

IMPORTANT MANUAL

Do Not Throw Away

SEARS
Operator's
Manual

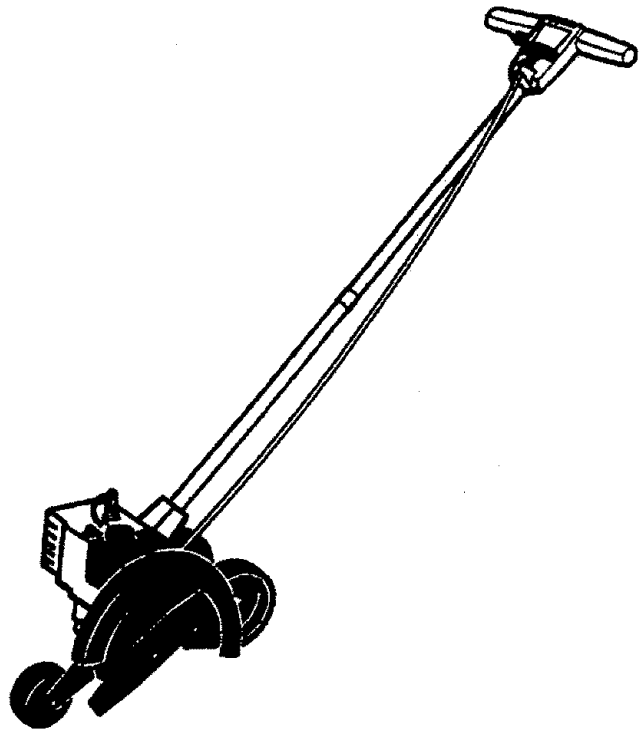
Model No.
358.797450

**CUSTOMER
ASSISTANCE**
1-800-235-5878

HOURS (CST)
Mon. - Sat. 7 a.m. - 7 p.m.
Sun. 10 a.m. - 7 p.m.



WARNING:
READ THE OPERATOR'S
MANUAL AND FOLLOW
ALL WARNINGS AND
SAFETY INSTRUCTIONS.
FAILURE TO DO SO CAN
RESULT IN SERIOUS
INJURY.



Always Wear Eye Protection

CRAFTSMAN®
1.3 cu. in./21cc 2-CYCLE
Gear Driven
GASOLINE EDGER

- Assembly
- Operation
- Customer Responsibilities
- Service and Adjustments
- Repair Parts

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

SAFETY RULES



WARNING:

ALWAYS DISCONNECT SPARK PLUG WIRE AND PLACE WIRE WHERE IT CANNOT CONTACT SPARK PLUG TO PREVENT ACCIDENTAL STARTING WHEN SETTING UP, TRANSPORTING, ADJUSTING OR MAKING REPAIRS EXCEPT CARBURETOR ADJUSTMENTS.

OPERATOR SAFETY

- Always wear eye protection when operating, servicing, or performing maintenance on your unit. See "Accessories."
- Always wear heavy, long pants, long sleeves, boots, and gloves. Do not go barefoot or wear short pants, short sleeves, or sandals. Loose clothing, jewelry, or clothing with loosely hanging straps, ties, tassels, etc., can be caught in moving parts. Secure hair so it is above shoulder length. Being fully covered will help protect you from pieces of toxic plants such as poison ivy thrown by the blade, which could be more of a hazard than touching the plant itself.
- Do not operate unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- 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.

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 over-reach.
- 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.

UNIT MAINTENANCE 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 SEARS replacement blades. Never use wire, rope, string etc.
- Use only recommended SEARS parts and accessories.
- Disconnect the spark plug before performing maintenance (except for 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 gear box removed. The clutch can fly off and cause serious injury.
- Have all maintenance and service not explained in this manual performed by your Sears Service Center.

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 or 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.

TRANSPORTING AND STORAGE

- Stop the unit before leaving the work area.
- Allow the unit to cool, run fuel out of the fuel tank, and secure the unit before storing or transporting it in a vehicle.
- Before storing the unit, 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.

SAFETY NOTICE

Exposure to vibrations through prolonged use of gasoline powered hand tools could cause blood vessel or nerve damage in the fingers, hand, 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 tool 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.



LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS – ATTENTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.

SAFETY RULES



DANGER

THIS POWER TOOL CAN BE DANGEROUS! THIS UNIT CAN CAUSE SERIOUS INJURY INCLUDING AMPUTATION OR BLINDNESS TO THE OPERATOR AND OTHERS. THE WARNINGS AND SAFETY INSTRUCTIONS IN THIS MANUAL MUST BE FOLLOWED TO PROVIDE REASONABLE SAFETY AND EFFICIENCY IN USING THIS UNIT. THE OPERATOR IS RESPONSIBLE FOR FOLLOWING THE WARNINGS AND INSTRUCTIONS IN THIS MANUAL AND ON THE UNIT. READ THE ENTIRE OPERATOR'S MANUAL BEFORE ASSEMBLING AND USING THIS UNIT! RESTRICT THE USE OF THIS POWER UNIT TO PERSONS WHO READ, UNDERSTAND, AND FOLLOW THE WARNINGS AND INSTRUCTIONS IN THIS MANUAL AND ON THE UNIT. NEVER ALLOW CHILDREN TO USE THIS UNIT.

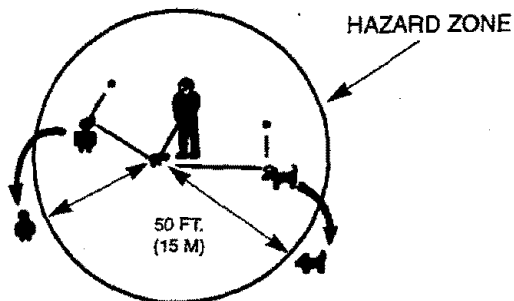


WARNING:

BLADE CAN THROW OBJECTS VIOLENTLY. YOU CAN BE BLINDED OR INJURED. WEAR EYE AND LEG PROTECTION



HAZARD ZONE FOR THROWN OBJECTS. EDGER CAN THROW OBJECTS VIOLENTLY. OTHERS CAN BE BLINDED OR INJURED. KEEP PEOPLE AND ANIMALS 50 FEET (15 METERS) AWAY.



BLADE COASTS. THE BLADE CAN SERIOUSLY CUT YOU OR OTHERS. STAY CLEAR OF SPINNING BLADE. ALLOW BLADE TO STOP BEFORE REMOVING IT FROM THE CUT.



READ OPERATOR'S MANUAL. FOLLOW ALL WARNINGS AND INSTRUCTIONS. FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY.



OPERATOR'S
MANUAL



SAFETY LABEL

CONGRATULATIONS on your purchase of a Sears Craftsman Gasoline Edger. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problems you cannot easily remedy, please contact your nearest Sears Service Center/Department. Sears has competent, well trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble and maintain your unit properly. Always observe the "SAFETY RULES."

MODEL NUMBER: **358.797450**

DATE CODE/SERIAL NO. _____

DATE OF PURCHASE: _____

THE MODEL AND SERIAL NUMBER WILL BE FOUND ON THE PRODUCT.

YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

MAINTENANCE AGREEMENT

A Sears Maintenance Agreement is available on this product. Contact your nearest Sears Store for details.

CUSTOMER RESPONSIBILITIES

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for, and using your unit.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this Operator's Manual.

DISPLACEMENT: 1.3 Cubic Inches (21cc)
ENGINE:..... 2-cycle Air Cooled
FUEL MIX:..... 40:1 (3.2oz oil per gallon gas)
IGNITION: Solid State
(Air gap .010"-.014")
IGNITION TIMING:..... Non-Adjustable, Fixed
SPARK PLUG TYPE: Champion RCJ-8Y
SPARK PLUG GAP:..... .025" (.63mm)
MUFFLER: Temperature Limiting (and spark arresting)
ENGINE RPM: 9,200 RPM Maximum

For users on U.S. Forest Land and in some states, including California (Public Resources Codes 4442 and 4443), Idaho, Main, Minnesota, New Jersey, Oregon, and Washington: Certain internal combustion engines operated on forest, brush, and/or grass-covered lands in the above areas are required to be equipped with a spark arrester, maintained in effective working order, or the engine must be constructed, equipped, and maintained for the prevention of fire. Check with your state or local authorities for regulations pertaining to these requirements. Failure to follow these requirements is a violation of the law. This unit is not factory-equipped with a spark arrester; however, a spark arrester is available as an optional part. If a spark arrester is required in your area, contact your SEARS Service Center/Department for the correct kit.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 4,904,827; 4,904,827-4,846,123; 4,463,544; 4,451,983; 4,364,435; 4,285,675; Re.32,266 OTHER U.S. AND FOREIGN PATENTS PENDING.

FULL ONE YEAR WARRANTY ON CRAFTSMAN GAS 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 owner's manual, Sears will repair, free of charge, any defect in material or workmanship.

If this CRAFTSMAN edger is used for commercial or rental purposes, this warranty applies for only 90 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 adapters, air cleaners, spark plugs, tire chains and shear pins.

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

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE CRAFTSMAN EDGER TO THE NEAREST SEARS SERVICED 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.

