

# **Operator's manual**

## **SC18A**



Please read these instructions carefully and make sure  
you understand them before using the machine.

**English**

**To implement improvements, specifications and designs can be altered without prior notification.**  
**Note that no legal demands can be placed based on the information contained in these instructions.**  
**Use only original parts for repairs. The use of other parts voids the warranty.**  
**Do not modify or install non-standard equipment to the unit without consent from the manufacturer.**  
**Modifications to the unit may cause unsafe operations or damage the unit.**

**When this product is worn out and no longer used, it should be returned to the reseller or other party for recycling.**

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# INTRODUCTION

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## **Congratulations**

Thank you for purchasing a Husqvarna sod cutter. Through your confidence in us, you have chosen an exceptionally high quality product.

This manual is a valuable document. It describes your new Husqvarna machine. Read the manual carefully before attempting to use the machine. Following the instructions (use, service, maintenance, etc.) can considerably increase the life-span of your machine and even increase its resale value. Please contact your dealer for more information.

If you sell your Husqvarna machine, make sure to give the operator's manual to the new owner.

## **Use**

The sod cutter is used to remove the top layer of sod in a 18" wide strip. Read the chapter "Safety instructions" before you use the machine for the first time.

## **Insure your machine**

Contact your insurance company to check on insurance coverage for your new machine. You should have all-inclusive insurance for liability, fire, damage and theft.

## **Good Service**

Husqvarna's products are sold all over the world and only in specialized retail trade with complete service. This ensures that you as a customer receive only the best support and service. Before the machine was delivered it underwent inspection and was adjusted by your dealer. When you need spare parts or support in service questions, guarantee issues, etc., please consult the following professional:

This Manual belongs to the machine with the manufacturing number:	Engine

## **Serial Number**

The serial number can be found on the printed plate attached to the frame on the back panel under shifter bracket. The plate includes the following information:

- Machine's type designation (MODEL).
- Machine's serial number (S/N).

Please state the type designation and serial number when ordering spare parts.

The engine's serial number is stamped in the crankcase under the oil level guard.

The engine type is specified on the crankcase to the right of the oil level guard but also appears on the decal on the starter.

Please state these when ordering spare engine parts.

# SYMBOLS AND DECALS



## WARNING!

Xxxx xxx xxxx xx xxxx x xxxx.

Used in this publication to notify the reader of a risk of personal injury, particularly if the reader DOES NOT follow the instructions given in the manual.

## IMPORTANT INFORMATION

Xxxx xxx xxxx xx xxxx x xxxx.

Used in this publication to notify the reader of a risk of material damage, particularly if the reader DOES NOT follow the instructions given in the manual. Used also when there is a potential for misuse or misassembly.

## Decals and machine-mounted instructions

R

Reverse

N

Neutral



Fast



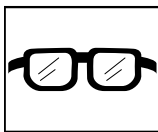
Slow



Warning!



CE Conformity  
Marking, Only for  
European market



Use  
Protective  
Glasses



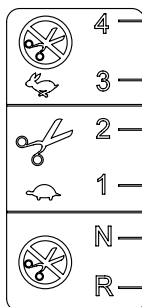
Use  
Protective  
Gloves



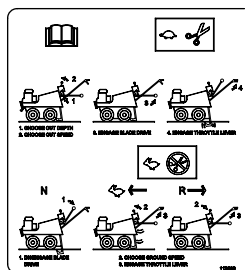
Foot  
Severing  
Warning



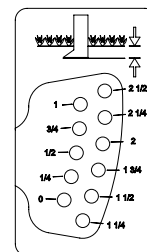
Maximum  
RPM



Shift



Operation



Depth of Cut

Missing or illegible decals must be replaced before using the machine.

# SAFETY

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## General use

The object of this manual is to help you use your Husqvarna machine safely and to give you information about how to maintain your machine.

Read this manual carefully and make sure you understand it before using the machine or performing any maintenance. If the user cannot read this manual, it is the responsibility of the machine owner to explain the contents to the user.

If after reading the operator's manual you are still unsure about the safety risks associated with use of the machine, you should not use the machine. Please contact your dealer for more information.

These safety instructions only address the basics for safe use. It would be impossible in the safety instructions to describe all possible risk situations that could arise when using the machine. You can, however, prevent accidents by always using common sense.

To obtain extra copies of the operator's manual, please contact your dealer.



### WARNING!

**Under no circumstances may the original design of the machine be modified without written approval from the manufacturer. Such modifications not only affect the performance and durability of the machine but may even pose a safety risk for users and those in the vicinity. Unauthorized modifications to the design of the machine may absolve the manufacturer from liability for any resulting personal injury or property damage. Modifying the machine without written approval from the manufacturer may void the guarantee.**

## IMPORTANT INFORMATION

**Do not use the machine until you have read the operator's manual carefully and understand the instructions given. All maintenance work or adjustments not described in this manual must be performed by an authorized Husqvarna service workshop.**



### WARNING!

**The sod cutter can be dangerous if used improperly or with out due care. This can lead to serious accidents or, in the worst cases, even fatal accidents. It is very important to read this operator's manual and understand the instructions before attempting to use the machine.**

# SAFETY

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- Follow all safety instructions. Failure to do so may result in injury to yourself or others.
- Accident prevention regulations, other general safety regulations, occupational safety rules and traffic regulations must be followed without fail.
- All users shall be trained in use of the machine. The owner is responsible for training users.
- Engage an authorized Husqvarna workshop for all service and repairs not described in this manual.
- Husqvarna original spare parts are designed and specified to maintain high quality and correct fit for optimal durability and life-span. From a safety point of view, you should only use Husqvarna original spare parts.
- Learn how to use the machine and its controls safely and learn to recognize the safety decals.
- Only use the machine for removing sod. It is not intended for any other use.
- Check that the machine is in serviceable condition prior to use; see Maintenance.
- Only use the machine in daylight or in other well-lit conditions. Keep the machine a safe distance from holes or other irregularities in the ground. Pay attention to other possible risks.
- Only allow the machine to be used by adults who are familiar with its use.
- Never allow persons not trained in the use of the machine to service it.
- Never allow children or persons not trained in the use of the machine to operate it. Local laws may regulate the age of the user.
- People and animals can distract you causing you to lose control of the machine. For this reason, you should always concentrate and focus on the task at hand.
- Never leave the machine unsupervised with the engine running.
- Make sure that other people are nearby when you are using the machine so that you can call for help should an emergency arise.
- The machine is tested and approved only with the equipment originally provided or recommended by the manufacturer.



