

IMPORTANT MANUAL

Do Not Throw Away

SEARS

**Operator's
Manual**

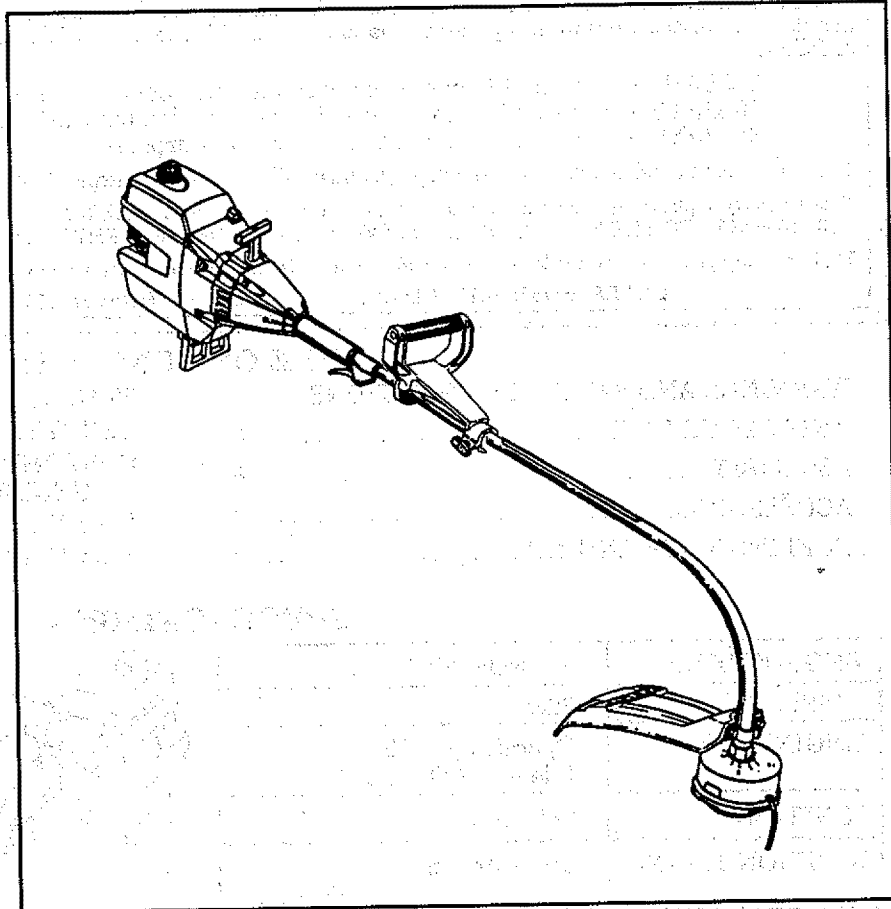
**Model No.
358.799250**

**CUSTOMER
ASSISTANCE**

1-800-235-5878

▲ 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[®]
32cc
2 CYCLE ENGINE
WEEDWACKER[®]**

- Assembly
- Operation
- Maintenance
- Repair Parts

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

ONE YEAR LIMITED WARRANTY ON CRAFTSMAN GAS-POWERED WEEDWACKER®

When this Craftsman Gas-Powered Weedwacker is maintained, lubricated, and tuned up according to the operating and maintenance instructions in the operator's manual, Sears will repair, free of charge, any defect in materials or workmanship as follows:

- 1 YEAR** - Parts and Labor, when used for household purposes.
- 90 DAYS** - Parts and Labor, if used for commercial, institutional, or professional purposes.
- 30 DAYS** - Parts and Labor, if used for rental purposes.

This warranty excludes nylon line, spark plug, and air filter, which are expendable parts and become worn during normal use.

This warranty applies only while this product is in use in the United States. **WARRANTY SERVICE IS AVAILABLE BY RETURNING THE WEEDWACKER TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES.**

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

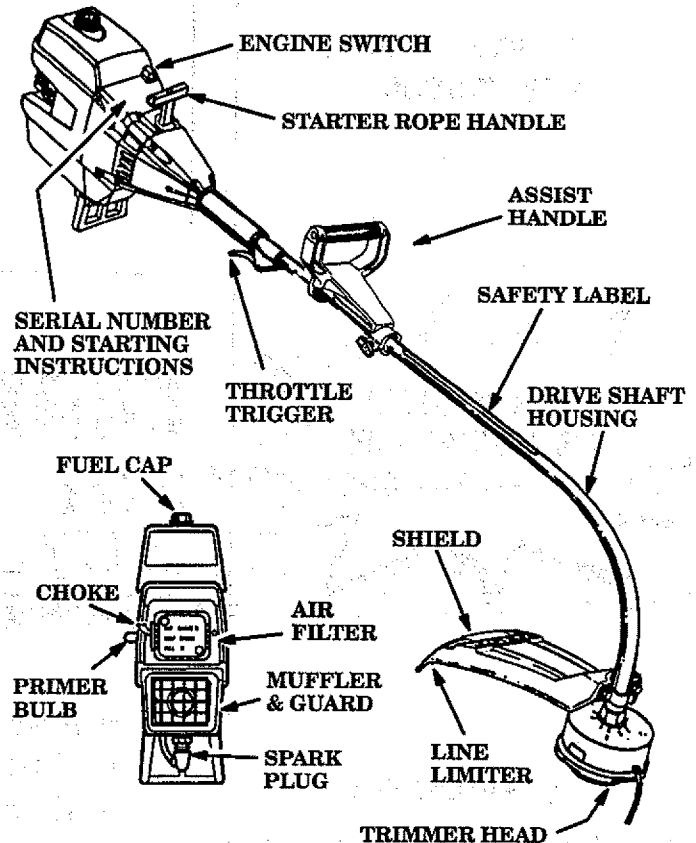
SEARS, ROEBUCK AND CO. DEPT. 817WA HOFFMAN ESTATES, IL 60179

TABLE OF CONTENTS

WARNINGS AND SAFETY INSTRUCTIONS ...	3	STARTING YOUR ENGINE	10
KNOW YOUR UNIT	5	USING YOUR TRIMMER	11
ASSEMBLY	6	CUSTOMER RESPONSIBILITY--	
ACCESSORIES	8	GENERAL MAINTENANCE	15
FUELING YOUR ENGINE	9	INDEX	21
		REPAIR PARTS LIST	22

