



ARIENS

LAWN EDGER

Operator's Manual Manuel du Utilisateur

Models

986101 – Edger
(SN 012000 +)

986103 – Edger
(SN 012000 +)



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WELCOME

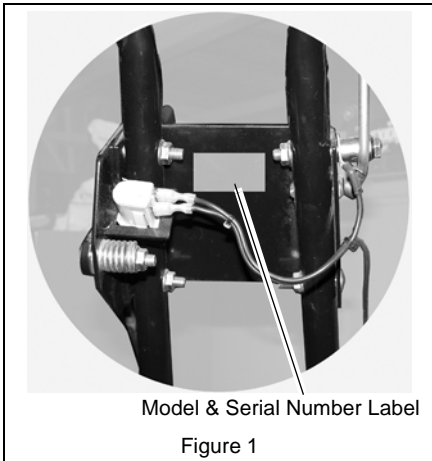
Congratulations on your purchase and welcome to the Ariens family! Every machine in the Ariens lineup is designed for long-lasting and unsurpassed performance. We are confident your machine will be part of your family for many years to come.

Have Questions or Need Assistance?
ariensstore.com • ariens.custhelp.com

A parts manual for your unit is available for free download or purchase at ariens.com.

PRODUCT REGISTRATION

You or the dealer you purchased the unit from must register the product at the time of purchase. Know the model and serial numbers of your unit and register online at ariens.com or return the registration card to Ariens Company. See Figure 1 for label location.



Record model number here.

Record serial number here.

MANUALS

Before operating or servicing the unit, carefully and completely read the manuals provided with the unit. They contain safety instructions and important information about unit controls.

The engine on this unit is covered by a separate manual. Refer to the engine manual for engine service recommendations. Contact the engine manufacturer for a replacement manual if necessary.

Your dealer must review important information in this manual with you before or upon delivery of the unit. It is your responsibility to read and understand all safety precautions and instructions in the manuals. If you do not understand or have difficulty following the instructions, contact your Ariens dealer for assistance. To locate your nearest Ariens dealer, go to ariensstore.com.

DISCLAIMER

Ariens reserves the right to discontinue, make changes to, and add improvements upon its products at any time without public notice or obligation. The descriptions and specifications contained in this manual were in effect at printing. Equipment described in this manual may be optional. Some illustrations may not be applicable to your unit.

SAFETY

Read these safety rules and follow them closely. Failure to follow these rules could lead to loss of control of unit, severe personal injury or death to you or bystanders, or result in damage to property or the machine.

PRACTICES & LAWS

Practice usual and customary safe working precautions. Learn applicable rules and laws in your area. Always follow the practices set forth in this manual.

EMISSION CONTROL SYSTEM

This equipment and/or its engine may include exhaust and evaporative emissions control system components required to meet U.S. Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB) regulations. Tampering with emission controls and components by unauthorized personnel may result in severe fines or penalties. Emission controls and components can only be adjusted by an Ariens Company dealer or an authorized engine manufacturer's service center. Contact your Ariens Company Equipment Retailer concerning emission controls and component questions.

REQUIRED OPERATOR TRAINING



Read and understand the Operator's Manual and decals on the unit. This information is for your safety and the proper use of your equipment. Failure to follow these

instructions and warnings may cause death or serious injury. If you have purchased this product from an Ariens dealer, the dealer can provide you with training.

Familiarize yourself and any other operators with all controls and the safe use of the features of this unit. If you loan, rent or sell this product to others, provide them with all manuals.

If you have any questions, please call our customer support line at 920-756-4688 or contact us at www.ariens.com. Do not use this equipment if, after reading the Operator's Manual and the on-board decals, you have any questions about the safe use of this product.



WARNING: This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the safety instructions in the manuals and on decals could result in serious injury or death.

Slopes are a major factor related to loss-of-control and tip-over accidents. Operation on all slopes requires extra caution.

Tragic accidents can occur if the operator is not alert to the presence of children. Never assume that children will remain where you last saw them.

Gasoline is extremely flammable and the vapors are explosive, handle with care.

Disengage attachment, stop unit and engine, remove key, engage parking brake, and allow moving parts to stop before leaving operator's position.

Safety Alert Symbol



These are safety alert symbols. They mean:

- ATTENTION!
- YOUR SAFETY IS INVOLVED!

When you see this symbol:

- BECOME ALERT!
- OBEY THE MESSAGE!

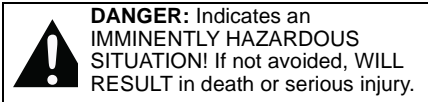


SIGNAL WORDS

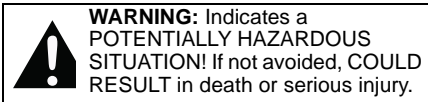
The safety alert symbols above and signal words below are used on decals and in this manual.

Read and understand all safety messages.

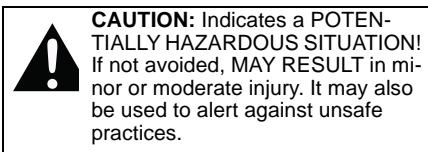
1. Danger



2. Warning



3. Caution



4. Notice

NOTICE: Indicates information or procedures that are considered important but not hazard related. If not avoided property damage could result.

5. Important

IMPORTANT: Indicates general reference information worthy of special attention.

SAFETY DECALS

This splitting machine is capable of crushing or amputating body parts. Failure to observe the following safety instructions could result in serious injury or death.