## **WARNING!**

**The engine can become very hot. To avoid being burned, you must turn off the engine and wait until all parts have cooled before touching the engine.**



## **WARNING!**

**Overexposure to vibration may lead to circulatory or nerve damage, particularly in people who have impaired circulation.**

**Contact your doctor if you experience symptoms that could have been caused by overexposure to vibration. Examples of common symptoms include numbness, pain, muscle weakness, change of skin color or an uncomfortable feeling of tingling. These symptoms appear most frequently in the fingers, hands or wrists.**

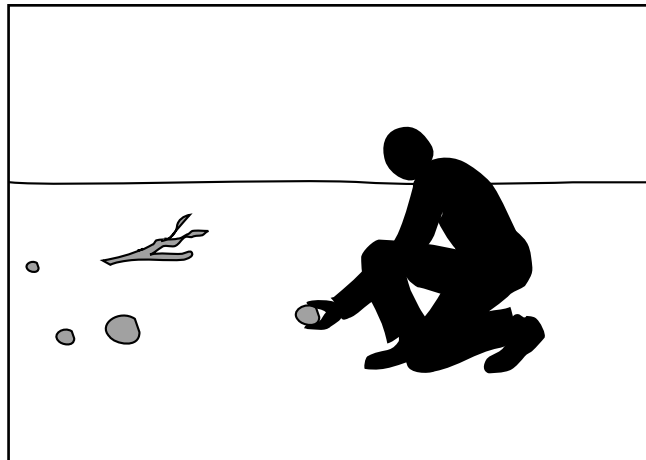
## **IMPORTANT INFORMATION**

**Never use a sod cutter that is damaged or incorrectly adjusted. Never use the sod cutter if any component is missing or if it is not properly assembled. Check that the cutting tools stop rotating when you reduce the throttle. If you find yourself in a situation where you are not sure what to do, always seek expert assistance. DO NOT try to attack any problem you are not qualified to resolve.**

# SAFETY

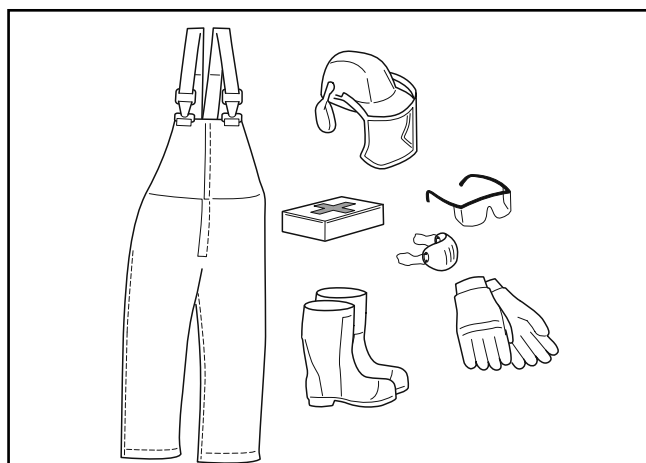
## Preparations

- Have first aid equipment at hand when using the machine.
- Make sure nobody else is in close vicinity of the machine when you start the engine, engage the drive or run the machine.
- Make sure animals and people maintain a safe distance from the machine.
- Make sure no clothing, long hair or jewelry can catch in moving machine parts.
- Thoroughly inspect the area where the equipment is to be used and remove all foreign objects.
- Locate all fixed objects in the ground, such as sprinkler systems, poles, water valves, bases for washing lines, etc. Be certain to check for hidden electrical cables.
- Check that the throttle grip and all guards are fitted and functioning. **DO NOT** use the machine if it is not working properly.
- Do not operate the equipment without wearing adequate garments. Wear anti-slip protective shoes or protective boots.
- Always wear approved protective glasses or full visor when assembling or cutting sod.
- Use ear protectors to avoid damage to hearing.
- Always wear gloves when handling the blade.
- Never attempt to make any adjustments while the engine (motor) is running (except where specifically recommended by the manufacturer).
- Shift into neutral before starting the engine.



8011-198

*Clear the work area before beginning work.*



8011-670

*Use appropriate equipment.*



### **WARNING!**

**Always use approved protective clothing and approved protective equipment when using the machine. Protective clothing and protective equipment cannot eliminate the risk of accidents, but wearing proper clothing and the correct equipment will reduce the degree of injury should an accident occur. Ask your dealer about approved protective clothing and approved protective equipment recommended by Husqvarna.**



# SAFETY

## Operating

- Do not use the machine on grades of more than 25°.
- Do not use the machine if you are tired, if you have consumed alcohol, or if you are taking other drugs or medication that can affect your vision, judgment or coordination.
- Never use the machine indoors or in spaces lacking proper ventilation.
- Make sure you have a proper foothold when using the machine, particularly when backing. Walk, don't run. Never work on wet grass. Poor traction may cause you to slip.
- Keep your hands and feet away from moving parts.
- Smoking, open flames or sparks in the vicinity of the machine are strictly forbidden. Gasoline is extremely flammable and carelessness in handling can result in personal injury or fire.
- Never use a machine with a defective muffler.
- Stop and inspect the equipment if you strike a foreign object. If necessary, make repairs before beginning again.
- Whatever happens, you should always park the machine on even ground, disengage the drive, activate the parking, turn off the engine and wait until all moving parts have stopped before leaving the operating position behind the machine.



8011-091

*Make sure you keep your hands and feet away from moving parts.*



### **WARNING!**

**Engine exhaust, some of its constituents and certain vehicle components contain or emit chemicals considered to cause cancer, birth defects or other reproductive harm. The engine emits carbon monoxide, which is a colorless, poisonous gas. Do not use the machine in enclosed spaces.**

# SAFETY

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- If the unit should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning sign of trouble.
- Stop the engine when leaving the operating position, and when making any repairs, adjustments, and inspections.
- Take all possible precautions when leaving the machine unattended. Disengage the power take-off, raise the attachment, shift into neutral, stop the engine.
- Before cleaning, repairing, or inspection, shut off the engine and make certain all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.
- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Never operate the machine without proper guards, plates, or other safety protective devices in place.
- Keep all bystanders (including children) and pets out of the sod cutting area. Never assume that children will remain where you last saw them.
- Keep children in the watchful care of a responsible adult other than the operator.
- Do not overload the machine capacity by attempting to cut too deep at too fast a rate.
- Never operate the machine at high transport speeds on hard or slippery surfaces.
- Use only attachments and accessories approved by the manufacturer of the machine (such as wheel weight, counterweights, and the like).
- Be careful when cutting in hard ground. If you lose control, let go of the handles and do not restrain the machine.
- Use extreme caution when reversing or pulling the machine towards you.
- Do not change the engine governor settings or overspeed the engine.
- Start the engine or switch on the motor carefully according to instructions and with feet well away from the cutting blade.

## Movement/Transport

- To turn and steer the machine, press down on the handle and turn on the back wheels.
- Turn off the engine and allow it to cool at least 2 minutes before transport.
- We recommend only loading and unloading in the transport mode on a well secured ramp, do not lift, the unit is too heavy.
- Fasten the machine properly in place with approved fasteners, such as tension belts, chains or straps. Always check that you are in compliance with applicable traffic regulations before transporting the machine.
- Follow manufacturer's recommendations for safe loading, unloading, transport, and storage of machine.

## Storage

- Never store the machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
- Store the machine with the fuel valve closed.
- Store the machine in a locked space away from children and adults untrained in use of the machine.
- Always refer to the operator's manual for important details if the sod cutter is to be stored for an extended period.

## Children

- Serious accidents can occur if you fail to be on guard for children in the vicinity of the machine. Never assume that children will stay put where you last saw them.
- Keep children away from the machine.
- Keep children away from the sod cutting area and under close supervision by another adult.
- Keep an eye out and shut off the machine if children enter the work area.
- Never allow children to operate the machine.
- Be particularly careful near corners, bushes, trees or other objects that block your view.