MADE IN U.S.A. Sold by SEARS, ROEBUCK AND CO., D/ 817WA, HOFFMAN ESTATES, IL 60179

TABLE OF CONTENTS

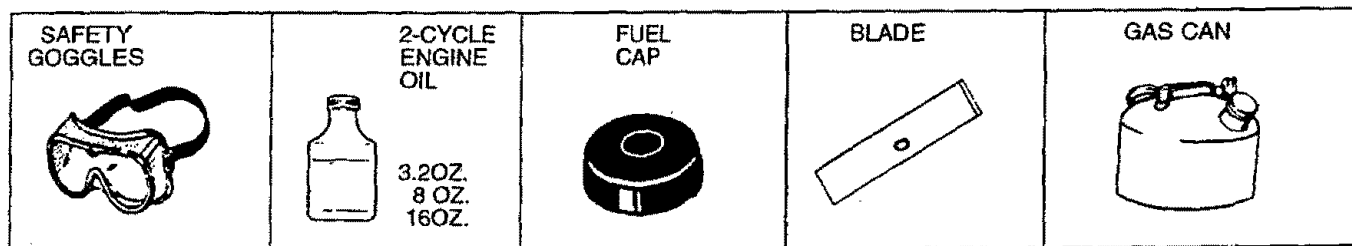
Safety Rules.....	2	Customer Responsibilities.....	14
Product Specification.....	4	Service and Adjustments.....	16
Warranty.....	4	Storage.....	19
Accessories.....	5	Trouble Shooting.....	20
Assembly.....	7	Repair Parts.....	21
Operation.....	8	Repair Parts Ordering/Service.....	Back Cover

INDEX

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A</td> <td style="width: 50%;"></td> </tr> <tr> <td>Accessories.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>Air Filter.....</td> <td style="text-align: right;">14</td> </tr> <tr> <td>Assembly.....</td> <td style="text-align: right;">7</td> </tr> <tr> <td style="text-align: center;">B</td> <td style="width: 50%;"></td> </tr> <tr> <td>Blade.....</td> <td style="text-align: right;">15</td> </tr> <tr> <td style="text-align: center;">C</td> <td style="width: 50%;"></td> </tr> <tr> <td>Carburetor Adjustments.....</td> <td style="text-align: right;">16</td> </tr> <tr> <td>Controls.....</td> <td style="text-align: right;">9</td> </tr> <tr> <td>Customer Responsibilities.....</td> <td style="text-align: right;">14</td> </tr> <tr> <td style="text-align: center;">E</td> <td style="width: 50%;"></td> </tr> <tr> <td>Edging.....</td> <td style="text-align: right;">12</td> </tr> <tr> <td>Engine</td> <td></td> </tr> <tr> <td> Fuel/Oil.....</td> <td style="text-align: right;">10</td> </tr> <tr> <td> Spark Plug.....</td> <td style="text-align: right;">15</td> </tr> <tr> <td> Starting.....</td> <td style="text-align: right;">11</td> </tr> <tr> <td> Storage.....</td> <td style="text-align: right;">19</td> </tr> <tr> <td style="text-align: center;">F</td> <td style="width: 50%;"></td> </tr> <tr> <td>Fuel Filter.....</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Fueling.....</td> <td style="text-align: right;">10</td> </tr> <tr> <td style="text-align: center;">H</td> <td style="width: 50%;"></td> </tr> <tr> <td>Carton Contents.....</td> <td style="text-align: right;">6</td> </tr> <tr> <td>How To Use Your Edger.....</td> <td style="text-align: right;">9</td> </tr> </table>	A		Accessories.....	5	Air Filter.....	14	Assembly.....	7	B		Blade.....	15	C		Carburetor Adjustments.....	16	Controls.....	9	Customer Responsibilities.....	14	E		Edging.....	12	Engine		Fuel/Oil.....	10	Spark Plug.....	15	Starting.....	11	Storage.....	19	F		Fuel Filter.....	15	Fueling.....	10	H		Carton Contents.....	6	How To Use Your Edger.....	9	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">K</td> <td style="width: 50%;"></td> </tr> <tr> <td>Know Your Edger.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td style="text-align: center;">M</td> <td style="width: 50%;"></td> </tr> <tr> <td>Maintenance Schedule.....</td> <td style="text-align: right;">14</td> </tr> <tr> <td>Model Number.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td style="text-align: center;">O</td> <td style="width: 50%;"></td> </tr> <tr> <td>Operation.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>Ordering Repair Parts.....</td> <td style="text-align: right;">Back Cover</td> </tr> <tr> <td style="text-align: center;">R</td> <td style="width: 50%;"></td> </tr> <tr> <td>Repair Parts.....</td> <td style="text-align: right;">21</td> </tr> <tr> <td style="text-align: center;">S</td> <td style="width: 50%;"></td> </tr> <tr> <td>Service and Adjustments.....</td> <td style="text-align: right;">16</td> </tr> <tr> <td>Spark Plug.....</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Specifications.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Starter Rope.....</td> <td style="text-align: right;">17</td> </tr> <tr> <td>Starting.....</td> <td style="text-align: right;">11</td> </tr> <tr> <td>Storage.....</td> <td style="text-align: right;">19</td> </tr> <tr> <td style="text-align: center;">T</td> <td style="width: 50%;"></td> </tr> <tr> <td>Trouble Shooting.....</td> <td style="text-align: right;">20</td> </tr> <tr> <td style="text-align: center;">W</td> <td style="width: 50%;"></td> </tr> <tr> <td>Warranty.....</td> <td style="text-align: right;">4</td> </tr> </table>	K		Know Your Edger.....	8	M		Maintenance Schedule.....	14	Model Number.....	4	O		Operation.....	8	Ordering Repair Parts.....	Back Cover	R		Repair Parts.....	21	S		Service and Adjustments.....	16	Spark Plug.....	15	Specifications.....	4	Starter Rope.....	17	Starting.....	11	Storage.....	19	T		Trouble Shooting.....	20	W		Warranty.....	4
A																																																																																									
Accessories.....	5																																																																																								
Air Filter.....	14																																																																																								
Assembly.....	7																																																																																								
B																																																																																									
Blade.....	15																																																																																								
C																																																																																									
Carburetor Adjustments.....	16																																																																																								
Controls.....	9																																																																																								
Customer Responsibilities.....	14																																																																																								
E																																																																																									
Edging.....	12																																																																																								
Engine																																																																																									
Fuel/Oil.....	10																																																																																								
Spark Plug.....	15																																																																																								
Starting.....	11																																																																																								
Storage.....	19																																																																																								
F																																																																																									
Fuel Filter.....	15																																																																																								
Fueling.....	10																																																																																								
H																																																																																									
Carton Contents.....	6																																																																																								
How To Use Your Edger.....	9																																																																																								
K																																																																																									
Know Your Edger.....	8																																																																																								
M																																																																																									
Maintenance Schedule.....	14																																																																																								
Model Number.....	4																																																																																								
O																																																																																									
Operation.....	8																																																																																								
Ordering Repair Parts.....	Back Cover																																																																																								
R																																																																																									
Repair Parts.....	21																																																																																								
S																																																																																									
Service and Adjustments.....	16																																																																																								
Spark Plug.....	15																																																																																								
Specifications.....	4																																																																																								
Starter Rope.....	17																																																																																								
Starting.....	11																																																																																								
Storage.....	19																																																																																								
T																																																																																									
Trouble Shooting.....	20																																																																																								
W																																																																																									
Warranty.....	4																																																																																								

ACCESSORIES

These accessories and attachments were available when the unit was originally purchased. They are also available at most Sears retail outlets and service centers. Most Sears stores can order these items for you when you provide the model number of your unit.



CARTON CONTENTS

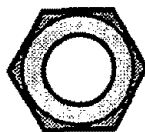
Hardware shown full size



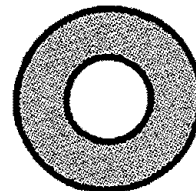
(2) SHOULDER SCREWS



(2) NUTS



(1) BLADE NUT



(1) WASHER

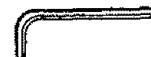
Parts not shown full size



BLADE

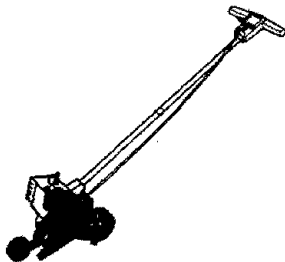


CABLE CLAMP

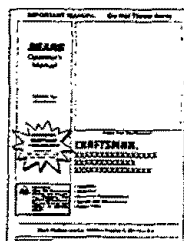


HEX KEY

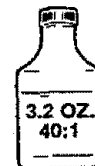
Parts packed separately in carton



EDGER



OPERATOR'S MANUAL



FUEL/OIL MIX

ASSEMBLY

TOOLS REQUIRED FOR ASSEMBLY

- Torque Wrench (optional) – Reference torque values are provided throughout this manual for tightening hardware.
- 3/8" Wrench (or Adjustable wrench)
- 11/16" Wrench (or Adjustable wrench)
- Hex Key (provided)
- Screwdriver

NOTE: It is normal to hear the fuel filter rattle in an empty fuel tank.