The safety decals on your machine are visual reminders of the important safety information found in this manual. All messages found on your unit must be fully understood and carefully followed. Safety decals found on the machine are explained below.

Always replace missing or damaged safety decals. Replacement decals can be found in the parts manual for your machine and ordered from your dealer.

Refer to Figure 2 for safety decal locations.




1. Safety Decal Identification



2. Danger!



3. Danger!

	Read owner/operator's manual.
	Always wear eye and hearing protection.
	Keep children and others away from unit while operating.
	Never direct discharge toward other people. Thrown objects can cause injury.
	Always keep hands away from rotating parts.
	Always keep feet away from rotating parts.

EMISSION CONTROL SYSTEM

This equipment and/or its engine may include exhaust and evaporative emissions control system components required to meet U.S. Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB) regulations. Tampering with emission controls and components by unauthorized personnel may result in severe fines or penalties. Emission controls and components can only be adjusted by an Ariens Company dealer or an authorized engine manufacturer's service center. Contact your Ariens Company equipment retailer concerning emission controls and component questions.

SAFETY RULES

Training

Read the instructions carefully. Be familiar with the controls and the proper use of the equipment.

Never allow children or people unfamiliar with these instructions to use the edger. Local regulations may restrict the age of the operator.

Never edge while people, especially children, or pets are nearby.

Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

Preparation

While edging, always wear eye and ear protection, substantial foot wear, and long trousers.

Thoroughly inspect the surface where the equipment is to be used and remove all stones, sticks, wires, bones and other foreign objects.



WARNING: Fuel is highly flammable. Take the following precautions:

1. Store fuel in containers specifically designed for this purpose.
2. Refuel outdoors only and do not smoke while refueling.
3. Add fuel before starting the engine. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot.
4. Avoid spillage: if fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have dissipated.
5. Tighten all fuel tank and container caps securely.

Replace faulty silencers.

Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.

Use only manufacturer-recommended replacement parts and accessories.

Operation

Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect. Breathing exhaust fumes can be fatal.

Edge only in daylight or in good artificial light. Always be sure of your footing on slopes.

Walk, never run.

Use extreme caution when reversing or pulling the edger toward you.

Make sure the blade has stopped before crossing surfaces other than grass and when transporting the edger to and from the area to be edged.

Never operate the edger with defective, missing or incorrectly fitted guards.

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 blade(s).

Do not tilt when starting the engine or switching on the motor, unless the edger has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator.

Do not start the engine when a bystander is standing in front of the blade(s).

Do not put hands or feet near or under rotating parts.

Always switch off the electric motor and disconnect from main or stop the fuel powered engine:

- before clearing blockages;
- before checking, cleaning or working on the blade(s);
- after striking a foreign object: inspect the blade(s) for damage and make repairs before restarting and operating the edger;
- if edger starts to vibrate abnormally (check immediately).

Stop the engine:

- whenever you leave the edger;
- before refuelling.

Reduce the throttle setting during engine run-out and, if the engine is provided with a shut-off valve, turn the fuel off at the conclusion of edging.

Maintenance and Storage

- a. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working conditions.
- b. Never store the equipment with petrol in the tank inside a building where fumes may reach an open flame or spark.
- c. Allow the engine to cool before storing in any enclosure.
- d. To reduce the fire hazard, keep the engine, silencer, battery compartment, and petrol storage area free of grass, leaves or excessive grease.
- e. Replace worn or damaged parts.
- f. If the fuel tank has to be drained, do this outdoors.
- g. Do not attempt to repair the machine unless you are competent to do so.
- h. Use only manufacturer-recommended replacement parts and accessories.

ASSEMBLY



WARNING: AVOID INJURY.
Read and understand the entire *Safety* section before proceeding.

Tools Required

- 1/2" Wrench
- Needle Nose Pliers

Unpack Unit

Remove unit and all other components from the shipping container. Push unit from container onto a level surface.

ASSEMBLE HANDLEBARS

1. Rotate handlebars into the operating position and secure with the bolts and lock nuts.
2. Connect the depth control rod to the cutting height lever and to the cutting depth adjuster with two hairpins.

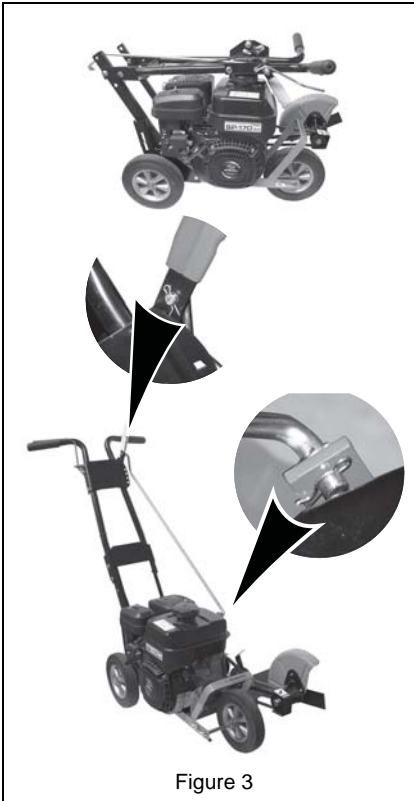


Figure 3

Check Engine Oil

1. Fill engine crankcase with oil. See engine manual.

Check Engine Fuel

1. Fill fuel tank. **DO NOT OVERFILL!** See *Check Engine Fuel* on page 6..

Check Safety Interlock System



WARNING: Safety interlock failure and improper operation of unit can result in death or serious injury. Check system before each use to make sure it is functioning properly.

