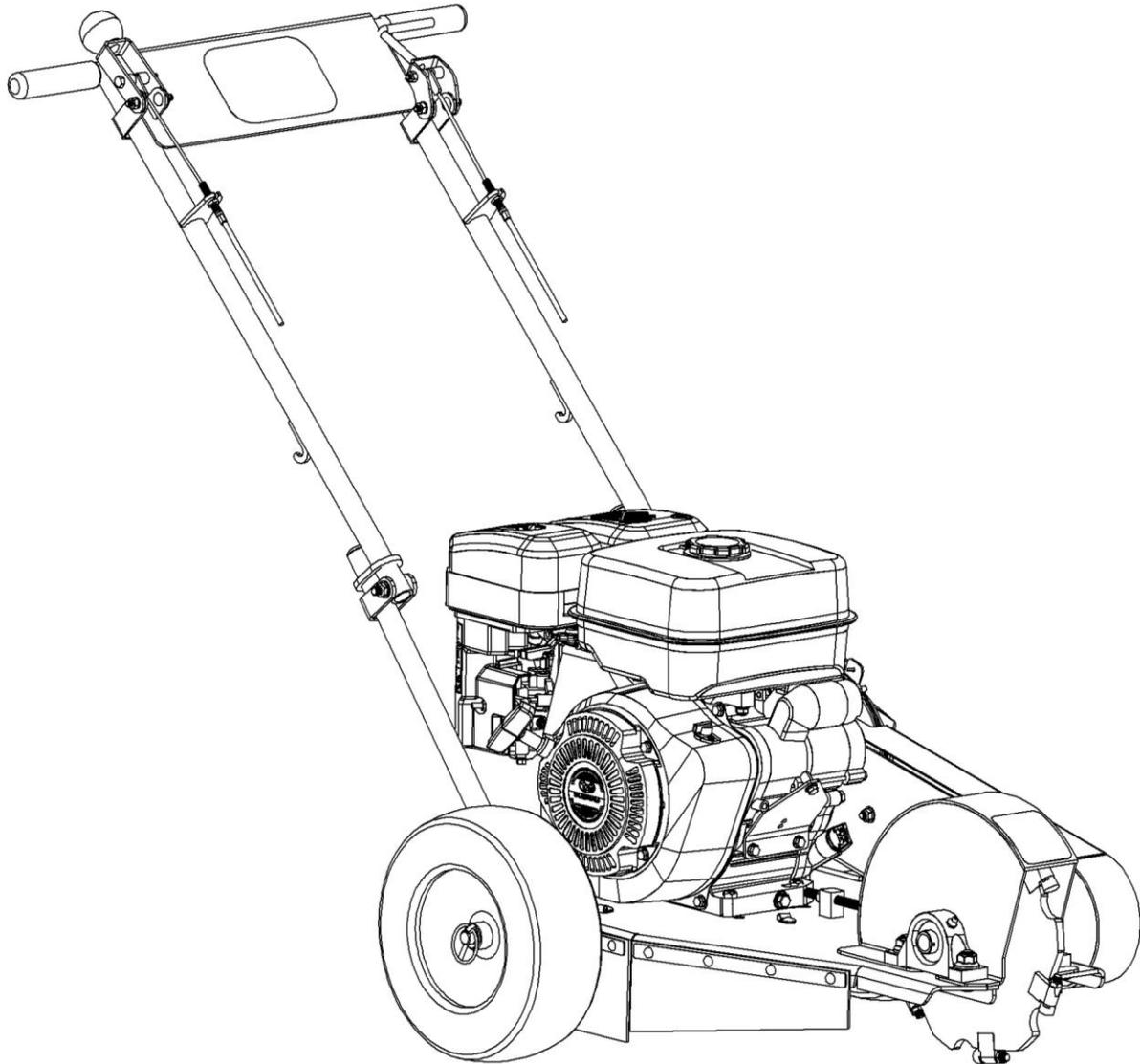




# *SG11 Owner's Manual*

## Operator's Manual Compact Stump Grinder

Models: SG1109SU\_\_  
SG1109HO\_\_



Lawn Solutions Commercial Products, Inc.  
502-968-3188



# SG11 Owner's Manual

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## Introduction

### **READ THIS MANUAL**

Read this manual carefully in its entirety. It contains safety, operating, maintenance, and adjustment procedures for your product. By following the operating and maintenance instructions you will prolong the life of your equipment. Failure to do so could result in personal injury or equipment damage. You are responsible for operating the product properly and safely as well as training

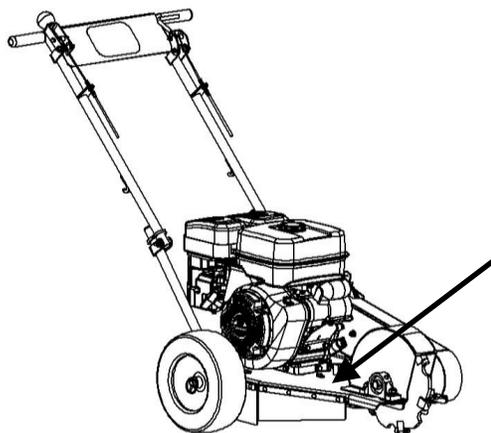
### **INTRODUCTION**

Thank you for purchasing your Lawn Solutions Compact Stump Grinder. It has been designed for years of use for both commercial and rental applications. Take the time to carefully read and understand this manual which provides complete operating and maintenance instructions that will help maintain you unit.

