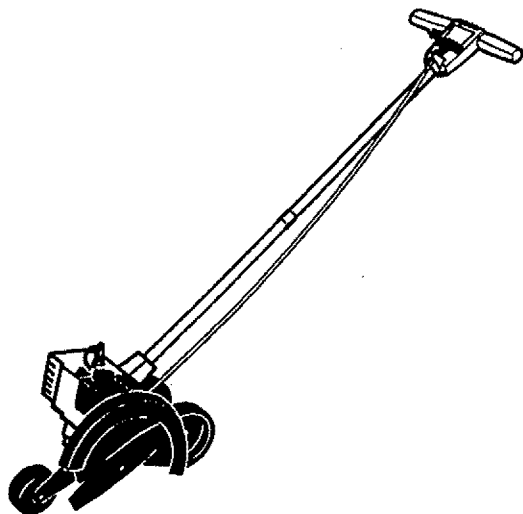


Operator's Manual

CRAFTSMAN®

24cc 2-Cycle
GASOLINE EDGER

Model No.
358.797750



WARNING:

Read and follow all Safety Rules and Operating Instructions before first use of this product.



For answers to your questions about this product, call 7 a.m.–7 p.m., Mon–Sat; Sun, 10 a.m.–7 p.m.

1-800-235-5878

Sears, Roebuck and Co., Hoffman Estates, IL 60179 USA

530-084654 03/13/97

SAFETY

ASSEMBLY

OPERATION

MAINTENANCE

PARTS LIST

ESPAÑOL

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WARRANTY STATEMENT

FULL ONE YEAR WARRANTY ON CRAFTSMAN EDGER

For one year from the date of purchase, when this CRAFTSMAN EDGER is maintained, lubricated, and tuned up according to the instructions in the operator's manual, Sears will repair, free of charge, any defect in material or workmanship. If this Edger is used for commercial purposes, this warranty applies for only 90 days from the date of purchase.

If this Edger is used for rental purposes, this warranty applies for only 30 days from the date of purchase.

THIS WARRANTY DOES NOT COVER:

Expendable items which become worn during normal use, such as rotary and/or edger blades, blade guides, blade adaptors, air cleaners, spark plugs, tire chains, and shear pins.

Repairs necessary because of operator abuse or negligence, including bent crankshafts and the failure to maintain the equipment according to the instructions contained in the operator's manual.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE CRAFTSMAN EDGER TO THE NEAREST SEARS SERVICE CENTER IN THE UNITED STATES.

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

Sears, Roebuck and Co. D/817WA Hoffman Estates, IL 60179

SAFETY RULES

OPERATOR SAFETY

- Dress properly. Always wear safety glasses or similar eye protection when operating, or performing maintenance on your unit. (Safety glasses are available.) Always wear face or dust mask if operation is dusty. Always wear heavy, long pants, long sleeves, boots, and gloves. Do not go barefoot or wear sandals.
- Secure hair above shoulder length. Secure or remove loose clothing and jewelry or clothing with loosely hanging ties, straps, tassels, etc. They can be caught in moving parts.
- Being fully covered also helps protect you from debris and pieces of toxic plants thrown by spinning blade.
- Stay Alert. Do not operate unit when you are tired, ill, or under influence of alcohol, drugs, or medication. Watch what you are doing; use common sense.

- Wear hearing protection when using this unit.
- Never start or run the unit inside a closed room or building. Breathing exhaust fumes can kill.
- Keep handles free of oil and fuel.
- Always use the handle.

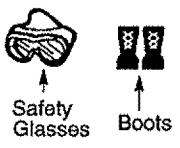
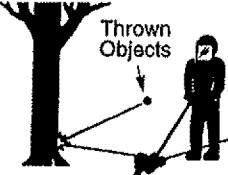
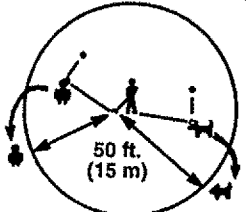



UNIT SAFETY

- Inspect entire unit before each use. Replace damaged parts. Check for fuel leaks. Make sure all fasteners are in place and securely fastened.
- Maintain the unit according to recommended procedures.
- Throw away blades that are bent, warped, cracked, broken, or damaged in any other way. Replace parts that are cracked, chipped, or damaged before using the unit.
- Use only Craftsman replacement blades. Never use wire, rope, string etc.

- Use only recommended Craftsman parts and accessories.
- Disconnect the spark plug before performing maintenance (except for carburetor adjustments).
- Be sure the blade stops turning when the engine idles. See "Carburetor Adjustments."
- Remove the blade before making carburetor adjustments. Hold the unit by

- hand. Do not make carburetor adjustments from the blade side of the unit.
- Keep others away when making carburetor adjustments.
- Never start the unit with the gearbox removed. The clutch can fly off and cause serious injury.
- Have all maintenance and service not explained in this manual performed by an Authorized Service Dealer.