See *Operator Presence Control* on page 8.

CONTROLS AND FEATURES

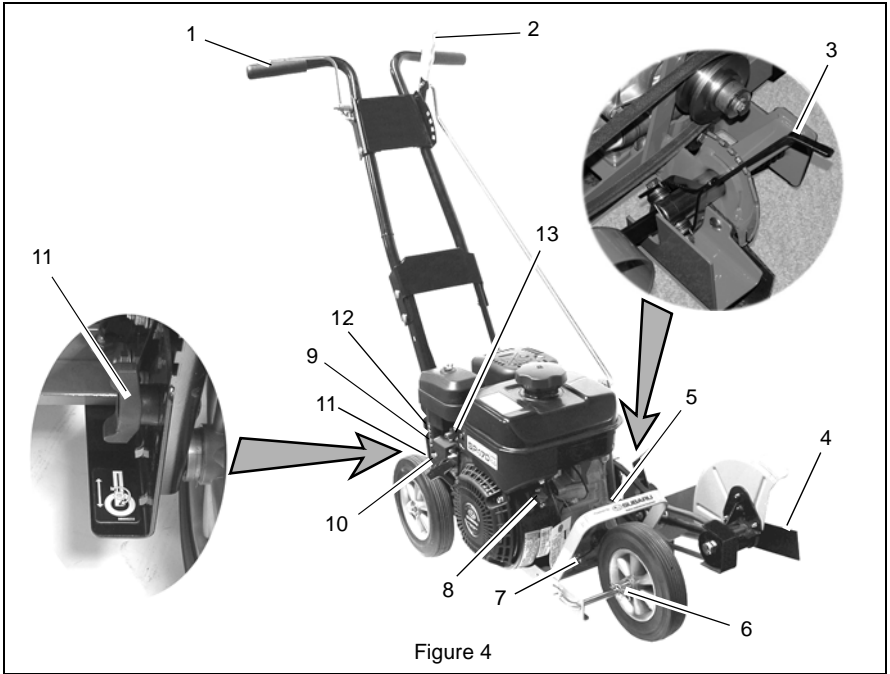


Figure 4

- | | |
|------------------------------|--------------------------------|
| 1. Operator Presence Control | 8. Engine Shut Off Switch |
| 2. Cutting Depth Adjuster | 9. Recoil Starter |
| 3. Cutting Angle Adjuster | 10. Fuel Shut Off |
| 4. Blade | 11. Rear Wheel Height Adjuster |
| 5. Oil Fill/Dipstick | 12. Choke |
| 6. Front Wheel Adjuster | 13. Throttle |
| 7. Oil Drain Plug | |

OPERATION



WARNING: AVOID INJURY.
Read and understand the entire *Safety* section before proceeding.

CONTROLS AND FEATURES

See Figure 4 for all controls and features locations.

Operator Presence Control



WARNING: Safety interlock failure and improper operation of unit can result in death or serious injury. Check system before each use to make sure it is functioning properly.

Perform the following tests to ensure the safety interlock system is working properly. If the unit does not perform as stated contact your Ariens dealer for repairs.

Engine must not start with the cutting depth adjuster out of the neutral position.

With the engine running and the blade engaged, the engine must shut off when the operator presence control lever is released.

To Test:

With the engine off, set the depth adjuster for a shallow cut. Try to start the engine without holding the operator presence control against the handlebar. The engine must not start.

With the engine running, and the blades engaged, release the operator presence control. Engine must shut off.

Cutting Depth Adjuster

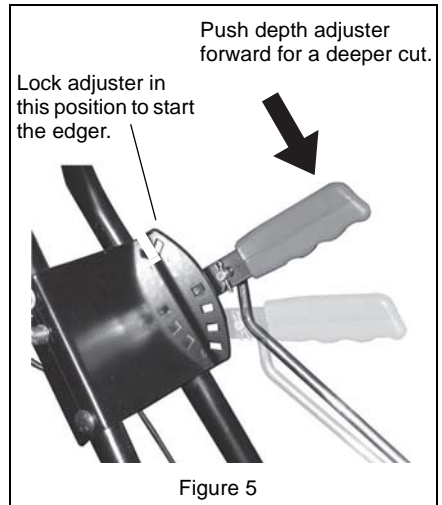
(Figure 5)

Controls how deeply the blade cuts into grass.

1. Pull the lever slightly to disengage the lock pin from the bracket and then pull the lever back to raise the cutting head and cut a shallower groove.
2. Pull the lever slightly to disengage the lock pin from the bracket and then push the lever forward to lower the head and cut more deeply.

IMPORTANT: The depth adjuster also engages and disengages the blade. It must be in the neutral position to start the engine.

NOTE: Pull the lever all the way back to raise the blades entirely when starting the unit, traveling between work areas, transporting the unit, for storage or for maintenance.