TO REMOVE EDGER FROM CARTON

- Remove loose parts bag included with Edger.
- Remove your edger from the packing material.
- You may use the opened packing material as a work surface.
- After removing the contents from the carton, check parts against the Carton Contents list.
- Examine the parts for damage. Do not use damaged parts.
- **Notify CUSTOMER ASSISTANCE at 1-800-235-5878 immediately if a part is missing or damaged.**

ASSEMBLY



DANGER:
DO NOT START THE ENGINE WITHOUT THE GUARD AND BLADE COMPLETELY ASSEMBLED. OTHERWISE, THE CLUTCH CAN COME OFF AND SERIOUS INJURY CAN RESULT.

ALWAYS WEAR GLOVES WHEN HANDLING THE BLADE. THE BLADE CAN BE SHARP ENOUGH TO CUT YOU EVEN THOUGH IT IS TOO DULL TO CUT WOOD.

IF UNIT IS RECEIVED ASSEMBLED, REVIEW ALL STEPS IN THIS SECTION TO BE SURE ASSEMBLY IS CORRECT AND IS ADJUSTED FOR THE OPERATOR.

HOW TO ASSEMBLE YOUR EDGER

TUBE ASSEMBLY (Fig. 1 & 2)

- Loosen the two upper screws in the housing clamp. Then, remove and discard the shipping plug. Figure 1.
 - Insert the lower tube into the housing clamp with the groove in the tube aligned with the ridge in the housing.
 - Firmly push lower tube into the housing until the bold line on the decal is not visible (about 2-1/4").
 - Securely tighten all four screws in the housing clamp.
- NOTE:** In performing the next step, be sure the handle is aligned with the label on the top and the throttle trigger on the operator's right hand side. Figure 1 inset. *The starter rope and throttle cable must not wrap around the tube.*
- Assemble the 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 two screws through the aligned holes. Thread nut onto each screw and tighten securely. Figure 1.
- NOTE:** In performing the next step, be sure the starter rope is not caught under the cable clamp. The starter rope must hang freely to operate properly.
- Install the cable in the cable clamp locating groove. Fig 2.
 - Align the cable clamp between screws. Install the cable clamp around the tube and throttle cable. Figure 2.

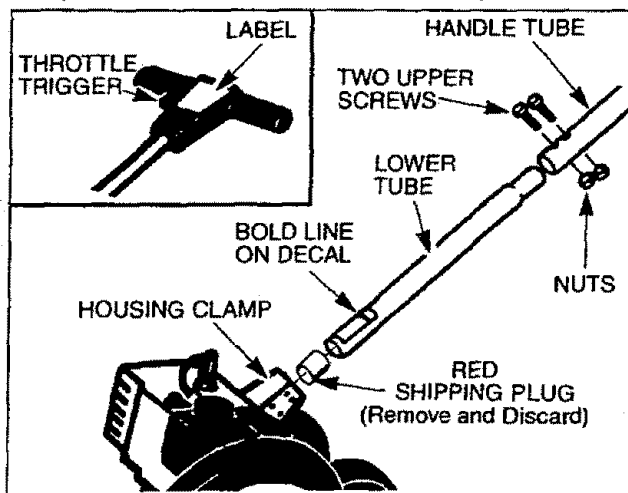


Figure 1

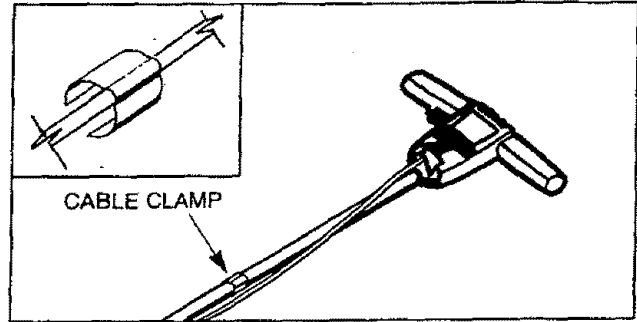


Figure 2

BLADE ASSEMBLY (Fig. 3)



WARNING:
WEAR PROTECTIVE GLOVES WHEN HANDLING OR PERFORMING MAINTENANCE ON THE BLADE TO AVOID INJURY.

- Place the blade on the blade shaft; match the flat area of the blade opening with the flat side of the shaft. Figure 3.
- Install washer, making sure to install the cupped side facing the 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.

NOTE: To remove the blade, bind the blade by inserting a screwdriver into the hole in the gearbox; then, remove the nut, washer, and blade from the blade shaft.

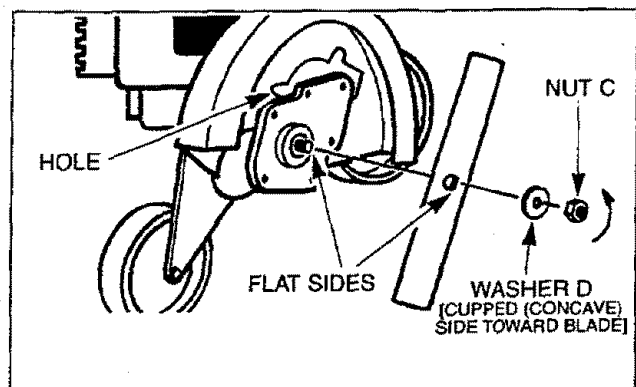


Figure 3

OPERATION

KNOW YOUR EDGER (Fig. 4)

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

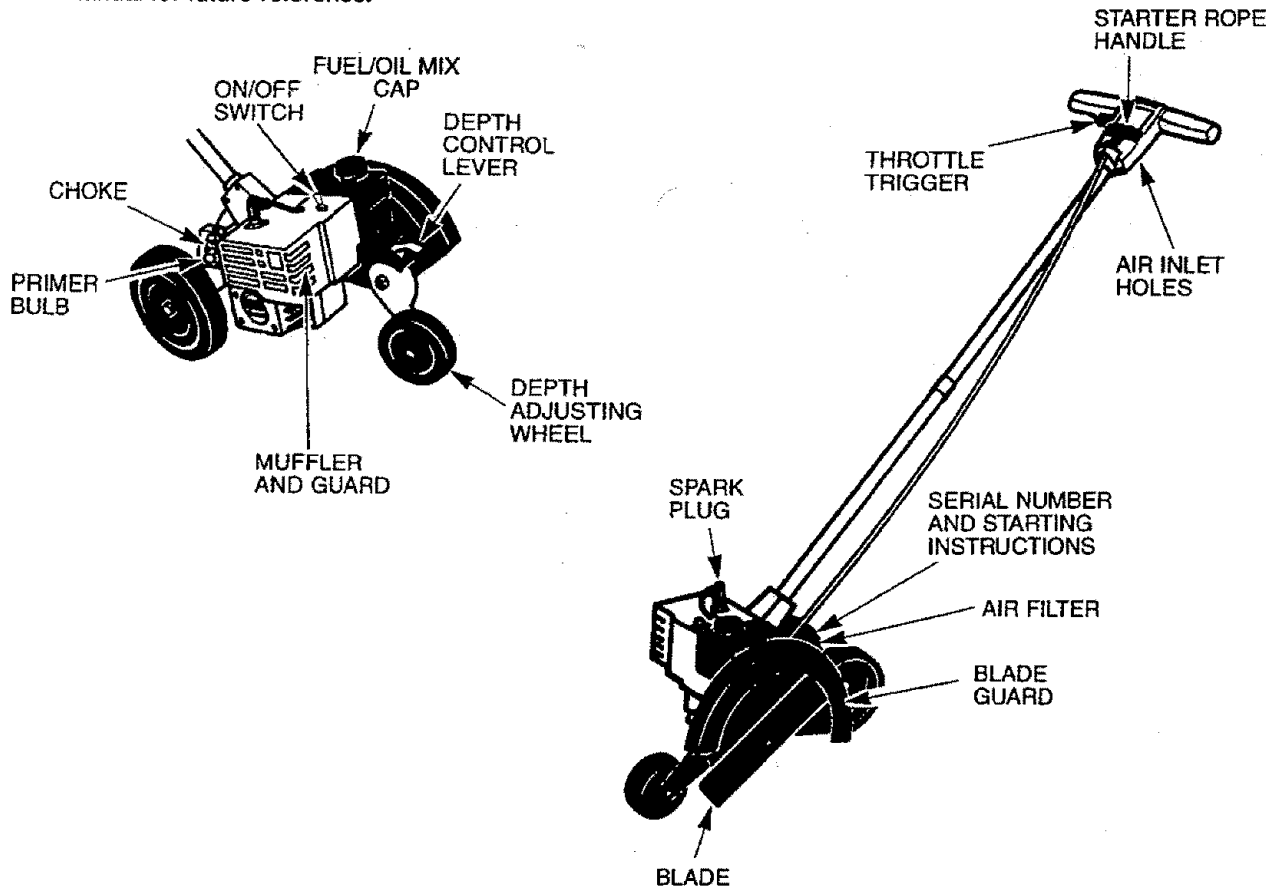


Figure 4

The ON/OFF SWITCH selects "On" and "Off" position.

The STARTER ROPE HANDLE is used for starting the engine.

The CHOKE provides additional fuel to the engine when starting a cold engine,

The PRIMER BULB circulates fuel to the carburetor.

The THROTTLE TRIGGER controls engine speed.

The BLADE is designed to cut the 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.

OPERATION

HOW TO USE YOUR EDGER

STOPPING YOUR ENGINE

- Move on/off switch to the "Off" position.
- If engine does not stop, move choke lever to full choke position.