 <p>Safety Glasses</p> <p>Boots</p>  <p>Thrown Objects</p>	<p>⚠ WARNING</p> <p>Blade can throw objects violently.</p> <ul style="list-style-type: none"> • You can be blinded or injured. • Wear safety glasses.
 <p>50 ft. (15 m)</p>	<p>⚠ WARNING</p> <p>Hazard zone for thrown objects</p> <ul style="list-style-type: none"> • Blade can throw objects violently. • Others can be blinded or injured. • Keep people and animals 50 feet (15 m) away.
<p>Blade rotates momentarily after the trigger is released.</p> 	<p>Allow blade to stop before removing it from the cut.</p>  <p>⚠ WARNING</p> <p>Blade rotates momentarily after the trigger is released.</p> <ul style="list-style-type: none"> • The blade can seriously cut you or others. • Allow blade to stop before removing it from the cut.
 <p>Operator's Manual</p> <p>Safety Labels</p>	<p>⚠ WARNING</p> <p>Read Operator's Manual.</p> <ul style="list-style-type: none"> • Follow all warnings and instructions. • Failure to do so can result in serious injury.

EDGING SAFETY

- Inspect the area to be edged before each use. Remove objects (rocks, broken glass, nails, wire, string, etc.) which can be thrown by the blade or can wrap around the shaft.
- Keep others including children, animals, bystanders, and helpers at least 50 feet (15 meters) away. Stop the unit immediately if you are approached.
- Hold the unit firmly with both hands.
- Keep firm footing and balance. Do not overreach.
- Always keep the wheels in contact with the ground.

- Keep all parts of your body away from the blade and muffler.
- Always push the unit slowly over the ground. Stay alert for uneven sidewalks, holes in the terrain, large roots, etc.
- Use only for jobs explained in this manual.

FUEL SAFETY

- Mix and pour fuel outdoors and where there are no sparks or flames.
- Use a container approved for fuel.
- Do not smoke or allow smoking near fuel or the unit; do not smoke while using the unit.

- Wipe up all fuel spills before starting unit.
- Move at least 10 feet (3 meters) away from fueling site before starting unit.
- Stop engine and allow unit to cool before removing the fuel cap.
- Do not store the unit with fuel in the fuel tank; use up fuel left in the carburetor and fuel lines by starting the unit and letting it run until it stops.
- Store unit and fuel in an area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc.

TRANSPORTING & STORAGE

- Stop unit before leaving work area.
- Allow unit to cool, run fuel out of the fuel tank, and secure the unit before storing or transporting it in a vehicle.
- Before storing, use up fuel left in the carburetor by starting the unit and letting it run until it stops. Always allow the unit to cool before storage.
- Store unit and fuel in an area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc.
- Store unit so the blade cannot accidentally cause injury.

- Store unit out of reach of children.
- If situations occur which are not covered in this manual, use care and good judgment. If you need assistance, contact your nearest Sears Service Center or call the 1-800 number listed on the back page of this manual.

SAFETY NOTICE: Exposure to vibrations through prolonged use of gasoline powered hand units could cause blood vessel or nerve damage in the fingers, hands, and joints of people prone to circulation disorders or abnormal swellings. Prolonged use in cold weather has been linked to blood vessel damage in otherwise healthy people. If symptoms occur such as numbness, pain, loss of strength, change in skin color or texture, or loss of feeling in the fingers, hands, or joints, discontinue the use of this unit and seek medical attention. An anti-vibration system does not guarantee the avoidance of these problems. Users who operate power tools on a continual and regular basis must monitor closely their physical condition and the condition of this unit.

SAVE THESE INSTRUCTIONS

ASSEMBLY

CARTON CONTENTS

Model 358.797750

Edger

Screws

Locknuts

Tube

Cable Clamp

Hex Wrench

Container of Oil

Examine parts for damage. Do not use damaged parts.

NOTE: If you need assistance or find parts missing or damaged, call the 1-800 number found on the front page of this manual.

ASSEMBLY

WARNING: If received assembled, repeat all steps to ensure your unit is properly assembled and all fasteners are secure.

This Operator's Manual has been developed to help you assemble the unit and to provide its safe operation. It is important that you read the entire manual to become familiar with the unit *before* you begin assembly.

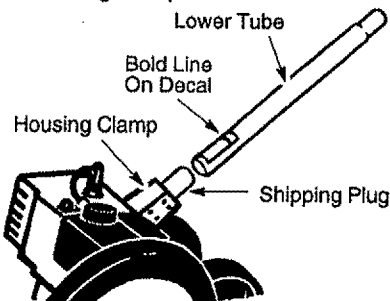
Read your Operator's Manual.