# SAFETY

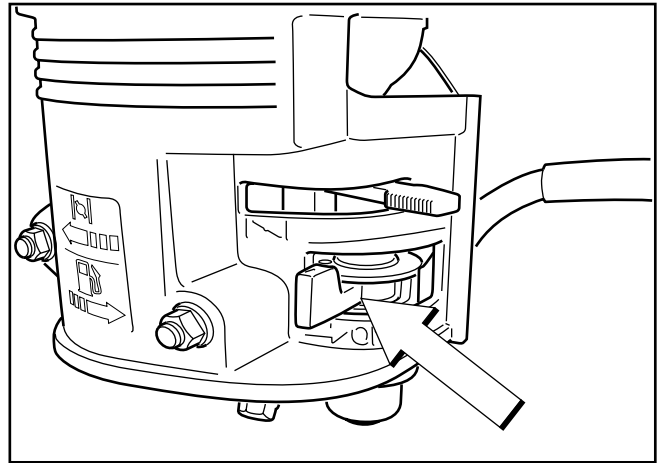


## WARNING!

**Gasoline and gasoline fumes are poisonous and extremely flammable. Be especially careful when handling gasoline, as carelessness can result in personal injury or fire.**

## Refueling

- Only store fuel in containers approved for that purpose.
- Never remove the fuel cap and fill the fuel tank when the engine is running.
- Always stop the engine when refueling.
- Do not smoke when filling the gasoline tank and do not pour gasoline in the vicinity of sparks or open flame.
- Never fill the fuel tank indoors.
- Before starting the machine after refueling, it should be moved at least 10 feet (3 M) from the location where it was filled.
- Turn off the fuel supply for storage or transport.
- If leaks arise in the fuel system, the engine must not be started until the problem has been resolved.
- Check the fuel level before each use and leave space for the fuel to expand. Heat from the engine and sun can cause the fuel to expand and overflow.
- Avoid overfilling. If you spill gasoline on the machine, wipe up the spill and wait until it has evaporated before starting the engine.
- If you spill gasoline on your clothing, change your clothing.
- Do not start the engine near spilled fuel.
- Never use gasoline as a cleaning agent.
- To avoid personal injury or property damage, use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive.
- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliances.
- Before you begin refueling, minimize the risk of static electricity by touching a metal surface.
- Never fill containers inside a vehicle or on a truck or trailer bed with plastic liner. Always place containers on the ground away from your vehicle when filling.
- Remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from 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. Do not use a nozzle lock-open device.



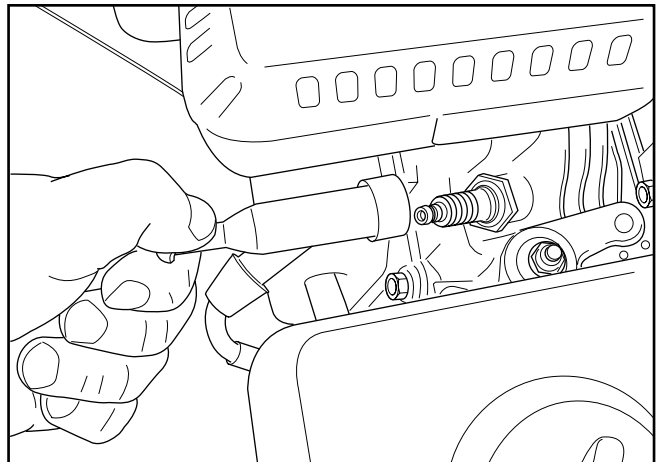
8061-024

*Close the fuel valve.*

# SAFETY

## Maintenance

- Never make adjustments with the engine running.
- Disengage the drive units, shut off the engine and wait until all moving parts come to a complete stop before making adjustments, performing maintenance or cleaning the machine.
- Disconnect the spark plug cable before beginning repair work.
- Keep all components in serviceable condition and make sure all nuts, bolts and other hardware are tight. Replace worn or damaged decals.
- Be careful when checking work tools. Use gloves when performing maintenance work.
- Never allow persons not trained in the use of the machine to perform service on it.
- Always park the machine on even ground before performing maintenance or making adjustments.
- Do not disassemble the engine. This can invalidate the engine warranty. Contact the dealer for questions regarding service or guarantee matters. Follow all maintenance instructions.
- Do not change the setting of governors and avoid running the engine with over 3000 RPM. If the engine is run too fast, damage to the machine components can occur.
- The muffler is designed to maintain sound levels at an approved level and keep direct exhaust away from the user. Exhaust gases from the engine are extremely hot and may contain sparks that can cause fires or burn the user.
- Never use a machine with a defective muffler.
- Reduce the risk of fire by removing grass, leaves and other debris that may have caught in the machine.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage and remove any fuel-soaked debris. Allow machine to cool before storing.
- Keep all nuts and bolts tight to be sure the equipment is in safe working condition.
- If the fuel tank has to be drained, do this outdoors.
- The machine is tested and approved only with the equipment originally provided or recommended by the manufacturer. Only use approved repair parts for the machine.
- Regularly clean machine and underside, avoid spraying engine and electrical components with water.



8011-027

*Remove the spark plug cable.*



### **WARNING!**

**Wait until all moving parts are completely still before performing maintenance on the machine. Turn off the engine and remove the spark plug cable.**



### **WARNING!**

**This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forested, brush-covered or grassy land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.**

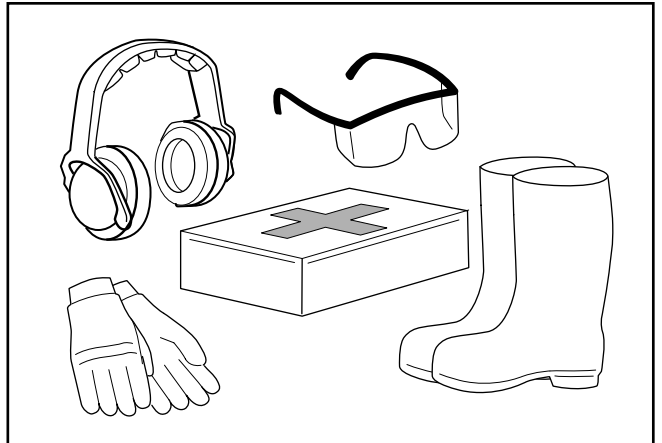
# PROTECTION EQUIPMENT

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## Personal Protection Equipment

Consult your Husqvarna dealer when selecting protective equipment. Dealers have a broad assortment of equipment for professionals and knowledge about occupational environmental requirements and protective levels.