CONTROLS (Fig. 5 & 6)

THROTTLE TRIGGER

- The throttle trigger allows for variable control of engine speed.
- The throttle trigger is actuated by the index finger on your right hand.

CHOKE

- The choke is set by rotating the choke lever fully for cold or refueled engine starts.

PRIMER BULB

- The primer bulb is used to circulate fuel to the carburetor.
- The primer bulb is activated by pressing on it with your thumb.

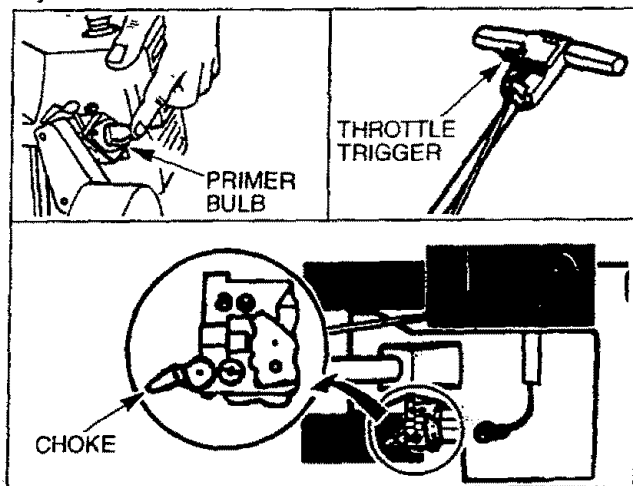


Figure 5

DEPTH CONTROL LEVER

- Controls the cutting depth of the blade.
- The Depth control lever is operated by moving it forward or backward to set the desired cutting depth.

TO SET EDGING DEPTH:

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

DEPTH ADJUSTING WHEEL

- The depth adjusting wheel is spring loaded to remove the blade from the cut when the unit is not in use.

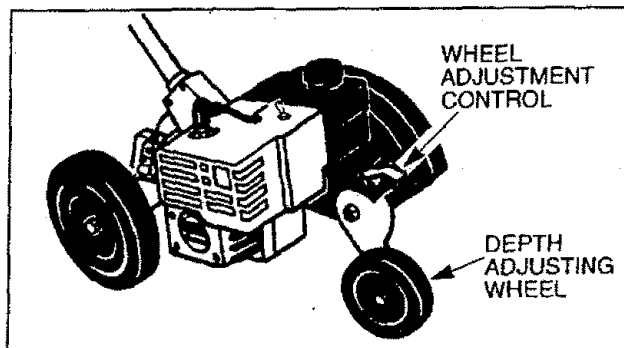


Figure 6

OPERATION

BEFORE STARTING ENGINE:



WARNING:

BE SURE TO READ THE FUEL HANDLING INFORMATION IN THE SAFETY RULES SECTION ON PAGE 2 OF THIS MANUAL BEFORE YOU BEGIN.

IF YOU DO NOT UNDERSTAND THE FUEL HANDLING SECTION DO NOT ATTEMPT TO FUEL YOUR UNIT; SEEK HELP FROM SOMEONE THAT DOES UNDERSTAND THE FUEL HANDLING SECTION OR CALL THE CUSTOMER ASSISTANCE HOTLINE AT 1-800-235-5878.

GASOLINE

The two-cycle engine on this product requires a fuel mixture of regular unleaded gasoline and a high quality 40:1 2-cycle engine oil (AIR-COOLED) for lubrication of the bearings and other moving parts. The correct fuel/oil mixture is 40:1 (see Fuel Mixture Chart). Too little oil or the incorrect oil type will cause poor performance and may cause the engine to overheat and seize.

Gasoline and oil must be premixed in a clean approved fuel container. Always use fresh regular unleaded gasoline.

This engine is certified to operate on unleaded gasoline.

IMPORTANT: Experience indicates that alcohol blended fuels called gasohol (or using ethanol or methanol) can attract moisture, which leads to oil/gas separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage for 30 days or longer. Drain the gas tank, then run the fuel out of the carburetor and fuel lines by starting the engine and letting it run until it stops. Use fresh fuel next season. See STORAGE instructions for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

FUEL STABILIZER

Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow the fuel mix ratio found on the stabilizer container. Run engine at least 5 minutes after adding stabilizer to allow the stabilizer to reach the carburetor. You do not have to drain the fuel tank for storage if you are using fuel stabilizer.

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

40:1 2-CYCLE AIR-COOLED ENGINE OIL

CRAFTSMAN 40:1 2-cycle engine oil (AIR-COOLED) is strongly recommended. This oil is specially blended with fuel stabilizers for increased fuel stability (extends fuel life up to 5 times longer) and reduced smoke.

If CRAFTSMAN 40:1 2-cycle engine oil (AIR-COOLED) is not available, use a good quality 2-cycle engine oil (AIR-COOLED) that has a recommended fuel mix ratio of 40:1.

IMPORTANT! Do not use:

- AUTOMOTIVE OIL
- BOAT OILS (NMMA, BIA, etc.)

These oils do not have proper additives for 2-cycle (AIR-COOLED) engines and can cause engine damage.

GASOLINE AND OIL MIXTURE

Mix gasoline and oil as follows:

- Consult chart for correct quantities.
- Do not mix gasoline and oil directly in the unit's fuel tank.

FOR ONE GALLON:

- Pour 3.2 ounces of high quality, 40:1 2-cycle engine oil (AIR-COOLED) into an empty, approved one gallon gasoline container.
- Add one gallon of regular unleaded gasoline to the gallon container, then securely replace the cap.
- Shake the container.
- The mixture is now ready for use. Fuel stabilizer can be added at this time if desired; follow mixing instructions on the label.

FUEL MIXTURE CHART

40:1 Fuel:Oil Mix Ratio

<u>Gasoline</u>	<u>Oil (fl.oz.)</u>
1 gallon	3.2
2.5 gallons	8.0

NOTE: Fuel containers may hold more than the specified amount. If too much gasoline is in the container, the resulting gas-to-oil fuel mixture will not be correct for proper engine operation.

OPERATION

STOPPING YOUR ENGINE

- Move on/off switch to the "Off" position.
- If engine does not stop, move choke lever to the full choke position.



WARNING:
ALWAYS WEAR GLOVES; SAFETY FOOTWEAR, SNUG-FITTING CLOTHING; AND EYE, HEARING, AND HEAD PROTECTION DEVICES WHEN OPERATING AN EDGER.

THE CUTTING BLADE WILL TURN WHEN THE ENGINE STARTS.

AVOID ANY CONTACT WITH THE MUFFLER. A HOT MUFFLER CAN CAUSE SERIOUS BURNS.

TO START ENGINE (Fig. 7, 8 & 9)

COLD ENGINE START AND WARM ENGINE START AFTER RUNNING OUT OF FUEL

- Fuel engine with 40:1 fuel mix (3.2 oz. to 1 gal. gas).
- Turn on ignition by moving "On/Off" switch to the "On" position.
- Move the choke lever to "Full Choke" position.
- Slowly press the primer bulb 6 times.
- 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 the choke lever to the "Half Choke" position.
- Pull the starter rope sharply until the 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 the 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

- Move "On/Stop" switch to the "On" position.
- Move the choke lever to the "Half Choke" position.
- 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."

DIFFICULT STARTING OR FLOODED ENGINE

The engine may be flooded with too much fuel if it has not started after 10 pulls, with the choke in the full position.

Flooded engines can be cleared of excess fuel with the following procedure:

- Verify that the "On/Off" switch is in the "On" position.
- Squeeze and hold the throttle trigger.
- Pull starter rope handle until engine starts.

Starting could require pulling starter rope handle many times depending on how badly unit is flooded.

If engine still fails to start, refer to "TROUBLE SHOOTING" chart or call the 1-800 number listed on the front page of this manual.

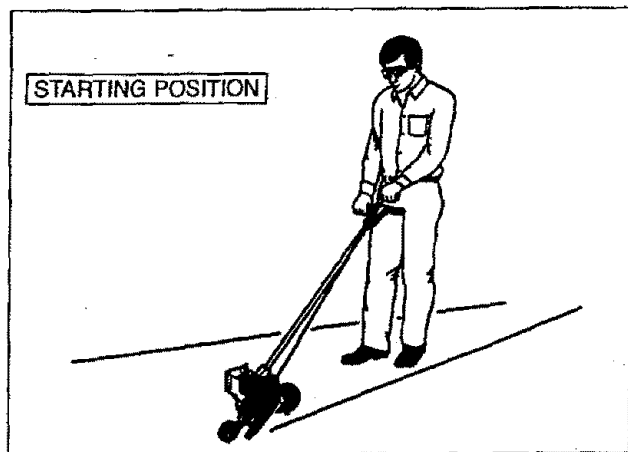


Figure 7

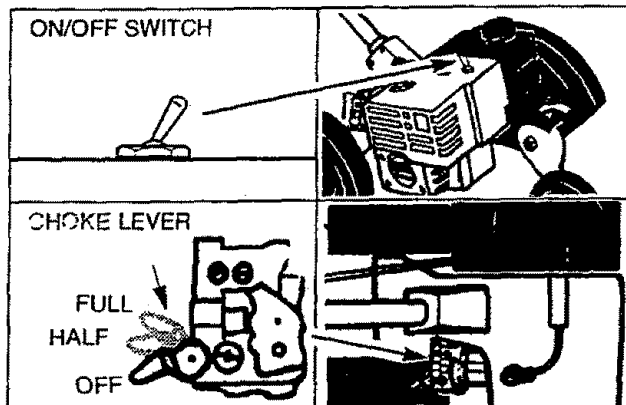


Figure 8

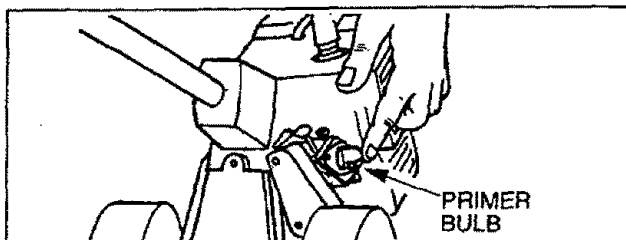


Figure 9

OPERATION

EDGING (Fig. 10)

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.