Tools you will need:

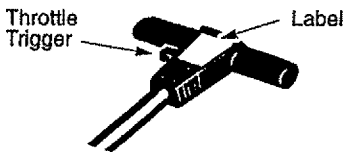
- Screwdriver
- Adjustable Wrench
- Hex Wrench (provided)

TUBE ASSEMBLY

- Loosen screws in the housing clamp.
- Remove and discard shipping plug.
- Align the groove in the lower tube with the ridge in the housing; insert the tube into the housing. **FIRMLY PUSH LOWER TUBE INTO HOUSING UNTIL THE BOLD LINE ON THE DECAL IS NOT VISIBLE** (about 2-1/4 inches).
- Securely tighten the screws in the housing clamp.

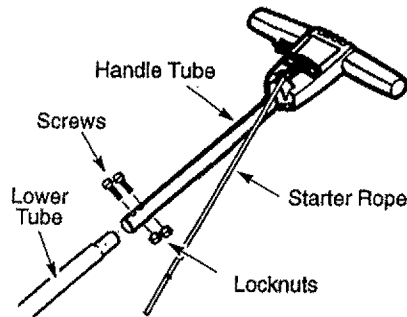


NOTE: When performing the following step, be sure the handle is aligned as follows: label on top, throttle trigger to the operator's right hand side. *The starter rope and throttle cable must not wrap around the tube.*



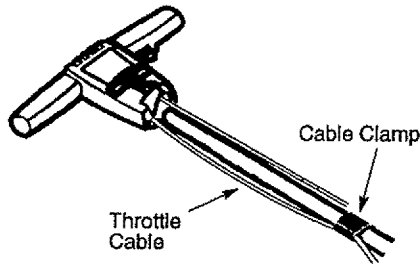
- Assemble handle tube to the lower tube (it will be necessary to pull some of the starter rope out of the housing).

- Align the screw holes; insert the screws through the aligned holes.
- Thread one locknut onto each screw and tighten securely.



NOTE: When performing the following step, be sure the starter rope is not caught under the cable clamp. The starter rope must hang freely to operate properly.

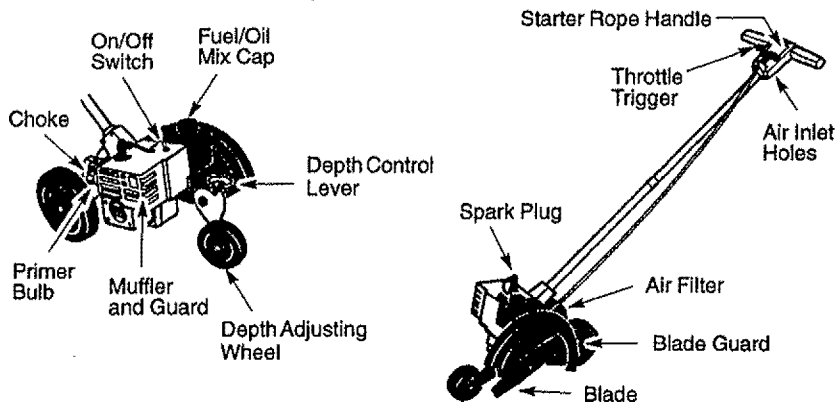
- Align the cable clamp between the tube screws. Install the cable clamp around the tube and throttle cable.



OPERATION

KNOW YOUR EDGER

READ THIS OPERATOR'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR UNIT. Compare the illustrations to your unit to familiarize yourself with the location of the various controls and adjustments. Save this manual for future reference.



The ON/OFF SWITCH is used to select the ON or OFF position.

The STARTER ROPE HANDLE is used for starting the engine.

The CHOKE provides additional fuel to the engine when starting a cold or re-fueled engine.

The PRIMER BULB circulates fuel to the carburetor. Activate the primer bulb by pressing it fully.

The THROTTLE TRIGGER controls en-

gine speed. It is designed to be activated by the right hand.

The BLADE is designed to cut sod.

The DEPTH ADJUSTING WHEEL removes the blade from the cut when the unit is not in use.

The DEPTH CONTROL LEVER regulates the cutting depth. Move the lever forward for full depth edging, rearward for half depth edging.

BEFORE STARTING ENGINE

WARNING: Be sure to read the fuel information in the safety rules before you begin. If you do not understand the safety rules, do not attempt to fuel your unit. Call 1-800-235-5878.

FUELING ENGINE

This engine is certified to operate on unleaded gasoline. Before operation, gasoline must be mixed with a good quality 2-cycle air-cooled engine oil. We recommend Craftsman brand oil. Mix gasoline and oil at a ratio of 40:1 (A 40:1 ratio is obtained by mixing 3.2 ounces of oil with 1 gallon of unleaded gasoline). DO NOT USE automotive oil or boat oil. These oils will cause engine damage. When mixing fuel, follow instructions printed on container. Once oil is added to gasoline, shake container momentarily to assure that the fuel is thoroughly mixed. Always

read and follow the safety rules relating to fuel before fueling your unit.