Whenever you need service, parts, or additional information, contact an Authorized Servicing Dealer or Lawn Solutions Customer Service and have the model number for your product available.

### **PRODUCT INFORMATION**

You can find your Model and Serial Number plate on the frame next to the engine.



Date Purchased _____
Model No. _____
Serial No. _____
Engine Model No. _____
Engine Serial No. _____



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## SAFETY PRECAUTIONS

### **TRAINING & SAFETY**

1. Like all powered equipment, reasonable care must be used when operating this machine.
2. It is the **owner's** responsibility to ensure each user is properly trained on how to **safely** operate and use this piece of equipment.
3. Read the instructions carefully and understand how to use the controls.
4. Avoid operating this equipment around bystanders especially children and animals.
5. The use of personal protective equipment, such as (but not limited to) protection for the eyes, ears, feet, and head is recommended.
6. While operating, always wear substantial footwear and long trousers. Do not operate this equipment while barefoot or with sandals.
7. Clear the work area around the stump. The work area should be free of obstacles and debris.

### **ENGINE SAFETY**

1. DO NOT refuel this equipment while the engine is running.
2. DO NOT refuel this equipment while the engine is hot.
3. If you spill fuel during refueling, clean up the excess fuel, move the unit to another location while waiting for the

remainder of the fuel to evaporate prior to starting.

4. DO NOT smoke while filling the gas tank.
5. Do NOT run the engine in an enclosed area.
6. DO NOT touch the muffler, engine, and cooling fins when hot.
7. DO NOT leave the unit running while unattended.
8. DO NOT over rev the engine. The maximum RPMs for the engine is:
  - Subaru – 3,600 RPMs
  - Honda – 3,600 RPMs
9. DO NOT operate with grass, leaves, or other combustible materials near the muffler.
10. This is just an overview of some engine safety requirements. Consult the engine manual for the product being used for any additional engine safety information.

### **OPERATION**

1. The stump grinder is designed to remove ONLY stumps.
2. Remove rocks, debris, and other foreign objects from the base of the stump prior to using the machine.
3. To remove a stump, start grinding on the outside edge of the stump with a side to side motion.
4. Apply the wheel brake to keep the unit in one location while going side to side.

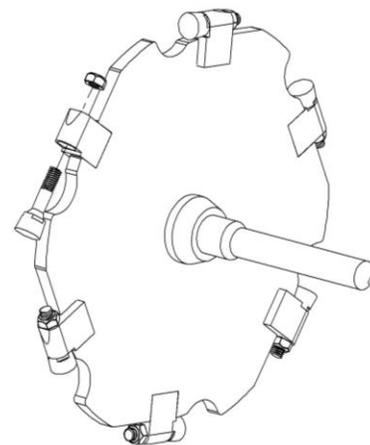
5. Allow the blades to shave the stump.  
If the engine stalls, there is too much downward pressure on the blade.  
Allow the machine to do the work.
6. Keep the blades out of the dirt as much as possible. Dirt, sand, or rocks will dull the cutting blades.
7. If removing multiple stumps, do the largest stump first.
8. When chips collect under the machine, stop the blades, pull the unit back, and remove the chips so the unit is easier to move side to side.
9. Start on 1 side of the stump and work needed to get the desired depth, finish the first pass before starting the 2<sup>nd</sup> pass.

## **CONTROLS**

1. To engage the cutting head, squeeze and hold the left control handle to engage the cutters. To stop the cutter, release the handle.
2. To apply the wheel brake, pull the right control lever back. To release the brake, push the control lever forward.
3. The engine should operate at full throttle which is adjusted on the side of the engine. See engine label on the right side for the control function.
4. The handles will fold down for transporting.

## **MAINTENANCE**

1. Before each days use:
  - a. Check the teeth for sharpness. Rotate or replace if needed.
  - b. Check the teeth to ensure each one is tight and not damaged.
  - c. Run the unit and check for any excessive vibrations.
  - d. Check and clean the air filter if needed.
  - e. Check and add engine oil if needed.
2. As needed or every rental replace or rotate the cutting teeth.
  - a. To rotate the tooth: loosen the nut and tap the tooth forward to it can rotate. Rotate 1/3 of a revolution and align the locking surfaces then tighten the tooth.
  - b. When the tooth needs replaced: remove the nut and install a new tooth and nut.
3. Every 100 hours
  - a. Replace the engine air filter
  - b. Change the engine oil
  - c. Check and adjust belt tension if need.





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## Trouble Shooting

### TROUBLE SHOOTING

<b>Problem</b>	<b>Possible Cause</b>	<b>Solutions</b>
Engine will not start	Engine Turned off at the engine	Locate on/off switch and turn it on
	Spark plug disconnected	Check spark plug
	Fuel Turned off for transporting	Turn on fuel on the engine
Abnormal vibrations	Loose or missing bolts; teeth, or broken parts.	Stop work immediately! Replace many broken or missing parts.
Blades stops spinning when engaged	Clutch or belt is worn.	Replace worn parts.
Engine hard to start after transporting	Engine is flooded due to bouncing while transporting.	Turn off fuel during transport.



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