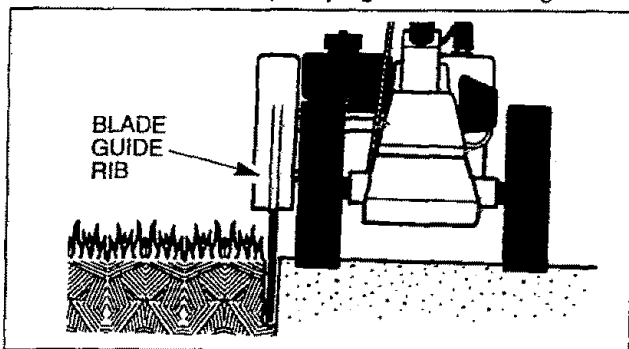


Figure 10

SETTING THE EDGING DEPTH (Fig. 11)



WARNING:
NEVER ATTEMPT TO ADJUST THE EDGING DEPTH WHEN THE ENGINE IS RUNNING. ALWAYS RELEASE THE THROTTLE TRIGGER, WAIT UNTIL THE BLADE STOPS TURNING, MOVE THE IGNITION SWITCH TO THE "OFF" POSITION, AND DISCONNECT THE 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 EDGING DEPTH, DO THE FOLLOWING:

- Move the depth control lever rearward for half depth edging. Figure 11.
- Move the depth control lever forward for full depth edging.

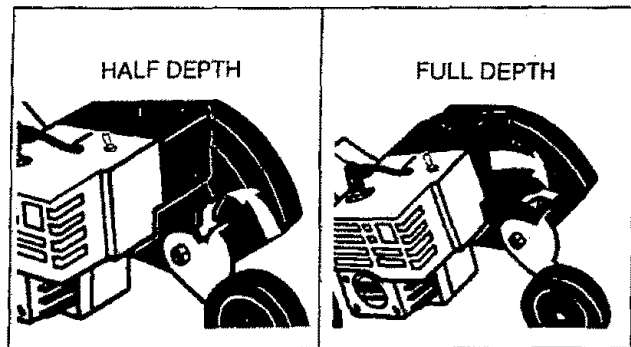


Figure 11

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 the ground.
- Always work going away from others.

OPERATION SAFETY

EDGER SAFETY



DANGER:
THIS POWER UNIT CAN BE DANGEROUS! THIS UNIT CAN CAUSE SERIOUS INJURY INCLUDING AMPUTATION OR BLINDNESS TO THE OPERATOR AND OTHERS. THE WARNINGS AND SAFETY INSTRUCTIONS IN THIS MANUAL MUST BE FOLLOWED TO PROVIDE REASONABLE SAFETY AND EFFICIENCY IN USING THIS UNIT. THE OPERATOR IS RESPONSIBLE FOR FOLLOWING THE WARNINGS AND INSTRUCTIONS IN THIS MANUAL AND ON THE UNIT. READ THE ENTIRE OPERATOR'S MANUAL BEFORE USING THIS UNIT! RESTRICT THE USE OF THIS POWER UNIT TO PERSONS WHO READ, UNDERSTAND, AND FOLLOW THE WARNINGS AND INSTRUCTIONS IN THIS MANUAL AND ON THE UNIT.



OPERATOR SAFETY

- Read the entire operator's manual before assembling and using this unit. Restrict the use of this power unit to persons who read, understand, and follow the warnings and instructions in this manual and on the unit.
- Always wear eye protection. The blade guard will not prevent rocks and debris from being thrown or ricocheting into the eyes and face which can result in loss of vision or serious injury. See the "Accessories" section.
- Always wear heavy, long pants, boots, and gloves. Do not go barefoot or wear short pants or sandals. Loose clothing, jewelry, or clothing with loosely hanging straps, ties, tassels, etc., can be caught in moving parts. Secure hair so it is above shoulder length. Being fully covered will help protect you from pieces of toxic plants such as poison ivy thrown by the blade, which could be more of a hazard than touching the plant itself.
- Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
- Keep handle free of oil and fuel.

UNIT SAFETY

- Inspect the entire unit before each use. Replace damaged parts. Check for fuel leaks and make sure all fasteners are in place and securely fastened.
- Be sure the shield is properly attached. The shield must be installed when using the unit.
- Make sure the blade is properly installed and securely fastened. Refer to the "Assembly" section.
- 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.
- Rest the unit on all three wheels on level ground away from trees, bushes, onlookers, etc. Push down on the handle when starting the engine to prevent the blade from making contact with the ground or any other object. Do not allow the blade to make contact until you are ready to begin edging.

EDGING SAFETY

- Inspect the area to be cut before each use. Remove objects (rocks, broken glass, nails, wire, string, etc.) which can be thrown or become entangled in the blade.
- Always keep the unit in front of your body. Hold the handle firmly with both hands.
- Keep firm footing and balance. Do not overreach.
- Keep wheels in contact with the ground
- Do not raise the engine off of the ground. The blade can come dangerously close to your body.
- Cut at full throttle
- Direct the discharge of debris away from people, animals, glass and solid objects such as trees, automobiles, walls, etc.. The spinning blade may cause rocks, dirt, sticks, etc., to be thrown or to ricochet which may hurt people or animals, break glass, or cause other damage.
- Do not use edger on graveled surfaces or in extremely muddy areas.
- Always push the unit slowly over rough ground. Stay alert for uneven sidewalks, holes in the terrain, or other similar conditions.
- Use only for jobs explained in this manual.

CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE

Fill in dates as you complete regular service	Before Use	After Use	Every 5 Hrs.	Yearly	Service Dates			
Check for damaged or worn parts	✓							
Check for loose fasteners and parts	✓							
Clean unit and labels		✓						
Clean air filter			✓					
Check or replace Blade			✓					
Replace spark plug				✓				
Replace fuel filter				✓				

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.

Some 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 a 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 maintenance schedule in this manual.



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

The following damaged or worn parts should be referred 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 restart your engine and continue.
- Fuel Tank — discontinue use of edger if fuel tank shows signs of damage or leaks.
- Blade Guard — replace blade guard if bent, cracked or damaged in any way.

CHECK FOR LOOSE OR WORN 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 the unit with a clean dry cloth.

EVERY 5 HOURS

CLEAN AIR FILTER (Fig. 12)

A dirty air filter decreases the life and performance of the engine and increases fuel consumption and harmful emissions

Always clean your air filter after 5 tanks of fuel or 5 hours of operation, whichever is less. Clean more frequently in dusty conditions. A used air filter can never be completely cleaned. It is advisable to replace your air filter with a new one after every 50 hours of operation or annually, whichever is less.

- Remove the two screws and the air filter cover from the engine. Figure 12.
- Remove air filter.
- Wash filter in soap and water.
- Squeeze filter dry and replace in cover.
- Add 4 or 5 drops of oil to the air filter.
- NOTE:** Do not soak the air filter with oil.
- Squeeze the air filter to distribute the oil.
- Reinstall the air filter cover.

NOTE: When reinstalling the air filter, be sure the air filter is fitted into the corners of the cover to keep dust from entering engine and causing engine damage.

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

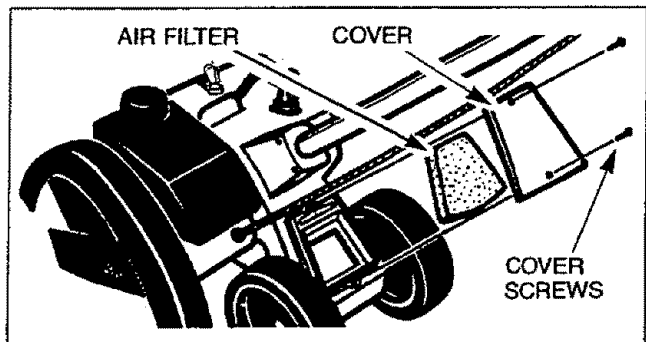


Figure 12

CUSTOMER RESPONSIBILITIES

CHECK OR REPLACE BLADE (Fig. 13)



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 RE-USE A DAMAGED BLADE. USE ONLY RECOMMENDED SEARS REPLACEMENT BLADES.

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 and inspect the blade for flatness. Throw away a blade that is not flat.