IMPORTANT

Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, empty the fuel system before storage for 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season.

Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

See the STORAGE section for additional information.

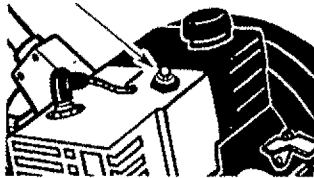
STARTING YOUR ENGINE

(For location of controls, refer to "KNOW YOUR UNIT.")

STOPPING YOUR ENGINE:

To stop a running engine, move the switch to the OFF position.

ON/OFF Switch



BEFORE STARTING THE ENGINE:

- Fuel the engine. Then move 10 feet (3 meters) away from the fueling site.

DANGER: The cutting blade will turn when the engine starts.

WARNING: Avoid any contact with the muffler. A hot muffler can cause serious burns.

- Rest the unit on the ground. Support the unit so the blade is off of the ground and away from trees, bushes, onlookers, etc.

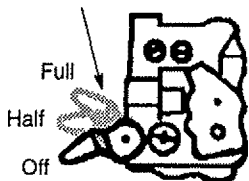
STARTING POSITION



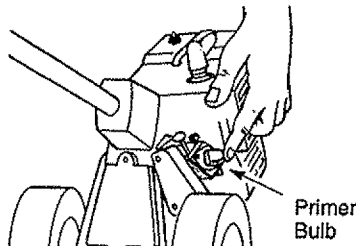
STARTING A COLD ENGINE, OR A WARM ENGINE AFTER RUNNING OUT OF FUEL:

- Make sure switch is in ON position.
- Slowly press the primer bulb 6 times.
- Move choke lever to "Full Choke."

Choke Lever



- Squeeze and hold the throttle trigger. *Keep throttle trigger fully squeezed until the engine runs smoothly.*



- Pull starter rope sharply 5 times.
- NOTE:** The engine may sound as if it is trying to start before the 5th pull. If so, go to the next step immediately.
- Move choke lever to "Half Choke."
 - Pull the starter rope sharply until engine runs, but no more than 6 pulls.

NOTE: If the engine has not started after 6 pulls (at half choke), check to make sure the switch and the choke lever are in the proper positions. Then, move the choke lever to the "Full Choke" position and press the primer bulb 6 times; pull the starter rope 2 more times. Move the choke lever to "Half Choke" and pull the starter rope until the engine runs, but no more than 6 more pulls.

NOTE: If engine still has not started, it is probably flooded. Proceed to "Starting a Flooded Engine."

- Allow the engine to run 10 seconds, then move the choke lever to "Off Choke." Allow the unit to run for 30 more seconds at "Off Choke," then release the throttle trigger.

NOTE: If engine dies with choke lever at the "Off Choke" position, move the choke lever to "Half Choke" and pull the rope until the engine runs.

STARTING A WARM ENGINE THAT HAS NOT RUN OUT OF FUEL:

- Make sure switch is in ON position.
- Move choke lever to "Half Choke."
- Squeeze and hold the throttle trigger. *Keep throttle trigger fully squeezed until the engine runs smoothly.*
- Pull starter rope sharply until the engine runs, but no more than 5 pulls.
- Allow engine to run 10 seconds, then move the choke lever to "Off Choke." Release the throttle trigger.

NOTE: If engine has not started, pull starter rope 5 more pulls. If engine still does not run, it is probably flooded. Proceed to "Starting a Flooded Engine."

STARTING A FLOODED ENGINE:

Flooded engines can be started by placing the switch in the ON position and the choke lever in the "Off Choke" position; then, pull the rope to clear the engine of excess fuel. This could require pulling the starter rope *many times* depending on how badly the unit is flooded.

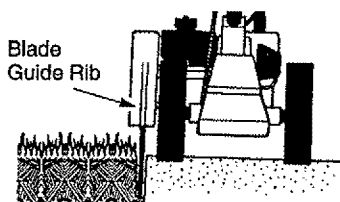
If unit still doesn't start, call the 1-800 number listed on the front of this manual.

OPERATING INSTRUCTIONS

EDGING

As you become familiar with your edger, you will be able to determine your own operating pace. Conditions such as depth of cut and material being cut will regulate the speed and time required for your edging job.

- Allow the engine to warm up for one minute before you begin edging.
- Increase the engine speed before placing the blade in the cut. For best operation, run the engine at full throttle while cutting.
- Keep your edging path straight by aligning the blade guide rib on the rear of the blade guard with the edge of the sidewalk. Keep all wheels flat on the walkway.



- Always work going away from people and solid objects such as walls, large stones, trees, automobiles, etc.
- Be careful when edging near trees or valuable plants. The high speed metal blade may cut roots and cause damage to the plants.
- If the blade stalls, immediately move the unit rearward slightly to allow the blade to restart. If the blade continues to stall, stop the engine, disconnect the spark plug, and inspect for blockage or damage.
- Always keep the blade area clean. Stop the engine, make sure the

blade has completely stopped turning, and disconnect the spark plug before cleaning.