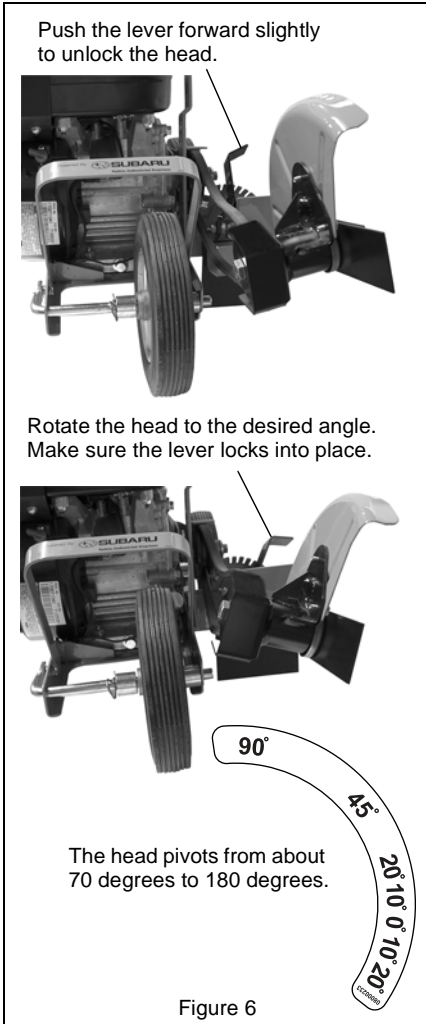
Cutting Angle Adjuster

(Figure 7)

Controls the cutting angle of the blade for decorative edging.

1. Push the lever forward to unlock the head and then rotate it left or right to set the desired edging angle.

NOTE: The head pivots from about 70 degrees to 180 degrees.



IMPORTANT: Make sure the front wheel does not contact the blade when angling the blade for a beveled edge.

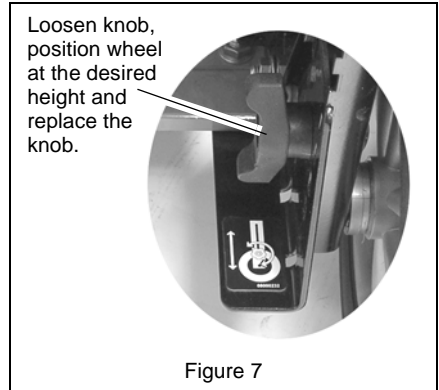
Rear Wheel Height Adjuster

(Figure 7)

Sets the rear wheel height to support the edger when working along curbs or other uneven terrain.

1. Loosen the knob and position the wheel so it supports the unit level when operating, and then securely tighten the knob.

NOTE: Set the wheel height before starting the engine or engaging the blades.



Front Wheel Adjuster

(Figure 8)

Positions the front wheel on the axle to balance the unit when working along curbs or other uneven terrain.

NOTE: Make sure the front wheel rolls on the work surface.

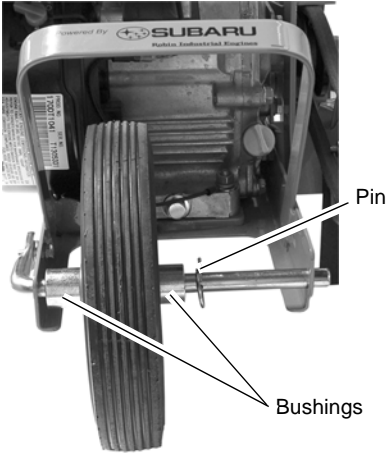
IMPORTANT: Make sure the cutting blade will not contact wheel before starting the engine.

1. With the engine shut off, remove the pin from the axle and position the front wheel on the right or left side of the axle as needed, and secure in position with the hair pin.

Position the wheel away from the blade when bevel cutting or trimming.

Position the wheel nearer the blade for edging.

Position wheel away from the blade for bevel cutting or trimming.



Position wheel nearer the blade for edging.

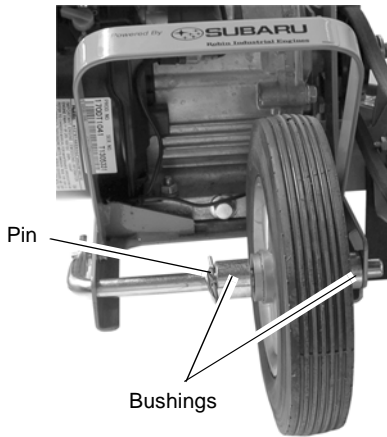


Figure 8

ENGINE CONTROLS

Throttle

(Figure 9)

Throttle controls engine speed.

1. Set the throttle to slow (turtle) to start the unit and when traveling between work areas.
2. Set the throttle to fast (rabbit) when edging.

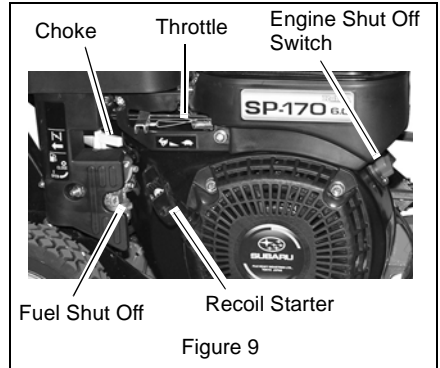


Figure 9

Choke

Controls the air-fuel mixture in the carburetor.



1. Close the choke when starting a cold engine.
2. Once the engine starts and begins to warm, open the choke for operation.

NOTE: Do not choke a warm engine.

Fuel Shut Off

1. Push the lever down to close the fuel shut off valve for transporting, servicing or storing the unit.
2. Pull the lever up to open the fuel shut off valve for operating the unit.

Engine Shut Off Switch

1. Set the engine shut off switch to the On position to start and operate the engine.
2. Set the engine shut off switch to the Off position to shut off a running engine.

Recoil Starter

Start the engine with the recoil starter.