TO REPLACE THE BLADE:

- Bind the blade by inserting a screwdriver into the hole in the gearbox. Fig. 13. Then, remove the nut, washer, and blade from the blade shaft.
- Reverse the blade, or replace it with the recommended Sears replacement blade.
- Place the blade on the blade shaft, match the flat area of the blade opening with the flat side of the shaft.
- Install washer, making sure to install the cupped side facing the blade.
- Install the nut by threading counterclockwise on the blade shaft.
- Bind the blade by inserting a screwdriver into the hole in the gearbox and tighten the nut with a wrench until the washer is flattened firmly against the blade.

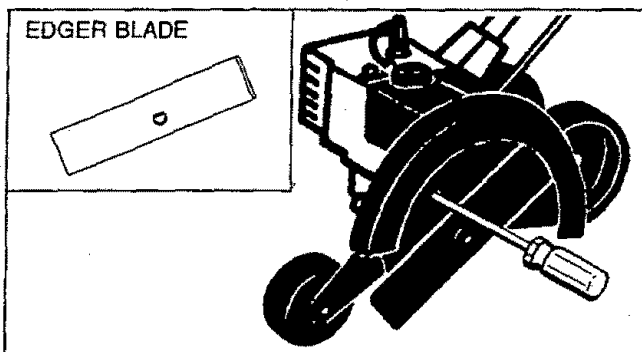


Figure 13

YEARLY REPLACE THE SPARK PLUG (Fig. 14)

The spark plug should be replaced each year to ensure the engine starts easier and runs better.

Spark Plug gap should be .025"

- Twist, then pull off the spark plug boot.
- Remove spark plug from cylinder and discard.
- Replace with correct spark plug and tighten with 3/4" socket wrench (10-12 ft-lbs.)

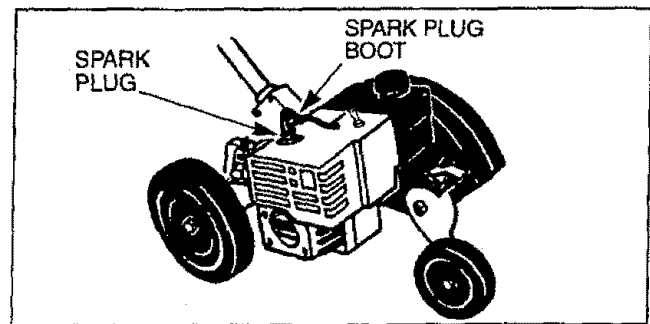


Figure 14

REPLACE FUEL FILTER (Fig. 15 & 16)

The fuel filter should be replaced after each season. Never operate your edger without a fuel filter. Be careful not to damage fuel line while removing the fuel filter.

- Run fuel tank dry of fuel before replacing fuel filter.
- Move "On/Off" switch to the "Off" position.
- Remove the fuel cap and allow it to hang to side of motor.
- Using a small pair of needle nose pliers, grasp fuel cap retainer, holding it in tank opening and pull out.
- With cap out of tank, use a small section of bent wire similar to that shown in the illustration to catch fuel line and slowly pull from tank. When fuel filter appears in opening, grasp with fingers and remove from tank.
- Once filter is out of tank, hold fuel line close to fuel filter. Remove fuel filter by twisting and pulling at the same time.
- Replace fuel filter.
- Reverse process for installation.

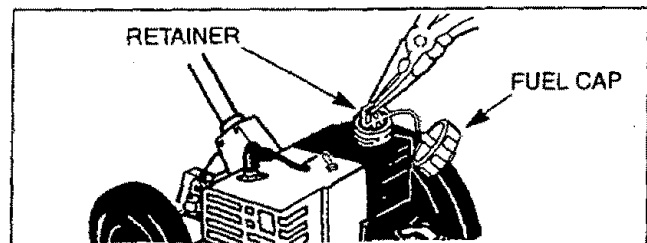


Figure 15

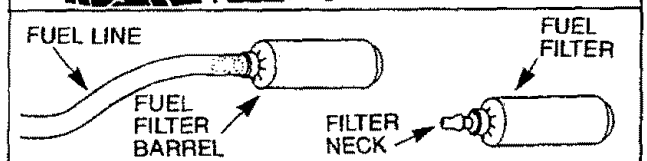
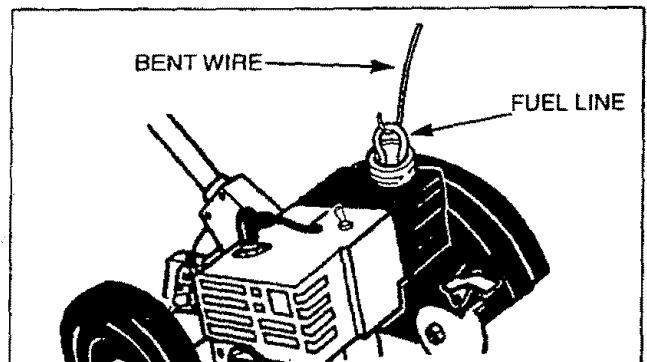


Figure 16

SERVICE AND ADJUSTMENTS

CARBURETOR ADJUSTMENTS

Carburetor adjustment is critical and if done improperly can permanently damage the engine as well as the carburetor. Please read all instructions and consult the Troubleshooting section of this manual before beginning this process. If the engine does not operate according to these instructions after repeating the adjusting steps, do not use the unit. For further assistance, please call our customer assistance hotline at 1-800-235-5878.



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.

If engine does not start, it may be flooded. If in doubt, read the section on flooded engine in the starting section of this manual prior to beginning any adjustments.

The carburetor has been adjusted at the factory for sea level conditions. Adjustments may become necessary if the saw is used at significantly higher altitudes or if you notice any of the following conditions:

- 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 Adjustment."
- Loss of cutting power which is not corrected by air filter cleaning. See "High Speed Mixture Adjustment."
- Engine will not run. See "Trouble Shooting Chart." Then, if the carburetor requires adjustment, begin with "Basic carburetor Settings."

NOTE: There are three adjustments on the carburetor.

- The Idle Speed Adjustment is marked with the letter "T."
- The two remaining adjustments on the carburetor are the mixture adjustments. One is marked "L" for low speed, and the other "H" for high speed.

CARBURETOR PRESETS (Fig. 17)

If your engine will not start due to suspected improper carburetor adjustment, the following presets may be required. If used, it is recommended that all steps within the adjustment procedure be completed in order to assure a properly set carburetor. If presets are not needed, proceed to section "Idle Speed Adjustment."

When making adjustments, be careful not to force the plastic limiter caps beyond the stops or damage will occur.

Very small adjustments can affect engine performance. It is important to make slight adjustments and test performance before proceeding. Each adjustment should be no more than 1/16 of a turn.

- Turn both of the **mixture adjustments** counterclockwise to the stops.
- Turn the **idle speed adjustment** clockwise until it stops. Now turn counterclockwise 3 turns.
- If engine fails to start after performing carburetor presets, the unit may be flooded. Review the "Difficult Starting" section of the manual. If problems continue call the 1-800 number listed on the front cover of this manual for further assistance.
- Start the engine and operate for three (3) minutes to warm up. Go to "Adjusting Procedure."

ADJUSTING PROCEDURE IDLE SPEED ADJUSTMENT "T"

- Allow the warm engine to idle.
- Adjust the Idle Speed until the engine continues to run without stalling and without the blade shaft moving.
 - Turn clockwise to increase engine speed if engine stalls or dies.
 - Turn counterclockwise to slow engine down and/or to keep the blade shaft from turning.
- No further adjustments are necessary if blade shaft does not move at idle speed and if performance is satisfactory.

ACCELERATION CHECK

- If the engine dies or hesitates instead of accelerating, turn the Low Speed Mixture Adjustment 1/16 of a turn at a time counterclockwise until you have smooth acceleration.
- Check the idle speed for stability and no blade movement. Adjust as necessary.
- Recheck for smooth acceleration and stable idle. Repeat process as necessary for acceptable performance.

LOW SPEED MIXTURE ADJUSTMENT "L"

- Allow engine to idle.
- Turn the Low Speed Mixture Adjustment slowly clockwise until the RPM starts to drop. Note the position.
- Turn the Low Speed Mixture Adjustment slowly counterclockwise until the RPM speeds up and starts to drop again. Note the position.
- Set the Low Speed Mixture at the midpoint between the two positions.
- Readjust idle speed. See "Idle Speed Adjustment."
- Repeat Acceleration Check for acceptable performance.

SERVICE AND ADJUSTMENTS

HIGH SPEED MIXTURE ADJUSTMENT "H"

IMPORTANT: 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 shaft 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 next two steps at full throttle.

- Turn the screw the minimum amount clockwise until the engine runs smoothly. Do not attempt to turn the 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" and "Idle Speed Adjustment".

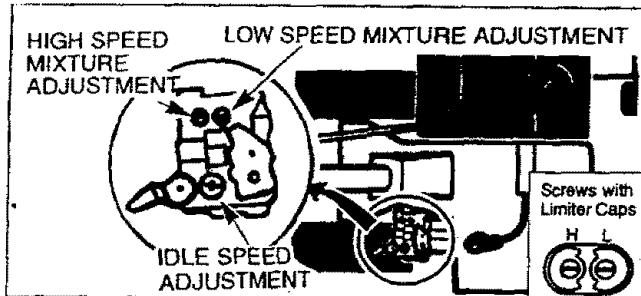


Figure 17

STARTER ROPE REPLACEMENT (Fig. 18, 19, 20, 21 & 22)



DANGER:
NEVER START THE ENGINE WITH GEAR BOX REMOVED; THE CLUTCH CAN FLY APART AND CAUSE SERIOUS INJURY.