SETTING THE EDGING DEPTH

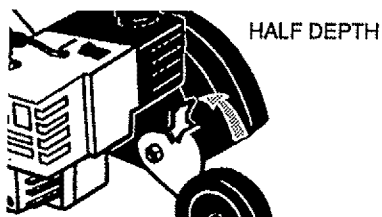
WARNING: Never attempt to adjust the depth adjusting wheel when the engine is running. Always release the throttle trigger, wait until the blade stops turning, move the On/Off switch to the OFF position, and disconnect spark plug before making adjustments. Your edger is equipped with two edging depths:

- Half depth for shallow edging (1").
- Full depth for deep edging (2").

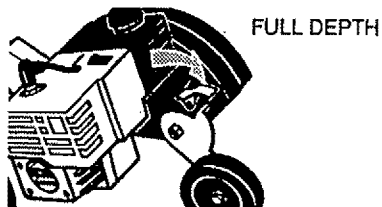
The depth used will depend on your personal edging preference and the condition of the area where the edging operation is to be done.

NOTE: If the area to be edged has never been cut or several weeks have passed since the last cut, the first edging should be done at no more than half depth.

TO SET THE DEPTH



- Move the depth control lever rearward for half depth edging.
- Move the depth control lever forward for full depth edging.



The front wheel is spring loaded to remove the blade from the cut when the unit is not in use. When edging, the trigger handle must be raised until the unit bottoms out at the selected depth level. The trigger handle must be held in the raised position during the entire edging operation to maintain a consistent edging depth.

EDGING TIPS

- Inspect unit before each use.
- Inspect area to be cut before each use.
- Keep unit in front of your body.
- Cut at full throttle.
- Keep wheels in contact with ground.
- Always work going away from others.

MAINTENANCE

CUSTOMER RESPONSIBILITIES

CARE & MAINTENANCE TASK	WHEN TO PERFORM
Check for damaged or worn parts	Before each use
Check for Loose fasteners and parts	Before each use
Clean unit and labels	After each use
Clean air filter	Every 5 hours of operation
Check or replace blade	Every 5 hours of operation
Replace spark plug	yearly

GENERAL RECOMMENDATIONS

The warranty on this unit does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain unit as instructed in this manual.

Various adjustments will need to be made periodically to properly maintain your unit.

All adjustments in the "Service and Adjustments" section of this manual should be checked at least once each season.

- Once each year, replace the spark plug, replace air filter element and check blade for wear. A new spark plug and a clean/new air filter element assures proper air/fuel mixture and helps your engine run better and last longer.
- Follow the Care & Maintenance Task schedule above.

WARNING: Disconnect the spark plug before performing maintenance except for carburetor adjustments. Inspect the entire unit, replace damaged parts, check for fuel leaks and make sure all fasteners are in place and securely fastened.

BEFORE EACH USE

CHECK FOR DAMAGED OR WORN PARTS

Refer replacement of damaged/worn parts to your Sears Service Center.

- ON/OFF Switch – Ensure ON/OFF switch functions properly by moving the switch to the OFF position and

assure that engine stops, then re-start your engine and continue.

- Fuel Tank – discontinue use of edger if fuel tank shows signs of damage or leaks.
- Blade Guard – Discontinue use of unit if blade guard is damaged.

CHECK FOR LOOSE FASTENERS AND PARTS

- Blade nut
- Muffler
- Cylinder shield
- Clutch
- Throttle trigger
- Handle Screws
- Fasteners

AFTER USE

CLEAN UNIT AND LABELS

- Clean the unit using a damp cloth with a mild detergent.
- Wipe off unit with a clean dry cloth.

EVERY 5 HOURS

CLEAN AIR FILTER

NOTE: A dirty air filter decreases the life and performance of the engine and increases fuel usage.

Clean the Air Filter:

- Always after 5 tanks of fuel or 5 hours of operation, whichever is less.
- More frequently in dusty conditions.

CAUTION: Do not clean the air filter with gasoline or other flammable solvent to avoid creating a fire hazard.

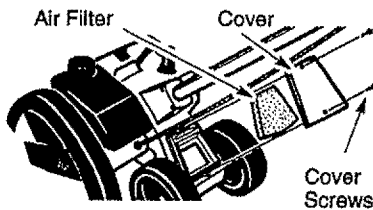
- Remove the two screws and the air filter cover from the engine
- Remove air filter.
- Wash filter in soap and water.
- Squeeze filter dry.
- Add 4 or 5 drops of oil to the air filter.

NOTE: Do not soak air filter with oil.

- Squeeze air filter to distribute the oil.
- Reinstall air filter in housing.
- Reinstall the air filter cover.