Oil Fill/Dipstick

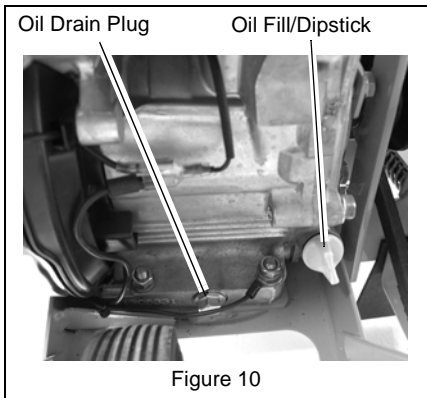
Check the engine oil level (Figure 10).

Oil Drain Plug

(Figure 10)

Oil drain plug provides a convenient location to drain oil.

1. Place a pan under the opening in the unit frame, remove the plug, remove the oil fill cap/dipstick and allow the oil to drain completely.
2. Replace the plug and then fill engine with appropriate engine oil for your conditions. See Engine Manual for types of oil and operating ranges. Do not overfill.



GASOLINE

IMPORTANT: ALWAYS use gasoline that meets the following guidelines:

- Clean, fresh gasoline.
- A minimum of 87 octane/87 AKI (91 RON). High altitude use may require a different octane. Consult your engine manual.
- Gasoline with up to 10% ethanol (gasohol) or up to 15% MTBE (methyl tertiary butyl ether) is acceptable.
- Use of any gasoline other than those approved above may void the engine warranty. If the pumps are not marked for the content of alcohol or ethers, check ethanol and MTBE levels with the fuel supplier.
- Do not modify the fuel system to use different fuels.
- Never mix oil and gasoline.

NOTE: All gasoline is not the same. If the engine experiences starting or performance problems after using a new gasoline, switch to a different fuel provider or fuel brand.

IMPORTANT: Excessively oxygenated or reformulated fuels (fuels blended with alcohols or ethers) can damage the fuel system or cause performance problems. If any undesirable operating problems occur, use a gasoline with a lower percentage of alcohol or ether.

Fuel Stabilizer

Gasoline left in the fuel system for extended periods without a stabilizer will deteriorate, resulting in gum deposits in the system. These deposits can damage the carburetor and the fuel hoses, filter and tank. Prevent deposits from forming in the fuel system during storage by adding a quality fuel stabilizer to the fuel. Follow the recommended mix ratio found on the fuel stabilizer container.

FILLING FUEL TANK



WARNING: AVOID INJURY.
Read and understand the entire *Safety* section before proceeding.

1. Clean fuel cap and surrounding area to prevent dust, dirt, and debris from entering fuel tanks.
2. Remove fuel cap.

IMPORTANT: See Engine Manual for correct type and grade of fuel. **DO NOT OVERFILL!**

3. Fill fuel tank to 3.5 cm (1 1/2") below bottom of filler neck. See *Specifications* on page 17. for capacity of fuel tank.

IMPORTANT: Use fresh unleaded fuel with an octane rating of at least 87. **DO NOT** use E85 blended fuels; the engine is not E20 / E30 / E85 compatible. The maximum recommended ethanol content is 10%. Ariens recommends using a quality fuel stabilizer in all fuel. See *Short Term Storage* on page 15..

4. Replace fuel cap and tighten.
5. ALWAYS clean up spilled fuel.

STOPPING IN AN EMERGENCY

1. Release the operator presence control lever.
2. Wait for all moving parts to stop before leaving the operator's position.

STARTING AND SHUTTING OFF ENGINE

Shutting Off the Engine

1. Stop unit.
2. Disengage blade.
3. Release the operator presence control.
4. Wait for all moving parts to stop before leaving the operator's position.
5. Turn off engine shut off switch.
6. Close the fuel shut off valve.

Starting the Engine



WARNING: AVOID INJURY.

If the cutting head is engaged, the blade will rotate when engine cranks or starts.

Always make sure the cutting head is disengaged before attempting to start the unit.

IMPORTANT: Let the engine warm up several seconds to several minutes depending on outside temperature.

1. Make sure the cutting head is disengaged.
2. Turn on the engine shut off switch.
3. Open the fuel shut off valve.
4. Set the choke to the closed position and the throttle to the fast position.
5. Slowly pull the recoil starter until engine compression makes pulling difficult. Let the starter rewind a little, and then pull smoothly and quickly to start the engine. Repeat as needed.
6. Close the choke when the engine starts and set the throttle to full fast before operating the unit.

OPERATING EDGER

1. Set the rear wheel to the appropriate height and the front wheel to appropriate location on the axle for the job.
2. Set the blade angle required for the job.
3. Start the engine with the cutting head in the disengaged (fully raised) position.
4. Slowly lower the cutting head into the turf and lock it in the desired depth.
5. Walk forward slowly and follow the desired cutting path.
6. Raise the cutting head all the way up at the end of the path.

7. Stop engine and wait for all moving parts to stop when traveling between work areas or resetting the wheel height and position.

TRANSPORT DE LA MACHINE

ALWAYS shut off engine, and close fuel shut-off valve or drain fuel when transporting unit on a truck or trailer. Tie unit down securely. Do not tie down by linkages, guards, cables or other parts that may be damaged.

FOR BEST PERFORMANCE

Whenever possible keep the wheels on a hard, flat surface.

Edge thawed ground. Frozen or rocky ground can damage blade.

Dry, hard surfaces will raise a lot of dust.

When possible edge ground that is moist but not muddy or saturated.

MAINTENANCE SCHEDULE



WARNING: AVOID INJURY.
Read and understand the entire *Safety* section before proceeding.