DO NOT REMOVE THE WIRE CLIP TO REMOVE THE PULLEY. THE SPRING BENEATH THE PULLEY IS UNDER TENSION AND CAN FLY OUT AND CAUSE SERIOUS INJURY. IF ANY PART OF PULLEY HOUSING ASSEMBLY IS DAMAGED OTHER THAN THE ROPE, DO NOT USE THE UNIT. TAKE IT TO YOU SEARS SERVICE CENTER.

USE ONLY HAND TOOLS TO REMOVE THE CLUTCH. DO NOT USE ANY TYPE OF MOTORIZED TOOLS OR STRIKE THE CLUTCH IN ANY WAY. DOING SO CAN CAUSE THE CLUTCH TO FLY APART, RESULTING IN SERIOUS INJURY.

BE SURE THE CLUTCH IS COMPLETELY SEATED ON THE STARTER CUP BEFORE INSTALLING THE WASHER AND NUT. THE POSTS ON THE UNDERSIDE OF THE CLUTCH MUST BE POSITIONED IN THE HOLES IN THE STARTER CUP.

WHEN REINSTALLING THE GEAR BOX, MAKE SURE THE ROPE EYELET IS ASSEMBLED IN THE NOTCH ON THE SHROUD.

- Disconnect spark plug wire.
- Remove the three rubber screw hole plugs using needle nose pliers. Fig. 18.
- Remove the three gear box screws. Fig. 18.
- Separate the gear box from the engine.

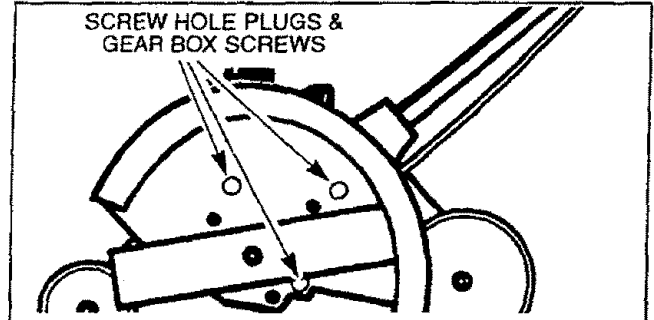


Figure 18

- Set the gas tank and fuel line retainer plate aside.
- Hold the "Flats" of the clutch with an adjustable wrench as shown in Figure 19 (inset). Remove the nut counterclockwise with a box wrench or another adjustable wrench.

NOTE: The clutch assembly will slide off the crankshaft intact. Do not disassemble the clutch assembly.

- Remove the clutch assembly.

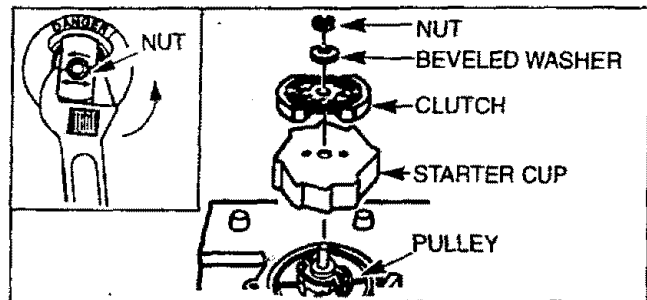


Figure 19

- Remove broken piece of rope, if any. Figure 20.
- Hand turn the pulley counterclockwise as far as it will go. Then, turn the pulley clockwise until the pulley notch is aligned with the housing notch next to the retaining tab and screw. Figure 20.
- Next, turn the pulley one complete turn clockwise until the notches are aligned again.
- Insert the small hex wrench into hole formed by the notches to hold pulley in position. Figure 20 (inset).
- Use a 72" (1.83meter) length of replacement rope.
- Move 10 feet (3 meters) away from the fuel tank with the replacement rope. Use a match and melt both ends of the rope to prevent fraying.
- Pull melted ends through a thick, clean rag while rope is still hot to obtain smooth, pointed ends.
- Insert one end of the rope through the handle and secure with a knot. Leave a 3/16 inch (4.8mm) tail behind the knot. Figure 20 (inset).

SERVICE AND ADJUSTMENTS

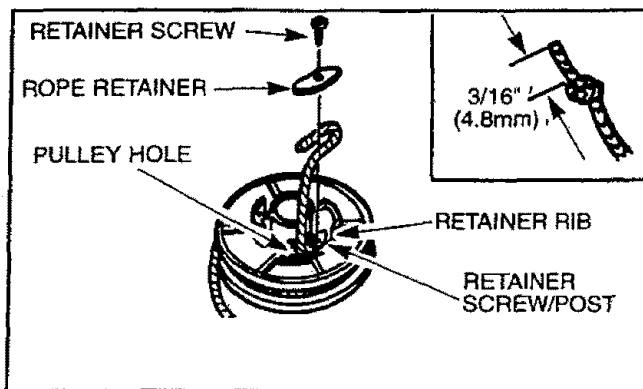


Figure 20

- Insert the end of the rope through the eyelet on the trigger handle, then through the eyelet in the notch on the engine shroud. Figure 21.
- Insert one end of the rope into the pulley and up through the pulley hole. Figure 20.
- Leave a 1 inch (2.5cm) tail laying between the retainer rib and the retainer screw post. Figure 20.
- Tighten the rope retainer screw until the bottom of the rope retainer is snug.
- Hold the rope taut at the rope exit hole so the pulley will not move. Remove the hex wrench and slowly feed the rope into the pulley.
- Follow steps for disassembly to reinstall.

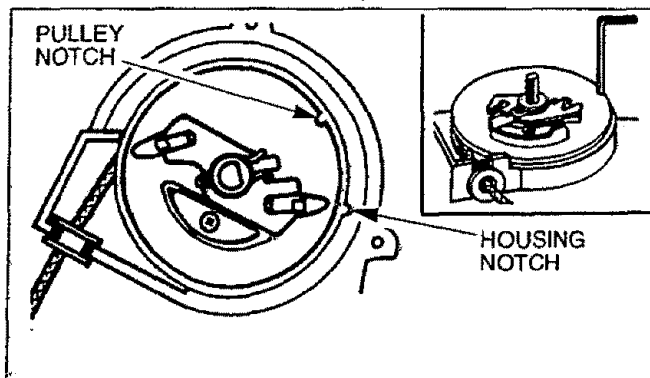


Figure 21

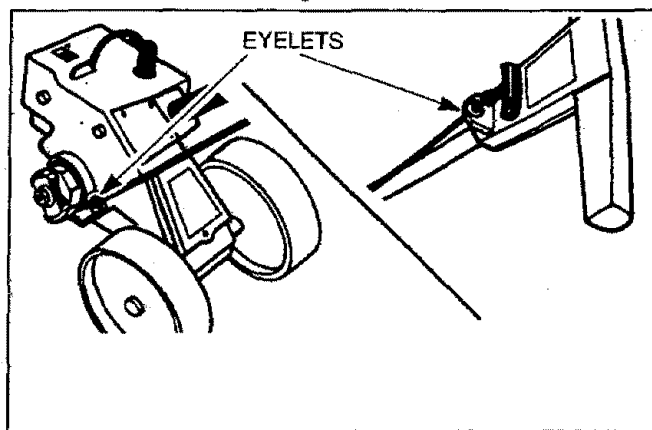


Figure 22

STORAGE

Immediately prepare your 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 THE UNIT BEFORE STORING OR TRANSPORTING IN A VEHICLE.

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 SO THAT ANY SHARP OBJECT CANNOT ACCIDENTALLY CAUSE INJURY TO PASSERS BY.

STORE THE UNIT 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.

GAS EDGER STORAGE INSTRUCTIONS

If your edger is to be stored for a period of time, clean it thoroughly prior to storage. Remove any dirt, grass, leaves, oil, grease, etc. Store in a clean dry area.

- Clean the entire unit.
- Clean air filter. Refer to "Customer Responsibilities."
- Inspect the guard area and clean any dirt, grass, or debris that has collected. Inspect the blade; replace a blade that is bent, warped, cracked, broken, or damaged in any other way.
- Lightly oil external metal surfaces to prevent rust from forming.
- 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.

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 the 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 of 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 specially 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 the recommended type and heat range. Refer to "Product Specifications."
- 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.
- Lightly oil external metal surface to prevent rust from forming.
- Use fresh fuel having the proper gasoline to oil ratio at the beginning of the 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 ARE STILL WARM.