If replacing air filter, contact your Sears Service Center for the proper part.

CAUTION: Make sure air filter is fitted into the corners of the housing to keep dust from entering engine and causing engine damage.

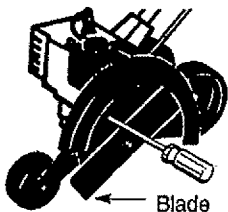


BLADE MAINTENANCE

WARNING: The blade will continue to spin after the engine stops or after the throttle trigger has been released. Make sure the blade has stopped coasting and disconnect the spark plug before performing work on the blade.

Always replace a blade that is bent, warped, cracked, broken, or damaged in any other way. Never attempt to straighten and reuse a damaged blade. Use only specified replacement blade.

Wear protective gloves when handling or performing maintenance on the blade to help avoid injury.



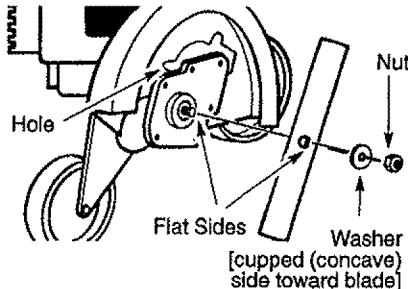
- The Blade is reversible. When the cutting edge on one side becomes worn, turn the blade over.
- Check blade for flatness periodically. Lay the blade on a flat surface to in-

spect for flatness. Throw away a blade that is not flat.

BLADE REPLACEMENT

CAUTION: Wear protective gloves when handling or performing maintenance on the blade to avoid injury.

- To remove the blade, insert a screwdriver into the hole in the gearbox; then, remove the nut, washer, and blade from the blade shaft.

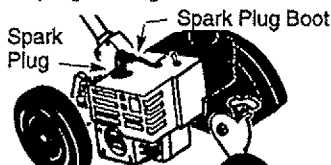


- Align the flat area of the blade opening with the flat side of the shaft. Place the new blade on the shaft.
- Install washer, making sure to install cupped (concave) side facing blade.
- Install nut counterclockwise on the blade shaft.
- Bind the blade by inserting a screwdriver into the hole in the gearbox; then, tighten the nut with a wrench until the washer is flattened firmly against the blade.

YEARLY REPLACE SPARK PLUG

The spark plug should be replaced each year to ensure the engine starts easier and runs better. Set spark plug gap at .025 in.

- Twist then pull off the spark plug boot.
- Remove and discard the spark plug.
- Replace with Champion RCJ-8Y spark plug and tighten with wrench.



SERVICE AND ADJUSTMENTS

CARBURETOR ADJUSTMENTS

NOTE: Properly adjusting the carburetor is a complicated task. Read all

warnings and instructions thoroughly before starting adjustments. If you do not think that you completely under-

stand all warnings and instructions, let your Authorized Service Dealer perform these adjustments.

WARNING: Serious injury to the operator and others can occur if the carburetor is not properly adjusted. Keep others away when making carburetor adjustments. The blade shaft will be spinning during most of this procedure. Wear your protective equipment and observe all safety instructions.

Remove blade before making carburetor adjustments. Do not make adjustments from the blade side of the unit. Hold the unit with your hand.

Recheck idle speed after each adjustment. The blade shaft must not turn at idle speed to avoid serious injury to the operator or others.

- Poor engine performance can be result of other causes such as dirty air filter, carbon build-up on muffler outlets, etc. See "Troubleshooting Chart" before proceeding with carburetor adjustments.
- For best results, it is recommended that you have your Sears Service Center make all carburetor adjustments. Your dealer has the training, experience, and tools necessary to properly adjust your unit to meet our factory performance specifications. *This service is not covered by warranty.* If it becomes necessary for you to make carburetor adjustments yourself, follow the described procedures very carefully.
- Very small adjustments can affect engine performance. It is important to turn the screw a very small amount per adjustment and test performance before making further adjustments. Each adjustment should be no more than the width of the slot in the adjusting screw.
- This is a complicated task. Follow instructions in sequence as indicated.

TROUBLESHOOTING SUGGESTIONS

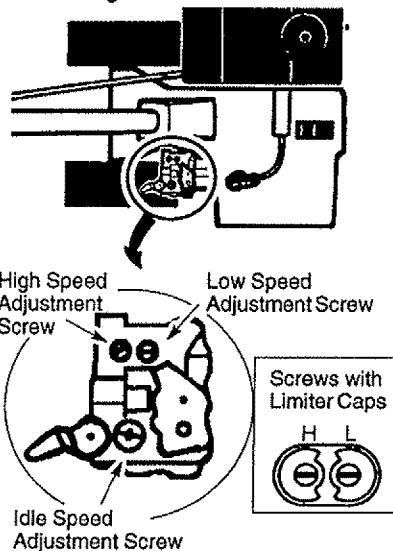
- Engine will not continue to run at idle position. See "Idle Speed Adjustment" and "Low Speed Mixture Adjustment."