IMPORTANT: Proper maintenance can prolong the life of unit. The following chart shows the recommended service schedule. Refer to the maintenance instructions in the Engine Manual for additional information.

Interval	Task	Action
Each Use	Check Safety Interlock System	WARNING: Safety interlock system failure and improper operation of unit can result in death or serious injury. Test this system each time the unit is operated. If this system does not function as described, do not operate until repairs are made. See <i>Operator Presence Control</i> on page 8..
	Clean Unit	Remove all dirt, grease, leaves, etc.
	Check Tires	Make sure the tires are positioned correctly for the intended job and are securely fastened. See <i>Make sure the front wheel does not contact the blade when angling the blade for a beveled edge.</i> on page 9. and <i>Front Wheel Adjuster</i> on page 9.
	Check Edger Blade and Mounting Hardware	Make sure the blade is free of nicks, broken ends, thinned metal or other damage. Make sure the hardware is tightened to 40.7 – 84.0 N•m (30 – 62 lb-ft.) See <i>Blade Change</i> on page 14.
	Check Guards and Mounting Hardware	Make sure all guards are securely fastened and are in good repair.
	Check Engine Oil Level	Check the engine oil level according to instructions provided in the engine owner's manual.
50 Hours or Every Season	Check Engine Air Filter	Check the engine air filter for dirt and debris according to instructions provided in the engine owner's manual. Clean or replace as needed.
	Lubrication	Apply a light oil to the pivot shaft and all sliding joints, to the front axle shaft and to the wheel bushings. Change engine oil according to instruction provided in the engine owner's manual.
50 Hours or Every Season	Check Belt	Check the belt for cuts, nicks or abrasions. Replace worn or damaged belts. See <i>Belt Change</i> on page 14..
	Check Spindle Bearings	Check the spindle bearings for wear or damage. Replace as needed.

SERVICE & ADJUSTMENTS



WARNING: AVOID INJURY.
Read and understand the entire Safety section before proceeding.

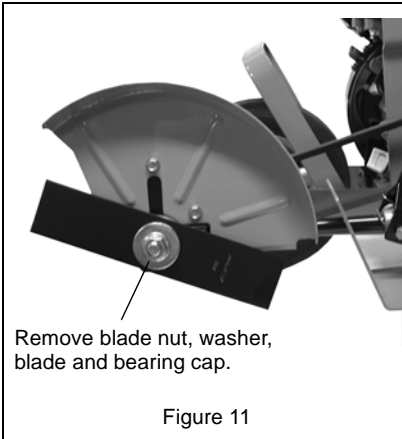
Blade Change

(Figure 11)



WARNING: Blades are sharp and can cut you. Wear sturdy gloves warning

1. Stop engine, wait for all moving parts to stop and hot parts to cool. Make sure the engine shut off switch is in the off position.
2. Block the blade with a wooden block.
3. Remove the mounting hardware and blade from the unit.
4. Install the new blade with the original mounting hardware, and tighten the lock nut to 40.7 – 84.0 N•m (30 – 62 lb-ft.).



Belt Change

(Figure 12 & 13)

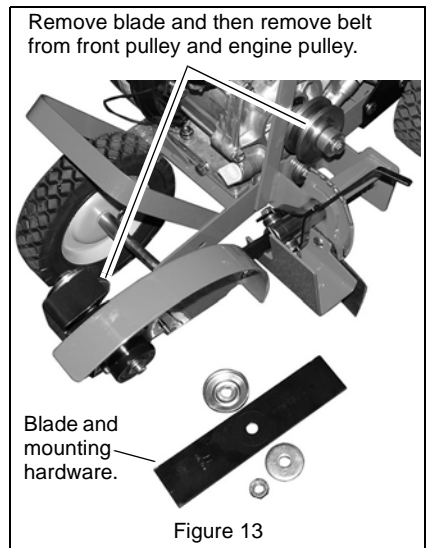
1. Stop engine, wait for all moving parts to stop and hot parts to cool. Make sure the engine shut off switch is in the off position.
2. Raise the cutting head all the way up.
3. Remove the belt finger from the engine.
4. Remove the blade and mounting hardware.



5. Remove the belt from the front (cutter) pulley and from the engine pulley.

NOTE: The belt is spring-loaded. Push the cutter head back towards the engine to slacken and remove belt.

6. Install a new belt on the engine pulley and on the front pulley. Make sure there are no twists or kinks in the belt.



7. Replace the blade and mounting hardware and tighten the blade mounting hardware to 40.7 – 84.0 N•m (30 – 62 lb-ft.).
8. Replace the belt finger.

Oil Change

NOTE: Follow instructions provided in the engine owner's manual.

1. Stop engine, wait for all moving parts to stop and hot parts to cool. Make sure the engine shut off switch is in the off position.
2. Place an appropriate pan under the oil drain opening, and remove oil drain plug from engine.
3. After all oil has drained, replace the drain plug.
4. Fill engine with appropriate engine oil for your conditions. See Engine Manual for types of oil and operating ranges. Do not overfill.

STORAGE

Short Term Storage

IMPORTANT: NEVER clean unit with high-pressure water or store unit outdoors.

Remove all dirt, grease, leaves, etc. Store in a clean dry area.

Inspect unit for signs of wear or damage. Ensure all fasteners are properly tightened.

Long Term Storage

Follow all instructions under *Short Term Storage*.

Store in a clean dry area.

Drain fuel from fuel tank.

Refer to Engine Manual for the proper engine storage procedures.