TROUBLE SHOOTING POINTS

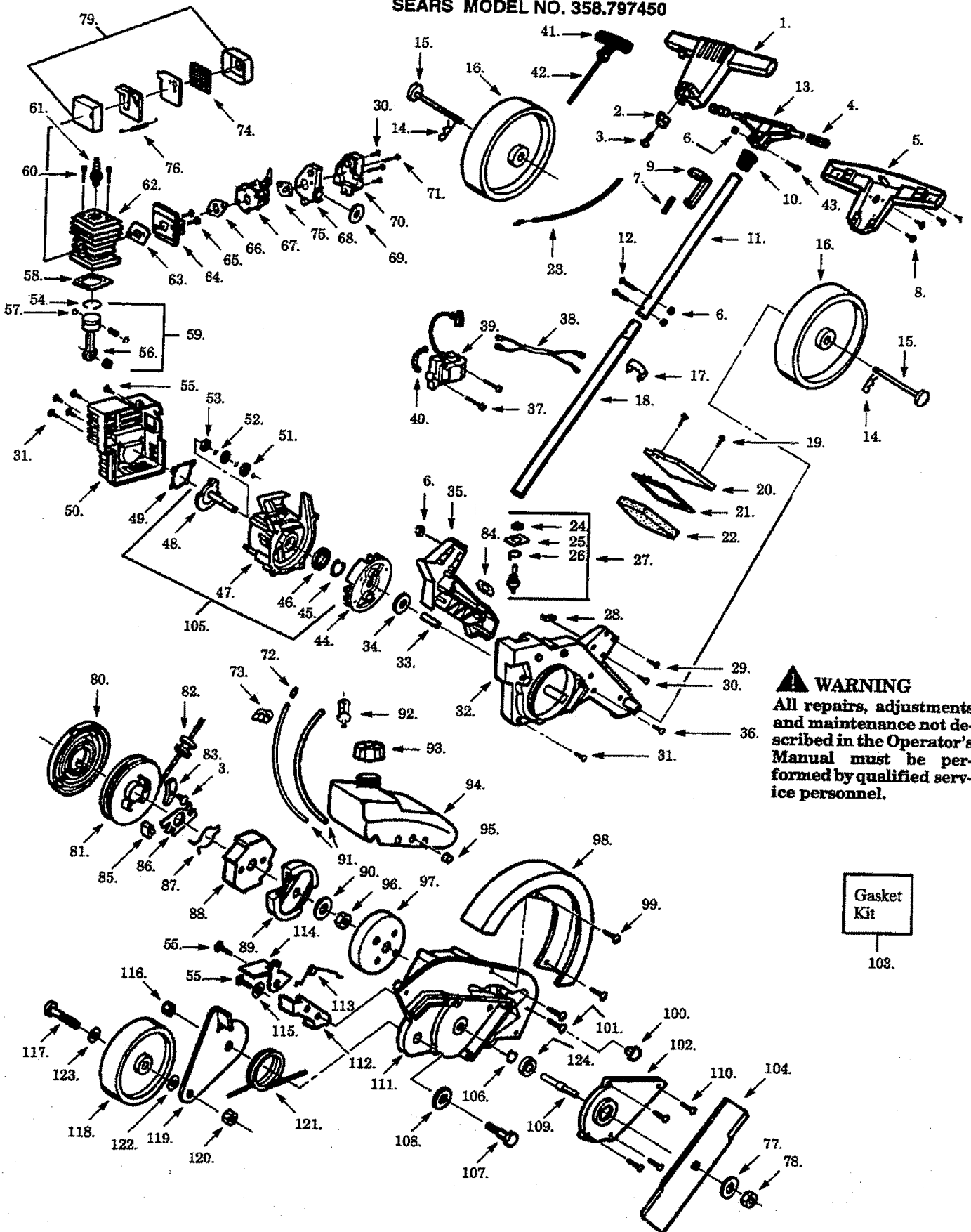
TROUBLE SHOOTING CHART

SYMPTOM	CAUSE	CORRECTION
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. Stop switch off. 7. 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 switch. 4. Replace fuel filter; inspect fuel line. 5. See "Carburetor Adjustments." 6. Move switch to the "START" position. 7. Contact your Sears Service Center/Dept.
Engine will not idle properly.	<ol style="list-style-type: none"> 1. Idle speed set too fast or too slow. 2. Low speed mixture requires adjustment. 3. Crankshaft seals worn. 4. Compression low. 5. None of the above. 	<ol style="list-style-type: none"> 1. See "Carburetor Adjustments." 2. See "Carburetor Adjustments." 3. Contact your Sears Service Center/Dept. 4. Contact your Sears Service Center/Dept. 5. Contact your Sears Service Center/Dept.
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. Compression low. 6. None of the above. 	<ol style="list-style-type: none"> 1. Clean or replace air filter. 2. Clean or replace spark plug and re-gap. 3. See "Carburetor Adjustments." 4. Contact your Sears Service Center/Dept. 5. Contact your Sears Service Center/Dept. 6. Contact your Sears Service Center/Dept.
Engine smokes excessively.	<ol style="list-style-type: none"> 1. Air filter dirty. 2. Fuel mixture incorrect. 3. High speed mixture requires adjustment. 4. Choke partially on. 	<ol style="list-style-type: none"> 1. Clean or replace air filter. 2. Refuel with correct fuel mixture. 3. See "Carburetor Adjustments." 4. Rotate choke to "Off position."
Engine runs hot.	<ol style="list-style-type: none"> 1. Fuel mixture incorrect. 2. High speed mixture set too low (Lean). 3. Spark plug incorrect. 4. Muffler outlets plugged. 5. 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/Dept. 5. Contact your Sears Service Center/Dept.
Blade turns at idle speed.	<ol style="list-style-type: none"> 1. Idle speed 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/Dept.
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 adjustment. 3. Clutch requires repair. 	<ol style="list-style-type: none"> 1. Check gearbox. 2. See "Carburetor Adjustments." 3. Contact your Sears Service Center/Dept.

*If situations occur which are not covered in this manual, use care and good judgement.
If you need assistance, contact your SEARS Service Center/Department or the
CUSTOMER ASSISTANCE HOTLINE at 1-800-235-5878.*

REPAIR PARTS

SEARS MODEL NO. 358.797450



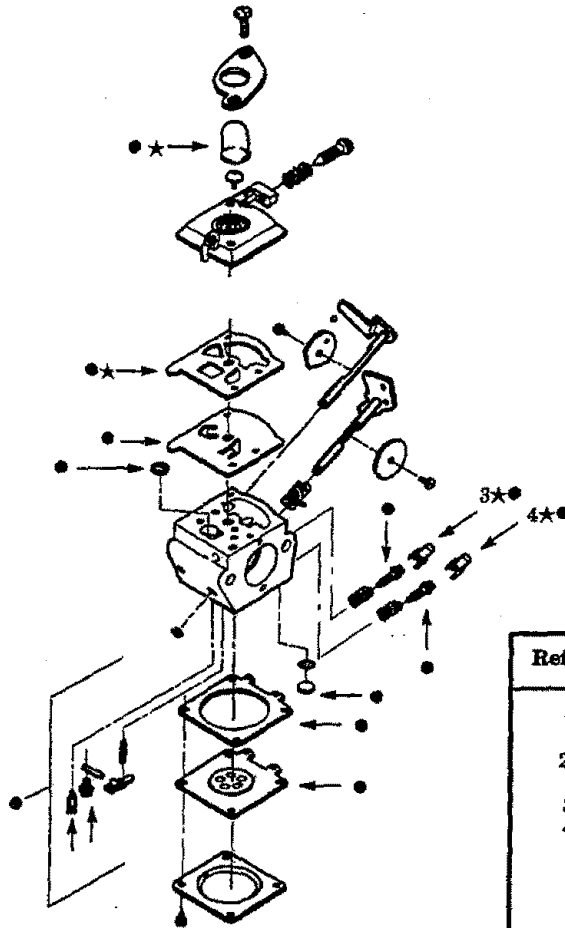
⚠ WARNING
 All repairs, adjustments and maintenance not described in the Operator's Manual must be performed by qualified service personnel.

Gasket Kit
 103.

REPAIR PARTS

SEARS MODEL NO. 358.797450

Carburetor Assembly
WT 308 - #530-069654



Carburetor
Repair
Kit

1

Primer
Bulb
Repair Kit

2

Ref.	Part No.	Description
1.	530-069658	Carburetor Repair Kit (● Indicates Contents)
2.	530-069712	Primer Bulb Repair Kit (★ Indicates Contents)
3.	530-038317	Limiting Cap-Low
4.	530-038318	Limiting Cap-High

NOTES

NOTES

NOTES

SEARS

Operator's Manual

Model No.
358.797450

**IF YOU NEED REPAIR
SERVICE OR PARTS:**

**REPAIR SERVICE
1-800-4-REPAIR
(1-800-473-7247)**

**ORDERING PARTS
1-800-FON-PART
(1-800-366-7278)**



**CUSTOMER
ASSISTANCE
1-800-235-5878**

HOURS (CST)
Mon. - Sat. 7 a.m. - 7 p.m.
Sun. 10 a.m. - 7 p.m.

CRAFTSMAN®

1.3 cu. in./21cc 2-CYCLE Gear Driven GASOLINE EDGER

Each Gasoline Edger has its own model number. The model number for your unit will be found on a decal attached to the unit.

All parts listed herein may be ordered from any Sears, Roebuck and Co. Service Centers and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

- PRODUCT - "GASOLINE EDGER"
- MODEL NUMBER - 358.797450
- PART NUMBER
- PART DESCRIPTION

Your Sears Merchandise has added value when you consider that Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained on Sears products, having the parts, tools and equipment to insure that we meet our pledge to you, we service what we sell.

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.