- Blade continues to spin when engine idles. See "Idle Speed Adjustment."
- Engine dies or hesitates when it should accelerate. See "Acceleration Check."
- Loss of cutting power which cannot be corrected by cleaning the air filter. See "High Speed Mixture Adjustment."
- Engine will not run. See "Troubleshooting Chart." Then, if the carburetor requires adjustment, begin with "Basic carburetor Settings."

BASIC CARBURETOR SETTINGS

NOTE: Usually, your engine can be made to run properly with minor carburetor adjustments. Refer to "Troubleshooting Suggestions" in the left column for the condition you are experiencing and follow the instructions. The basic carburetor settings are provided below.

- Turn the low speed mixture screw and the high speed mixture screw fully counterclockwise. *Do not attempt to turn screws beyond the stops as damage can occur.*



ADJUSTING PROCEDURE PREPARATION

- Use fresh fuel mix. See Fueling Your Engine.

- Start the engine. Edge for 3 minutes to warm the engine. *The engine must be at operating temperature before carburetor adjustments can be performed correctly.*

IDLE SPEED ADJUSTMENT

- Allow engine to idle.
- Adjust idle speed screw until the engine continues to run without stalling and without the blade shaft moving.
 - Turn screw clockwise to increase engine speed if the engine stalls or dies.
 - Turn screw counterclockwise to slow engine down and/or to keep blade shaft from turning.
- Follow instructions in "Acceleration Check."
- No further adjustments are necessary if blade shaft does not turn at idle speed and if performance is satisfactory.

ACCELERATION CHECK

- Allow engine to idle.
- Squeeze throttle trigger fully.
 - If performance is satisfactory, proceed to "Low Speed Mixture Adjustment."
 - If the engine does not accelerate smoothly, turn the low speed mixture screw counterclockwise a small amount (no more than the width of the slot in the adjusting screw). Repeat step until smooth acceleration is obtained. *Do not attempt to turn the screws beyond the stops as damage can occur.*

NOTE: It may be necessary to repeat "Idle Speed Adjustment" through "Acceleration Check" to obtain correct adjustments.

LOW SPEED MIXTURE ADJUSTMENT

- Allow engine to idle.
- Turn the low speed mixture screw slowly clockwise until the speed starts to drop. *Do not attempt to turn the screws beyond the stops as damage can occur.*

- Turn low speed mixture screw counterclockwise until the speed increases and then starts to drop again. *Do not attempt to turn the screws beyond the stops as damage can occur.*
- Set low speed mixture screw at the midpoint between the two positions.
- Readjust idle speed (see Idle Speed Adjustment).

HIGH SPEED MIXTURE ADJUSTMENT

CAUTION: Do not operate engine at full throttle for prolonged periods while making high speed adjustments as damage to the engine can occur.

- Support the unit so the blade will not make contact with any object. Do not make adjustments from the blade side of the unit.
- Allow the engine to idle, then squeeze the throttle trigger fully.

NOTE: Perform the next two steps at full throttle.

- Turn high speed mixture screw very slowly counterclockwise until it stops. *Do not attempt to turn screws beyond the stops as damage can occur.*
- Turn the screw the minimum amount clockwise until the engine runs smoothly. *Do not attempt to turn screws beyond the stops as damage can occur.*
- If the engine accelerates and runs smoothly, no further adjustments are necessary.
- Recheck and follow steps in "Acceleration Check."

CAUTION: If the engine does not operate according to these instructions after repeating the adjusting steps, do not use the unit. Take it to your Sears Service Center.

IGNITION TIMING

Ignition timing is fixed, nonadjustable.

STORAGE

Prepare unit for storage at the end of the season or if it will not be used for 30 days or more.

WARNING:

- Allow the engine to cool, and secure unit before storing or transporting.
- Store unit and fuel in an area where fuel vapors cannot reach sparks or

open flames from water heaters, electric motors or switches, furnaces, etc.

- Store unit with all guards in place. Position unit so that any sharp object cannot accidentally cause injury.
- Store unit well out of the reach of children.
- Wear protective gloves when handling blade. The blade is sharp and can cut you even when it is not moving.

EDGER STORAGE

- Clean the entire unit.
- Clean air filter (see instructions).

CAUTION: Wear protective gloves when handling the blade. The blade is sharp and can cut you even when it is not moving.

- Inspect the guard area and clean any dirt, grass, leaves, or debris that has collected. Inspect the blade and blade guard; replace a blade that is bent, warped, cracked, broken, or damaged in any other way.
- Lightly oil external metal surfaces.
- Apply a coating of oil to the entire surface of the blade; wrap it in heavy paper or cloth.
- Be sure all handles and guards are in place and are securely fastened. Replace any damaged parts.
- Check entire unit for loose screws, nuts, and bolts. Replace any damaged, worn, or broken parts.
- Do not cover with plastic. Plastic cannot breathe and will induce condensation and eventual rust or corrosion.