Touch up all scratched or chipped paint surfaces.

Fuel System

Gasoline left in the fuel system for extended periods without a stabilizer will deteriorate, resulting in gum deposits in the system. These deposits can damage the carburetor and the fuel hoses, filter and tank. Prevent deposits from forming in the fuel system during storage by adding a quality fuel stabilizer to the fuel. Follow the recommended mix ratio found on the fuel stabilizer container.

To treat the fuel system for storage:

1. Add fuel stabilizer according to manufacturer's instructions.
2. Run engine for at least 10 minutes after adding stabilizer to allow it to reach the carburetor.

NEVER store the engine with fuel in the fuel tank inside of a building with potential sources of ignition.

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTION
Engine Won't Start	<ol style="list-style-type: none"> 1. Engine start switch turned off. 2. Fuel tank empty. 3. Blade engaged. 	<ol style="list-style-type: none"> 1. Turn switch on. See <i>Starting the Engine</i> on page 12. 2. Fill engine with appropriate fuel. See engine owner's manual for fuel type and capacity. 3. The cutting depth adjuster is out of the neutral position. See <i>Cutting Depth Adjuster</i> on page 8..
Blade Won't Rotate	<ol style="list-style-type: none"> 1. Loose or damaged belt. 2. Seized bearings. 3. Sliding shaft seized. 	<ol style="list-style-type: none"> 1. Replace belt. 2. Replace blade bearings. 3. Lubricate the sliding pivot shaft.
Wheels Squeak	<ol style="list-style-type: none"> 1. Bushings dry. 	<ol style="list-style-type: none"> 1. Lubricate the wheel bushings with a light oil.
Front Wheel Does Not Slide	<ol style="list-style-type: none"> 1. Front wheel bushings dry. 	<ol style="list-style-type: none"> 1. Lubricate the wheel bushings with a light oil.

SERVICE PARTS

See your authorized Ariens dealer for Genuine OEM service parts.

Part No.	Qty	Description
03789800	1	Blade
07200507	1	Belt
20020001	1	Spark Plug
20020002	1	Air Filter
04730400 04742500	1	Fuel Stabilizer – 118 ml (4 oz) (Except Canada) For Canada Only
07100827	1	Front/Rear Wheel

SPECIFICATIONS

Model	986101	986103
Description	Edger	
Engine	Subaru OHC SP170	LCT
Displacement – cm³ (in³)	169 (10)	136
Fuel Capacity – L (gal.)	3.4 (.90)	2.7 (.71)
Engine Oil – L (oz.)	0.60 (20) See Engine Manual for Type	
Blade	9" Blade	
Cutting Positions	4	
Cutting Angle	70 – 180 degrees	
Length – cm (in.)	113.7 (44.75)	
Width – cm (in.)	50.2 (19.75)	
Height – cm (in.)	96.5 (38.0)	
Weight – kg (lbs)	32.7 (72.0)	



Sno-Thro[®], Sno-Tek[®] and Chore Performing Equipment Limited Warranty

Ariens Company (Ariens) warrants to the **original purchaser** that Ariens, Gravely, Parker, and Countax brand chore performing equipment (including Sno-Thro[®] and Sno-Tek[®] equipment) purchased on or after 1/1/2016 will be free from defects in material and workmanship for the time period noted in the chart below. Equipment put to personal use around a single household or residence is considered "Consumer Use"; equipment put to any business use (agricultural, commercial, or industrial) or used at multiple locations is considered "Commercial Use." If any product is rented or leased, then the duration of these warranties shall be 90 days after the date of purchase.

An authorized Ariens dealer (Ariens brand products), Gravely dealer (Gravely brand products), Parker dealer (Parker brand products), or Countax dealer (Countax brand products) will repair any defect in material or workmanship, and repair or replace any defective part, subject to the conditions, limitations and exclusions set forth herein. Such repair or replacement will be free of charge (labor and parts) to the original purchaser except as noted below.

Warranty Code	Product Group	Warranty Period Consumer Use	Warranty Period Commercial Use
PA	Log Splitters, Brushes, String Trimmers, Edgers	3 Years	90 Days
PB	Professional Powered Brushes	3 Years	1 Year
PC	Tillers	2 Years	90 Days
PD	Vacuums, Blowers, Sweepers, Truck Loaders, Lawn Rakes, Sprayers, Aerators, etc.	1 Year	1 Year
PE	Pressure Washer, Generators	3 Years	1 Year
SA	Professional Sno-Thro [®]	3 Years	1 Year
SB	Compact, Deluxe, Platinum, AMP [™] Sno-Thro [®] , Path-Pro [®]	3 Years	90 Days
SC	Sno-Tek [®]	2 Years	90 Days
SD	EFI Sno-Thro [®]	3 Years	90 Days
UA	Utility Vehicles	1 Year	1 Year
N/A	Service (Replacement) Parts	90 Days (no labor)	90 Days (no labor)

Special Extensions

The chart below details special extensions to this warranty:

Warranty Code	Warranty Exception	Warranty Period	Use	Detail
SA	Cast Iron Auger Gear Case	5 Years	All	5 Years for all users including Commercial
SB, SD	Cast Iron Auger Gear Case	5 Years	Consumer	5 Years for Consumer use; 1 Year for Commercial Use
SB	Batteries for AMP [™] Sno-Thro [®]	2 Years	Consumer	100% first year; prorated second year.