1. Ear protection
2. Protective glasses
3. Protective gloves
4. First aid kit
5. Protective boots or steel-toed shoes

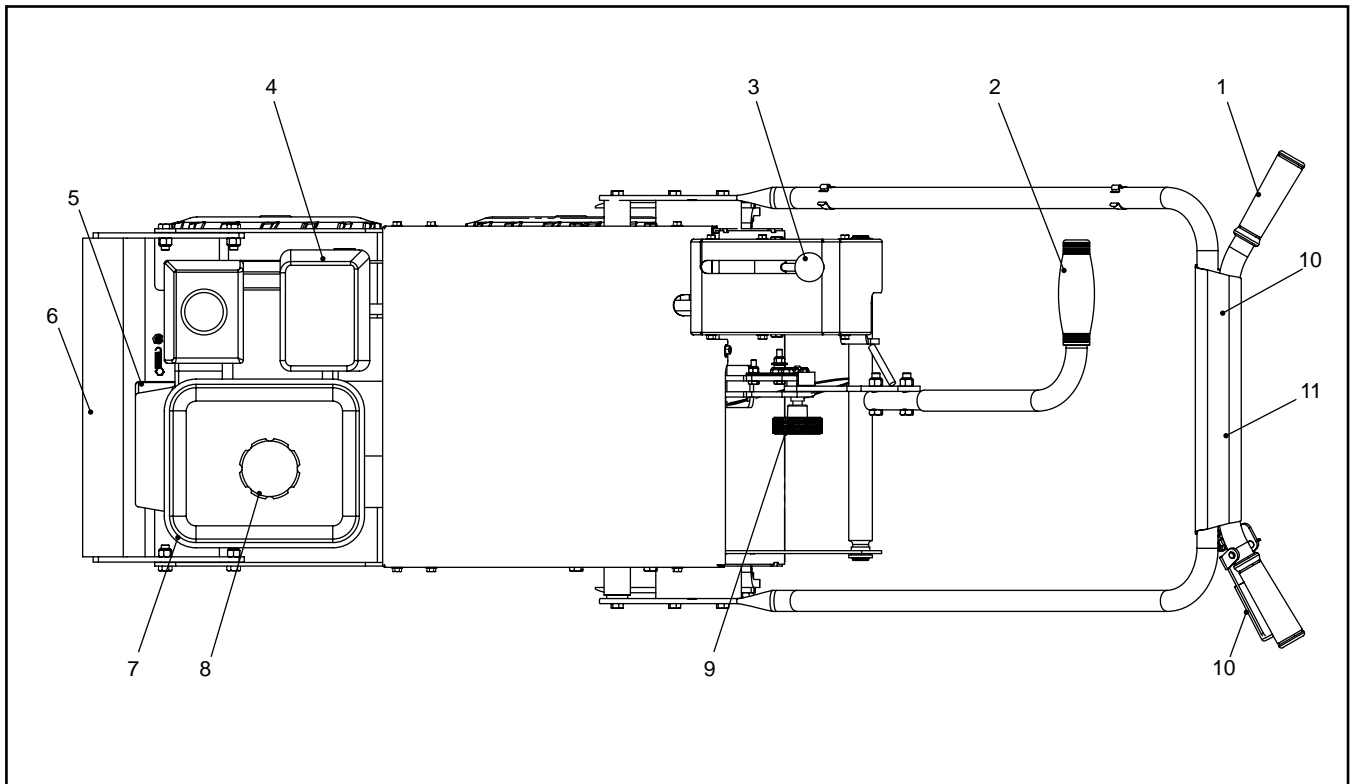


*Personal protection equipment*

8011-670

# CONTROLS

## Main Components and Controls



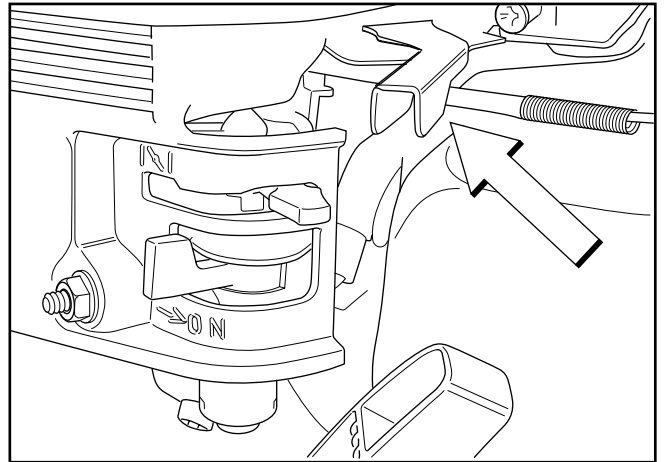
- |                           |                         |
|---------------------------|-------------------------|
| 1. Handle                 | 6. Weight               |
| 2. Blade Engagement Lever | 7. Engine ON/OFF Switch |
| 3. Shift Control Lever    | 8. Fuel Tank            |
| 4. Engine                 | 9. Depth of Cut Knob    |
| 5. Engine Start Cord      | 10. Throttle            |

Refer to the Engine Manufacturer's Owner's Manual for operation and service of the engine.

# CONTROLS

## Speed Control Lever

The speed control lever on the engine is normally not used. It is connected to the throttle on the handle. If the cable should bind or break, you can reduce the throttle with the lever on the engine as an emergency measure to slow the engine speed to an idle and stop the cutting wheel.



8011-034

## Starter

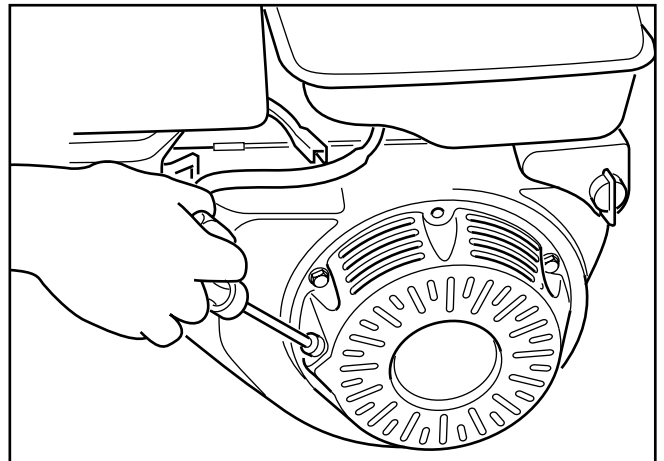
The magna pull-type starter has spring return. To replace the return spring or starter cord, contact an authorized service workshop.

### IMPORTANT INFORMATION

**Do not let the recoil cord snap back by itself.  
This may damage the cord or the recoil  
starter assembly.**

## Starter Handle

Misuse of the starter handle can damage the starter. Do not twist the starter cord around your hand. Pull out the handle slowly until the gears mesh. Do not pull out the starter cord completely and do not let go of the starter handle when extended.



8011-127

# CONTROLS

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## Fuel Tank

Underneath the tank, there is a fuel filter combined with the fuel valve. Tank capacity is 1.72 gallons (6.5 liters)

## Fueling

Read the safety instructions before fueling.

Keep the fuel and fuel tank clean. Avoid filling the machine with dirty fuel. Make sure the fuel cap is properly tightened and the gasket is not damaged, particularly before washing the machine.

Use unleaded gasoline with minimum 86 octane rating. Never use gasoline mixed with two-cycle oil. For ethanol and methanol fuel, the following applies:

Maximum allowable ethanol 10% (volume).

Maximum allowable methanol 5% (volume).

Maximum allowable MTBE (Methyl Tertiary Butyl Ether) 15% (volume).

If the engine “bolts” at normal load it can be damaged. Change the fuel. If this does not help, contact an authorized service workshop.

Do not fill the tank completely; leave space for the fuel to expand as it warms up.



### **WARNING!**

**Gasoline is highly flammable.  
Observe caution and fill the tank  
outdoors (see the safety instruction).**

## Centrifugal Clutch

The engine is equipped with a centrifugal clutch that is connected to the crankshaft. When the engine speed increases, the drive for the cutting wheel engages automatically. The centrifugal clutch is maintenance-free; it is not possible for the user to make adjustments.

The clutch should have oil added before delivery. Check oil level before first use.

## Throttle

The lever controls engine speed.

Pull the throttle handle toward the handle bar to increase engine speed.



# OPERATION

## Preparation

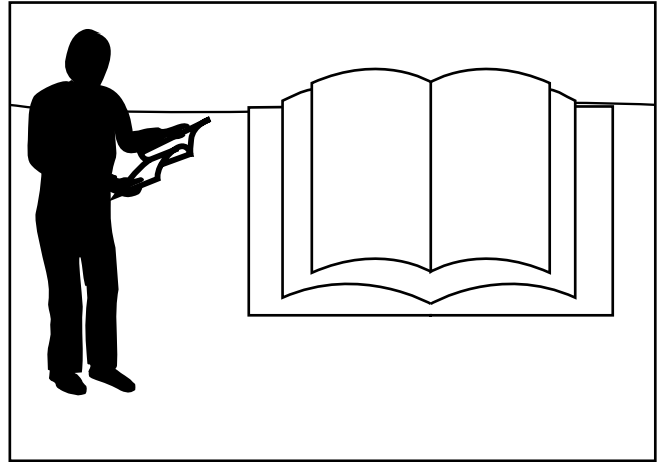
- Review all of the machine's safety decals.
- Use a hard hat and eye protection.
- Make sure that you are familiar with safety regulations and shutdown procedures described previously in the operator's manual.
- Make sure that all guards are in place and in good condition.