FUEL SYSTEM

Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur to fuel system components. Follow these instructions.

- Drain the fuel from the unit into an approved fuel container.
- Drain the fuel lines and carburetor by starting the engine and letting it run until it stops.
- Allow engine to cool before storage.

IMPORTANT: It is important to prevent gum deposits from forming in essential fuel system parts such as the carburetor, fuel filter, fuel hose, or tank during storage. Also, experience indicates that alcohol blended fuels, those that use ethanol or methanol (called

gasohol or oxygenated fuel), can attract moisture and form acidic gas which will damage your engine. To avoid engine problems, the fuel system should be emptied before storage for 30 days or longer.

Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to the gasoline in the fuel tank or fuel storage container. Always follow the mix instructions found on stabilizer containers. Run engine at least 5 minutes after adding stabilizer to allow the stabilizer to reach the carburetor.

CRAFTSMAN 40:1 2-cycle engine oil (AIR COOLED) is blended with fuel stabilizer. If you do not use this Sears oil, you can add a fuel stabilizer (such as Craftsman No. 33500) to your fuel tank.

INTERNAL ENGINE

- Remove spark plug and pour 1 teaspoon of 40:1 2-cycle engine oil (AIR COOLED) through the spark plug opening. Slowly pull the starter rope 8 to 10 times to distribute oil to inner engine surfaces.
- Replace spark plug with a new one of recommended type and heat range.
- Clean air filter. Refer to Customer Responsibilities.
- Re-install all covers and hardware removed for access; tighten all screws and fasteners.
- Check entire unit for loose screws, nuts, and bolts. Replace any damaged, broken, or worn parts.
- Use fresh fuel next season.

OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your fuel system will cause problems.
- Store your unit in a well ventilated area and covered, if possible, to prevent dust and dirt accumulation. Do not cover with plastic. Plastic cannot breathe and will induce condensation and eventual rust or corrosion.

IMPORTANT: Never cover unit while engine and exhaust areas are still warm.

TROUBLESHOOTING CHART

SYMPTOM	CAUSE	REMEDY
Engine will not start or will run only for a few seconds after starting.	<ol style="list-style-type: none"> 1. Fuel tank empty. 2. Engine flooded. 3. Spark plug not firing. 4. Fuel not reaching carburetor. 5. Carburetor requires adjustment. 6. None of the above. 	<ol style="list-style-type: none"> 1. Fill tank with correct fuel mixture 2. See "Starting Instructions." 3. Install new plug/check ignition system. 4. Replace fuel filter; inspect fuel line. 5. See "Carburetor Adjustments." 6. Contact your Sears Service Center.
Engine will not idle properly	<ol style="list-style-type: none"> 1. Carburetor requires adjustment. 2. Other. 	<ol style="list-style-type: none"> 1. See "Carburetor Adjustments." 2. Contact your Sears Service Center.
Engine will not accelerate, lacks power, or dies under a load	<ol style="list-style-type: none"> 1. Air filter dirty. 2. Spark plug fouled. 3. Carburetor requires adjustment. 4. Muffler outlets plugged. 5. None of the above. 	<ol style="list-style-type: none"> 1. Clean or replace air filter. 2. Replace spark plug. 3. See "Carburetor Adjustments." 4. Contact your Sears Service Center. 5. Contact your Sears Service Center.
Engine smokes excessively	<ol style="list-style-type: none"> 1. Air filter dirty. 2. Fuel mixture incorrect. 3. Carburetor requires adjustment. 	<ol style="list-style-type: none"> 1. Clean or replace air filter. 2. Refuel with correct fuel mixture. 3. See "Carburetor Adjustments."
Engine runs hot	<ol style="list-style-type: none"> 1. Fuel mixture incorrect. 2. Carburetor requires adjustment. 3. Spark plug incorrect. 4. None of the above. 	<ol style="list-style-type: none"> 1. See "Fueling Your Unit." 2. See "Carburetor Adjustments." 3. Replace with correct plug. 4. Contact your Sears Service Center.
Blade turns at idle speed	<ol style="list-style-type: none"> 1. Carburetor requires adjustment. 2. Throttle cable binding. 3. Clutch requires repair. 	<ol style="list-style-type: none"> 1. See "Carburetor Adjustments." 2. Replace or repair throttle cable. 3. Contact your Sears Service Center.
Blade stops under a load or does not turn when engine is accelerated	<ol style="list-style-type: none"> 1. Blade not engaged. 2. Carburetor requires adjustments. 3. Clutch requires repair. 	<ol style="list-style-type: none"> 1. Check gearbox. 2. See "Carburetor Adjustments." 3. Contact your Sears Service Center.