Exceptions and Limitations

The chart below details special exceptions to this warranty:

Warranty Code	Warranty Exception	Warranty Period	Use	Detail
All (Exc. SB)	Batteries	1 Year	All	Prorated
All	Belts, Muffler, Tires	None	Commercial	These components are not covered when used commercially.
All	Cloth, Plastic, and Rubber Components (Including Belts and Cables)	Maximum 2 Years	All	Warranty is limited to 2 years for consumer use. (1 year for warranty code "PD".) Except as noted above, these components are covered for defect, not for wear.
SA, SB, SC, SD	Idlers	Maximum 2 Years	All	Warranty is limited on idlers to 2 years for consumer use.
All	Engines	See Engine Manufacturer's Warranty	All	Engines are covered by engine manufacturer's warranty. Refer to engine manufacturer's warranty statement.

Customer Responsibilities

Register the product immediately at the time of sale. If the dealer does not register the product, the customer must complete the product registration card in the literature package and return it to Ariens Company, or register the unit online at www.ariens.com, www.gravely.com, www.countax.com or www.parkersweeper.com.

To obtain warranty service, the **original purchaser** must:

- Perform the maintenance and adjustments explained in the Owner's Manual.
- Promptly notify Ariens or an authorized Ariens, Gravely, Parker or Countax service representative of the need for warranty service.
- Transport the product to and from the place of warranty service at owner's expense.
- Have the warranty service performed by an authorized Ariens, Gravely, Parker or Countax service representative.

To Find an Authorized Service Representative:

In the U.S. and Canada:		
Use the dealer locator on our websites: www.ariens.com • www.gravely.com		
Or contact us by mail or by phone:		
In the U.S., Canada, Mexico, Caribbean, Central and South America:	In Europe, Asia, Africa or the Middle East:	In Australia or New Zealand:
Ariens Company 655 W. Ryan Street Brillion, WI 54110 Phone: (920) 756 - 4688 www.ariens.com	Ariens Company Limited Great Haseley, Oxford OX44 7PF United Kingdom Phone: +44 800 597 7777 www.countax.co.uk	Allpower Industries Pty Ltd 128 Bridge Rd Keysborough VIC 3173 Australia Phone: +61 1800 333 428 www.allpower.com.au

Exclusions – Items Not Covered by This Warranty

- Parts that are not genuine Ariens, Gravely, Parker or Countax service parts are not covered by this warranty and may void the warranty.
- Damages resulting from the installation or use of any part, accessory, or attachment which is not approved by the Ariens Company for use with product(s) identified herein are not covered by this warranty.
- The following maintenance, service and replacement items are not covered by this warranty unless they are noted in the Limitations section above: lubricants, spark plugs, oil, oil filters, air filters, fuel filters, brake linings, brake arms, brake shoes, skid shoes, scraper blades, shear bolts, mower blades, mower vanes, brushes, headlights, light bulbs, knives, cutters, and single-stage impellers.
- Any misuse, alteration, improper assembly, improper adjustment, neglect, or accident which requires repair is not covered by this warranty.
- **Use of gasoline blends exceeding 10% ethanol voids any and all warranties.**
- Products are designed to the specifications in the area that the product was originally distributed. Different areas may have significantly different legal and design requirements. This warranty is limited to the requirements in the area in which the unit was originally distributed. Ariens Company does not warrant this product to the requirements of any other area. Warranty service is limited to service within the area originally distributed.
- In countries other than the United States and Canada, contact the Ariens Company dealer for warranty policies that govern within your country. Rights may vary from country to country and within any one country.
- Normal Wear: This warranty does not cover repair when normal use has exhausted the useful life of a part such as a high pressure hose, spray wand, nozzles, trigger handle, supply hoses, quick couplers, gaskets, valves, pistons, pump valve assemblies, o-rings, water and oil seals.

Special Exclusions on Utility Vehicles

The following uses void the warranty terms on Utility Vehicles (Warranty Code UA):

- Renting or leasing the utility vehicle.
- Using the utility vehicle to tow or carry loads in excess of the limits specified in the Owner/Operator Manual.
- Modifying the utility vehicle with parts and accessories that are not genuine or authorized Ariens or Gravely parts or accessories.
- Modifying the utility vehicle without express written authorization from Ariens Company.
- Operating the utility vehicle when it has not been completely and properly assembled and pre-delivered by an authorized Gravely dealer.

Disclaimer

Ariens Company may from time to time change the design of its products. Nothing contained in this warranty shall be construed as obligating Ariens Company to incorporate such design changes into previously manufactured products, nor shall such changes be construed as an admission that previous designs were defective.

LIMITATION OF REMEDY AND DAMAGES

Ariens Company's liability under this warranty, and under any implied warranty that may exist, is limited to repair of any defect in workmanship, and repair or replacement of any defective part. Ariens Company shall not be liable for incidental, special, or consequential damages (including lost profits). Some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

AUSTRALIAN CONSUMER LAW

The following applies solely to warranties subject to Subsection 102(1) of the Australian Consumer Law: Our goods come with guarantees that cannot be excluded by the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

DISCLAIMER OF FURTHER WARRANTY

Ariens Company makes no warranty, express or implied, other than what is expressly made in this warranty. If the law of your state provides that an implied warranty of merchantability, or an implied warranty of fitness for particular purpose, or any other implied warranty, applies to Ariens Company, then any such implied warranty is limited to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

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



ARIENS

655 West Ryan Street
Brillion, WI 54110

ariensstore.com
ariens.custhelp.com



parts.ariens.com

WARNING

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

An *Ariens* Company Brand