## Operator Tips

- To engage reverse gear you may need to rock the machine back and forth while pulling the shift lever.
- Stop before shifting gears.
- Cut going down hill slopes not across or up slope.
- End cuts by pushing the blade engagement lever down while still holding the throttle to cut the end of the sod strip as the blade rises.
- Soil conditions will effect cutting depth. Readjusting the blade depth may be required as you move from hard soil to soft or moist soil conditions.
- Do not attempt sharp turns while cutting.

It is usually not necessary to water before cutting. In extreme conditions, such as clay soil that is very compacted, a simple test as follows will determine if you need to water before cutting. Use a garden hand spade, weed tool, or even a large screwdriver to test the ground's hardness. You should be able to push the tool into the ground 2 to 3 inches with little effort. If you are unable to do so, then watering may be advisable. Watering the day before should give sufficient time for the soil to absorb the moisture. Use your hand tool to gauge the effectiveness of your watering. Allow the grass to dry before cutting to provide adequate traction for sod cutting.

- Review all of the machine's safety decals.
- Use personal safety equipment. (See **Protective Equipment** section.)
- Make sure that you are familiar with safety regulations and shutdown procedures described previously in the operator's manual.
- Make sure that all guards are in place and in good condition.
- Make sure that the blade is in place and in good condition.



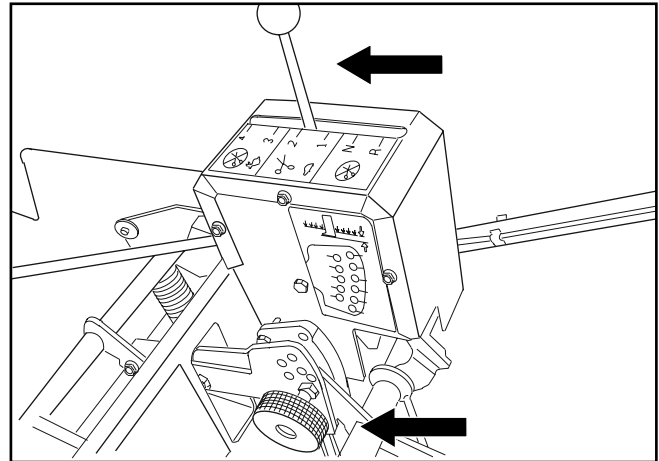
8011-193

# OPERATION

## Sod Cutter Use

Be sure engine oil is at engine manufacturer's recommended level. (Refer to engine manufacturer's manual.) Make sure centrifugal clutch case has the proper amount of oil per engine manufacturer.

1. Put the sod cutter into neutral.
2. Place blade in transport position.
3. Position the sod cutter at your starting point with the blade out of the ground.
4. Unscrew knob and thread into a desired hole for the correct depth of cut.
5. Pull the blade engagement lever up.
6. Place the shift lever in slow gear (setting #1).
7. Pull the throttle while maintaining a slight down pressure on the handlebar and cut a short distance, then stop. Put shift lever in neutral.
8. Lift the edge of the sod to check the cut depth.
9. To change the depth, push the blade engagement lever down, unlock the depth lock knob and select the appropriate hole and repeat steps 3 thru 6. 8.
10. End cuts by pushing the blade engagement lever down while holding the throttle to cut the end of the sod strip as the blade exits the ground.



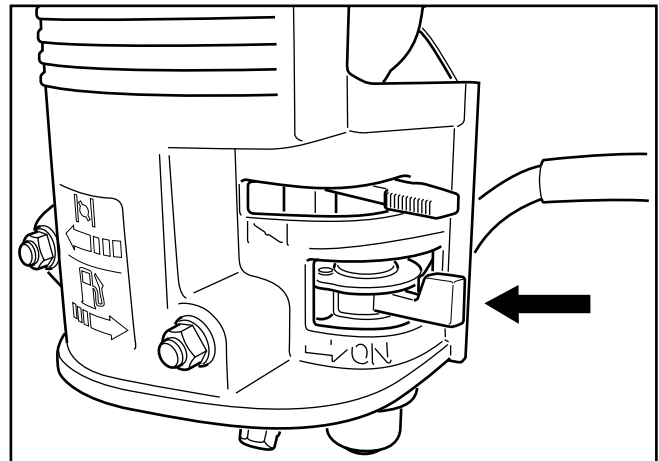
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## Starting The Engine

Check that all daily maintenance as described in the maintenance schedule has been performed. Check that there is sufficient fuel in the tank.

### Fuel valve

Open the fuel valve. Push the lever fully to the right.



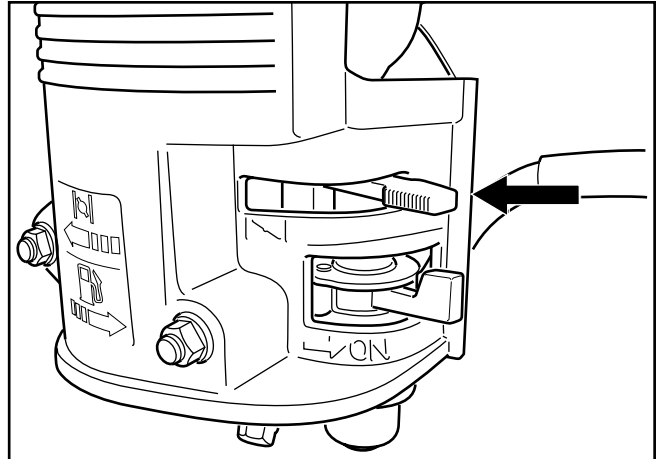
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# OPERATION

## Choke control

When starting the engine warm, the lever should be in the right position; see the illustration.

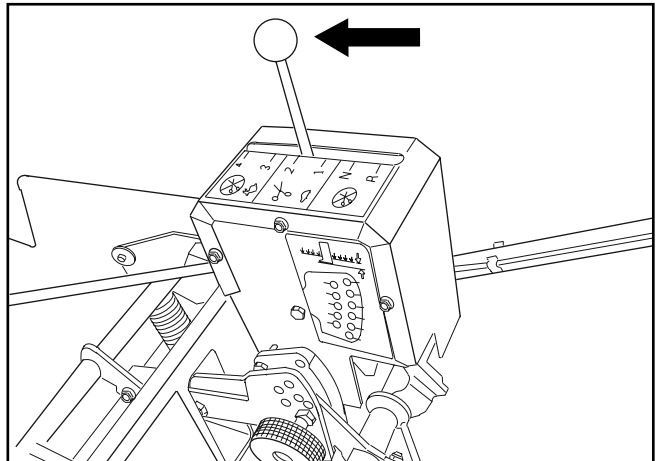
When starting the engine cold or partially warm, place the lever completely or partly to the left. Move the lever back to the right once the engine starts. When the engine is cold, it may be best to move the lever back in several stages. Find the position where the engine runs smoothly.



8060-024

## Gear Shift Lever

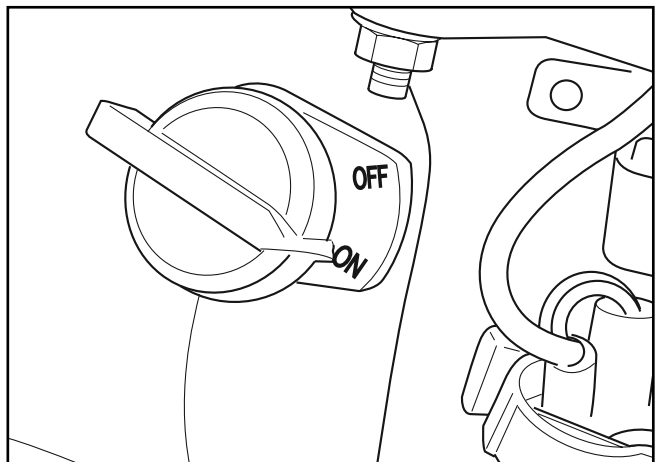
Set the gear shift to the neutral position.



8064-029

## Engine On/off Switch

Turn the engine switch to the ON position.



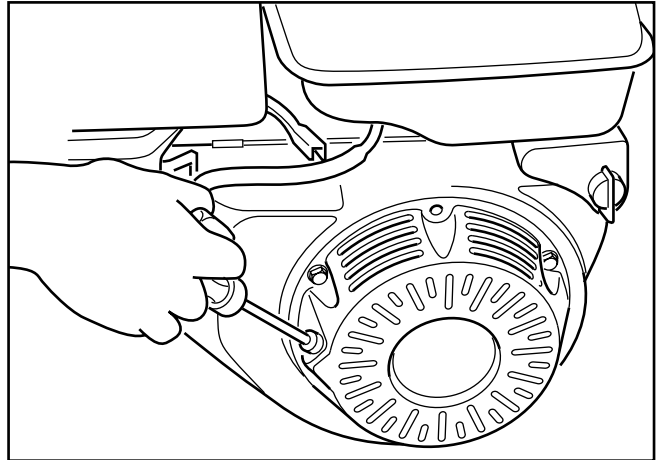
80611-071

# OPERATION

## Starter Handle

Misuse of the starter handle can damage the starter. DO NOT twist the starter cord around your hand.

Pull out the handle slowly until the gears mesh. Then give a sharp pull on the starter handle. DO NOT pull out the starter cord completely and DO NOT let go of the starter handle when extended.



8011-127

## Throttle

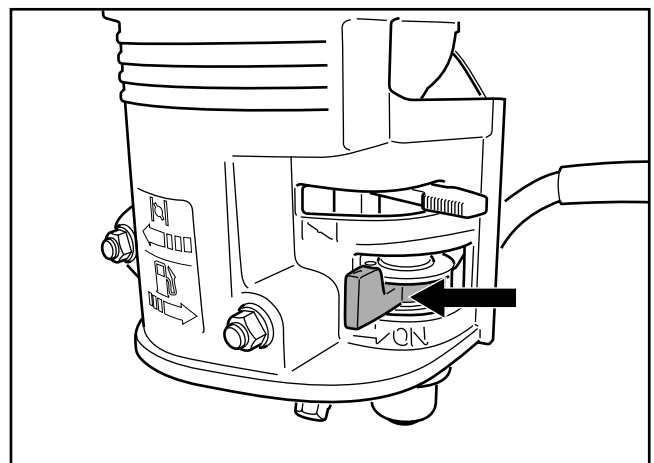
Once the engine has started, increase the engine speed with the throttle handle on the handle bars.

## Normal Throttle Shutdown

If the engine has been running at full speed, let it run easily for about 30 seconds to 1 minute at low speed.

## Fuel valve

Close the fuel valve. Turn the lever all the way to the left (see illustration)



8011-186

# OPERATION

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## Operating on Hills

Operate the machine cutting down rather than across hills. You will achieve even cutting depth, and enhance stability.

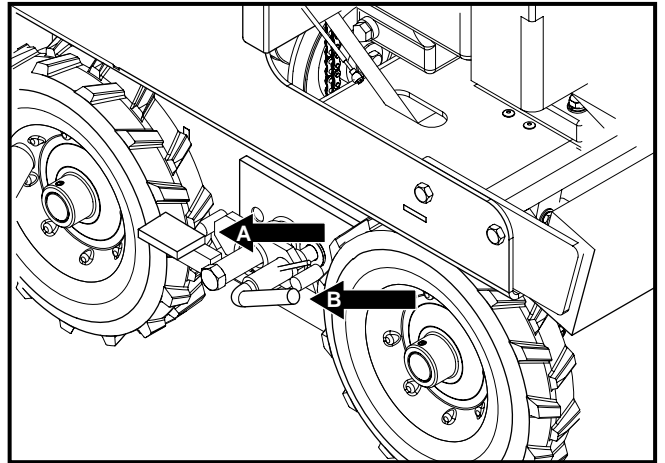
Avoid hill side turns. Back up hills in reverse gear, then cut, going down.

## Transport

- Push the blade engagement lever down
- to raise the blade.
- Select the desired gear (low gear or reverse).
- Pull the throttle while maintaining a firm grip on the handlebar.
- Load into truck or trailer by driving up ramps in low gear. **DO NOT LIFT!** This machine is not intended to be lifted by hand.

## Brake

- To set parking brake step on lever A
- To release brake pull out lever B.



8064-030

# MAINTENANCE

## Maintenance Schedule

The following is a list of maintenance procedures that **MUST** be performed on the machine. For those points not described in this manual, visit an authorized service workshop.



### WARNING!

**No service operations may be performed on the engine or unit unless:**

**The engine is stopped.**

**The ignition cable has been removed from the spark plug.**

**The machine is securely parked where it will not tip or begin rolling.**

MAINTENANCE INTERVALS - MONTHS/HRS

	Daily	-/10	1/25	3/50	6/100	12/300
<b>MAINTENANCE</b>						
Check engine oil level <sup>7)</sup>	■					
Change engine oil <sup>1, 7)</sup>			■			
Check air filter <sup>1, 7)</sup>	■					
Clean air filter <sup>1, 7)</sup>				■		
Replace air filter cartridge <sup>1, 7)</sup>						■
Check and clean spark plug <sup>7)</sup>					■	
Replace spark plug <sup>7)</sup>						■
Check engine switch function <sup>3, 7)</sup>	■					
Check idle speed <sup>7)</sup>						■
Check and adjust play in valves <sup>4)</sup>						■
Clean fuel tank <sup>4)</sup>						■
Check, replace fuel lines as necessary <sup>4, 5)</sup>						■
Check throttle and cable <sup>3)</sup>	■					
Check blade <sup>3)</sup>		■				
Check decals and warning signs <sup>3)</sup>	■					
Check wear and tension on belt <sup>3)</sup>	■					
Check chassis, bolts and set screws		■				
Clean and oil pivot points		■				
Check engine RPM (3000 RPM) <sup>7)</sup>						■

<sup>1)</sup>First change after 20 hours. <sup>2)</sup>In dusty conditions maintenance is required at shorter intervals. <sup>3)</sup>Before each use.

<sup>4)</sup>Performed by authorized service workshop. <sup>5)</sup>Performed every second year. <sup>6)</sup>Grease every 4 hours.

<sup>7)</sup>Refer to the Engine Manufacturer's Owners Manual.

# MAINTENANCE

## Drive Belt

Adjust weekly.



### WARNING!

Prevent the engine from being started by removing the ignition cable from the spark plug.

## Blade



### WARNING!

Blades are sharp. Protect your hands with gloves and/or wrap blades with a heavy cloth when handling.



For the best sod cutting results, it is important that the blade is well sharpened and not damaged.

Bent or cracked blades or blades with large nicks should be replaced.

Check the blade mounts.

### IMPORTANT INFORMATION

**The sharpening of blades should be carried out by an authorized service workshop.**

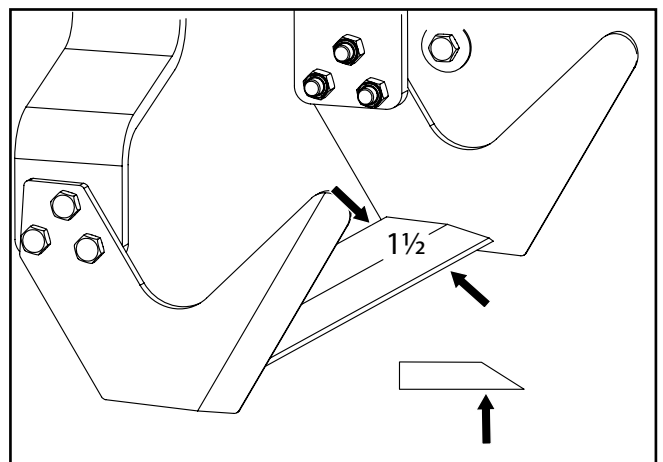
After hitting obstacles that result in a breakdown, damaged blades should be replaced.

The service workshop can decide whether the blade can be repaired/ground or must be replaced.

### Blade Wear

Sod cutter blades may wear quickly depending on soil condition. Replace blade when worn to 1½ (3.8cm) or less. Maintain lower blade surface.

Keep sides of blade sharp.

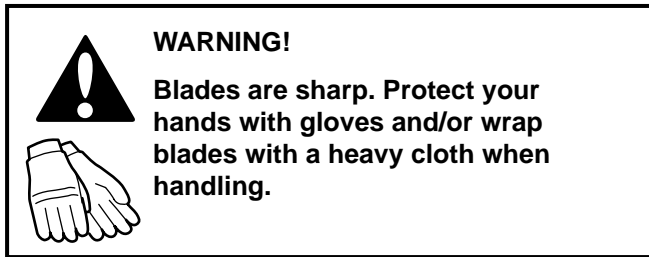


8064-030

# MAINTENANCE

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## Blade Replacement



Remove six (6) bolts securing blade to side arms  
Install new blade using new hardware provided.  
Torque hardware to 31 ft/lbs (42 Nm).

## Belt replacement

1. Remove top cover.
2. Walk belt off top pulley.
3. Remove and replace belt.

## Chain Tension Adjustment

Adjust weekly.

### Upper Chain

No adjustment is required

### Lower Chain

1. Remove chain guard
2. Tilt the sod cutter forward onto the front weight.
3. Tighten the ½" (12 mm) lock nut on the chain idler until the #40 chain flexes approximately ¼" (6 mm) at mid span.
4. Install chain guard.
5. Set sod cutter back to level.

## Chain Replacement

### Upper Chain

1. Remove drive belt.
2. Remove belt engagement spring and cable.
3. Remove chain tension spring.
4. Remove chain keeper (on engine).
5. Remove chain.

### Lower Chain

1. Disconnect the master link on the old chain and hook up the new chain to the old one.
2. Pull the free end of the old chain until the new chain is pulled through.
3. Reconnect the chain with the new master link.

## Two Minute Rule

The machine may be tipped backward or on its side to facilitate access for cleaning or service, but **no longer than 2 minutes**.

If the machine is held in this position for too long, the engine can be damaged by gasoline draining into the crankcase. Should this happen, perform an extra oil change on the engine. Remove the spark plug and turn the engine over a few revolutions with the starter handle before starting the engine again.

## Cleaning

Regular cleaning and washing will increase the machine's lifespan. Make it a habit to clean the machine directly after use, before the dirt sticks.

Check before rinsing that the fuel filler cap is properly in place to avoid getting water in the tank.

Do not spray water on the engine, avoid using a high pressure washer or steam cleaner.

Lubricate the machine after cleaning. This is particularly important if the machine is to be stored.

Once cutting blade is clean apply light coating of machine oil to prevent rust



8064-032

Pivot points, clean and oil - monthly

25

# TROUBLESHOOTING

Problem	Possible solutions
Transmission shaft broke	Ensure debris is not caught in the transmission chain or wrapped around the transmission output shaft
	Ensure the unit has a skid pan installed
	Contact your servicing dealer
Drive wheels won't engage	Ensure the drive chain is on all sprockets
	Ensure the transmission chain is on all sprockets
	Ensure the chain idler spring is attached
	Verify the shift linkage is attached at the shift lever and at the bell crank and rod end is attached at bell crank and transmission arm
	Check sprockets for proper alignment
Unit jumps out of gear	Adjust shift linkage
	Tighten shift lever pivot bolt to hold shift lever in place
Bushing on depth control assembly is wearing quickly	Bushings are wearable items
	Be sure the maximum RPM is set correctly at 3000. See Technical Bulletin - Throttle Cable Adjustment
Chain (Drive) is coming off, drive sprocket wearing	Transmission output sprocket is fixed (non adjustable) sprocket which is splined and snap-ringed in place
	Replace the tensioner sprocket if it has a bent or twisted bracket or bent teeth
	Check chain tension between axle sprockets ( $\frac{1}{4}$ " - $\frac{3}{8}$ " deflection at mid-span)
Pulleys not staying tight or coming off	Inspect shaft, pulleys and keys for damage
	Replace any damaged parts

# TROUBLESHOOTING

Problem	Possible solutions
Blade needs replacement or maintenance	Replace when worn to 1½" from the cutting edge to the back edge
	Sharpen blade from top only, maintain a flat lower blade surface
	Sharpen sides of blade from outside only
Blade doesn't move or stops cutting	If cutting deeper than 6.35 cm (2½"), pivoting the machine back on its rear wheels can cause machine to cut too deeply
	Make sure the blade is sharp
	Moisture, oil or grease on the belt will cause it to slip. Replace with a Husqvarna belt
	Tension can be increased by tightening the cable tension nut
Blade not disengaging, new unit or new belt	Run the machine with the blade engaged until the belt stretches
Blade not disengaging, new unit or new belt, used unit or old belt	It is very important that the correct Husqvarna belt is used, if not, replace with a Husqvarna belt
	Belt idler pivot bolt may be too tight or need lubrication
	Belt idler return spring may be broken or came off anchors, reattach or replace as necessary
Belt coming off	RPM may be too high, set to 3000 RPM
	Replace the belt idler pulley arm if it is bent

# TROUBLESHOOTING

Problem	Possible solutions
Belt glazed or slipping	Limit maximum depth of cut to 6.35 cm (2½")
	If the blade lift springs are worn they will allow the blade to cut too deeply, which causes the belt to slip, replace if necessary
	Be sure the maximum RPM is not over 3000
	It is very important that the correct Husqvarna belt is used, if not, replace with a Husqvarna belt
	Check to see if the tension cable is out of the pulley, install cable in pulley and squeeze bracket sides to minimize the gap to pulley
	If the gear box pulley or the engine pulley is wet, oily, or damaged, clean or replace
	Belt tension can be increased by tightening the cable tension nut
Unit is creeping	The transmission contains a centrifugal clutch and may creep if left in gear. Some creeping is normal because of the lubricant resistance between the clutch plates. Also, too heavy a lubricant in centrifugal clutch can cause creeping, use 10W - 30 oil
	Put in neutral - unit will not creep
	RPM at idle should be 1,400 (+200/-150), clutch will engage at 1,800 RPM. A high idle RPM may cause creeping
	If unit continues to creep, contact your local Husqvarna dealer or servicing dealer
Bolts breaking	The vibration of the machine may cause bolts to come loose, check and tighten all bolts periodically
Tires wearing too quickly	Tire wear is normal and to be expected
	Running the machine on excessively hard or abrasive surfaces can cause excessive wear

# STORAGE

## Winter Storage

At the end of the season, the machine should be readied for storage (or if it will not be in use for longer than 30 days). Fuel allowed to stand for long periods of time (30 days or more) can leave sticky residues that can plug the carburetor and disrupt engine function.

Fuel stabilizers are an acceptable option as regards sticky residues during storage. If alkylate gasoline (Aspen) is used, stabilizers are unnecessary because this fuel is stable. However, you should avoid switching between regular and alkylate gasoline as sensitive rubber components can harden. Add stabilizer to the fuel in the tank or in the storage container. Always use the mixing ratios specified by the manufacturer of the stabilizer. Run the engine for at least 10 minutes after adding the stabilizer so that it reaches the carburetor. **DO NOT** empty the fuel tank and the carburetor if you have added stabilizer.

## Service

When ordering spare parts, please specify the purchase year, model, type, and serial number.

Always use genuine Husqvarna parts.

An annual check-up at an authorized service workshop is a good way to ensure that your machine performs its best the following season.

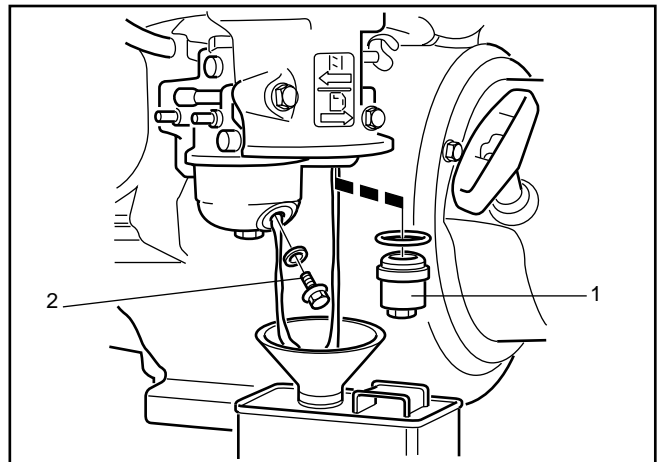
To ready the machine for storage, follow these steps:

1. Clean the machine carefully, particularly the chassis and working equipment. Touch up damage to the paint to prevent rust.
2. Inspect the machine for worn or damaged parts and tighten any nuts or screws that may have become loose.
3. Change the engine oil; dispose of properly.
4. Open the fuel valve. Empty the fuel tank (1) and the carburetor (2).
5. Close the fuel valve.
6. Remove the spark plug and pour about a tablespoon of engine oil in the cylinder. Turn over the engine so that the oil is evenly distributed and then refit the spark plug. Put the engine in the compression phase where the triangle mark on the sleeve of the starter is aligned with the upper hole in the starter. Note: Compression phase occurs every second revolution.
7. Lubricate all grease nipples, joints and cables as described in *Lubrication*.
8. Store the machine in a clean, dry place and cover it for extra protection.
9. Cover the blade and cutters with a thin coat of oil to avoid rust.

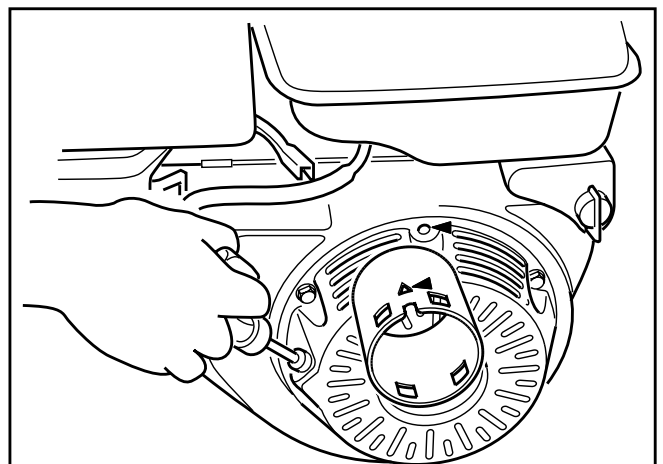


### WARNING!

**NEVER** store an engine with fuel in the tank indoors or in poorly ventilated spaces where fuel vapor can come in contact with open flame, sparks or a pilot light such as in a boiler, hot water tank, clothing drier, etc. Handle the fuel with caution. It is very flammable and careless use can cause serious damage to person and property. Drain the fuel into an approved container outdoors and far away from open flame. **NEVER** use gasoline for cleaning. Use a degreaser and warm water instead.



8011-130



8011-131

# TECHNICAL DATA

## Model SC18A CE / 968999510

Engine	Honda
Cylinder volume	163 cm <sup>3</sup> (9.9 cu in)
Power*	5.5 hp (3.8 kW) at 2900 RPM)
Torque	10.8 Nm at 2500 RPM
Idling speed	1250-1600 RPM
Spark plug	NGK BP6ES - W20EPR-U (DENSO)
Fuel tank volume	3.6 L (.95 gal.)
Tires	2.75 x 10 x 1 (semi-pneumatic)
Drive	Direct
Belt	539 00 31-06
Clutch	Centrifugal clutch
Cutting depth	6.35 cm (2½")
Cutting width	45.7 cm (18")
Length	152 cm (60")
Width	61 cm (24")
Height	91 cm (36")
Weight	145 kg (320 lb.)
Vibration A(8)	7.04 m/s <sup>2</sup>
Vibration a <sub>h<sub>v</sub>,eq</sub>	9.96 m/s <sup>2</sup>
Vibration, Standard Deviation	0.8 m/s <sup>2</sup>

\* The power rating of the engines indicated is the average net power output (at specified rpm) of a typical production engine for the engine model measured to SAE standard J1349/ISO1585. Mass production engines may differ from this value. Actual power output for the engine installed in the final machine will depend on the operating speed, environmental conditions and other variables.

# CONFORMITY CERTIFICATES

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## **USA Requirements**

Labels are placed on the engine and/or in the engine compartment stating that the machine will fulfill the requirements. This is also applicable to special requirements for any of the states, (California emission rules etc.). Do not remove any of these labels. Certificates can also be supplied with the machine at delivery or written in the Engine manual. Take care of them as they are valuable documents.

## **CE Requirements**

The Declaration of Conformity is included as an addendum to the operator instructions.

Sod Cutter

Machine complies with:

2006/42/EC

2004/106/EC

## **Business Name & Address:**

Husqvarna Turf Care

401 North Commerce

Beatrice, NE 68310 USA

# SERVICE JOURNAL

Action

Date, stamp, signature

## Delivery Service

Ensure that the machine has not been damaged in transport.

☐

Where applicable, assembly accompanying components.

☐

Check that the machine design corresponds to the customer order.

☐

Check that the right amount of oil is in the engine and transmission.

☐

Check that the working equipment is properly set.

☐

Check that the drive pulleys and sprockets are aligned.

☐

Check that belts and chains are properly adjusted.

☐

Lubricate the machine as described in the lubrication schedule.

☐

Fill the fuel tank and start the engine.

☐

Check that the machine and working equipment do not move in neutral.

☐

Check all operating instruments.

☐

Check decals and information attached to the unit.

Check the engine speed (RPM), see Technical Data.

☐

Check for leakage.

☐

Inform the customer about.

The need and advantages of following the service schedule.

☐

The need and advantages of leaving the machine for service every 300 hours.

☐

The effects of service and maintaining a service journal on the machine's resale value.

☐

Driving backward.

☐

Fill in the sales papers, etc.

Delivery service has been carried out.

No remaining notes.

Certified:

## After the first 20 hours

Change engine oil.

☐

Change oil in centrifugal clutch, where applicable.

☐

Check that belts and chains are properly adjusted.

☐

Tighten screws and nuts.

☐



## SERVICE JOURNAL

## Action

**Date, stamp, signature**

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**Original instructions**

**115 36 99-26**

**2010-04-10**