SPECIFICATIONS

ENGINE TYPE:	2-Cycle, Air Cooled
DISPLACEMENT:	32cc
ENGINE RPM:	Operating--7500 Idle--2800 - 3200
IGNITION:	Solid State
IGNITION TIMING:	Spark Advance - Non-adjustable
CARBURETOR:	Diaphragm All Position With Adjustable Fuel Mixture Jet
ENGINE "OFF":	Positive Switch
STARTER:	Auto Rewind
MUFFLER:	Temperature Limiting (not spark arresting)
CUTTING PATH:	17"
FUEL TANK:	400cc
SPARK PLUG:	71-85854 (CJ-14)
SPARK PLUG GAP:	.025"
MODULE AIR GAP:	.010" to .014"
LUBRICATION:	Gasoline/Oil Mixture - 40:1 (see "Fueling Your Engine")
CUTTING LINE:	.080" Diameter Sears Laser Line®



MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS:
4,036,912; 4,052,789; 4,236,312; 4,286,675; 4,290,200; 4,352,243; 4,368,621; 4,368,622;
4,451,983; 4,798,185; 4,819,742; 4,823,465; 4,825,548; 4,835,667; 4,841,928; 4,852,258;
4,897,923; 4,940,028; 5,020,223; & D304,186. OTHER U.S. AND FOREIGN PATENTS
PENDING.

Laser Line® is trademark of WCI Outdoor Products, Inc.
NOTE: Illustrations may differ from actual parts due to design changes.

SPECIAL NOTICE

For users on U.S. Forest Land in the states of California, Maine, Oregon, and Washington. All U.S. Forest Land and the states of California (Public Resources Codes 4442 and 4443), Oregon, and Washington require, by law, that certain internal combustion engines operated on forest, brush, and/or grass-covered areas be equipped with a spark arrester, maintained in effective working order, or the engine 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 this item is required in your area, contact your nearest Sears Service Center/Department for the correct kit.

▲ WARNINGS AND SAFETY INSTRUCTIONS

(See Additional Safety Instructions throughout this Manual)

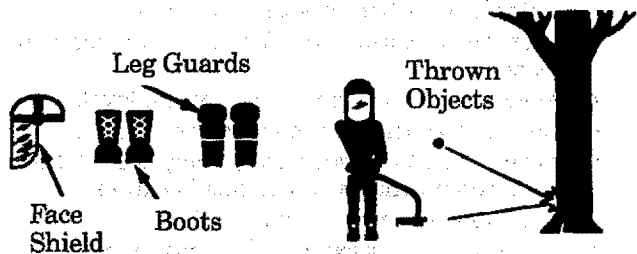
▲ WARNING – THIS POWER TOOL CAN BE DANGEROUS! This unit can cause serious injury or blindness to the operator and others. The warnings and safety instructions in this manual must be followed to provide reasonable safety and efficiency in using this unit. The operator is responsible for following the 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 tool to persons who read, understand and follow the warnings and instructions in this manual and on the unit.



▲ DANGER

BLADES OR SLINGING HEADS CAN COME OFF AND CAUSE SERIOUS INJURY.

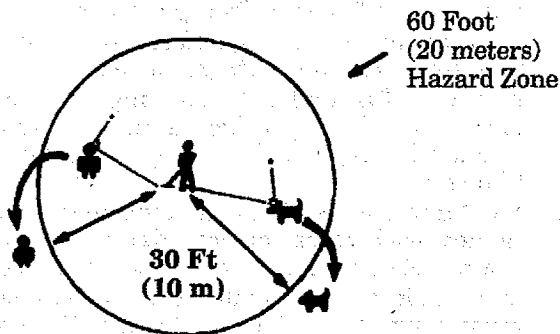
- THIS UNIT IS DESIGNED FOR LINE TRIMMER USE ONLY
- NEVER USE ANY OTHER CUTTING ATTACHMENT WITH THIS UNIT.



▲ WARNING

TRIMMER LINE CAN THROW OBJECTS VIOLENTLY.

- YOU CAN BE BLINDED OR INJURED.
- WEAR EYE AND LEG PROTECTION.



▲ WARNING

HAZARD ZONE FOR THROWN OBJECTS

- TRIMMER LINE CAN THROW OBJECTS VIOLENTLY.
- OTHERS CAN BE BLINDED OR INJURED.
- KEEP PEOPLE AND ANIMALS 30 FEET (10 METERS) AWAY.



Operator's Manual



Safety Labels

▲ WARNING

READ OPERATOR'S MANUAL.

- FOLLOW ALL WARNINGS AND INSTRUCTIONS.
- FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY.

WARNINGS AND SAFETY INSTRUCTIONS...(Continued)

▲ OPERATOR SAFETY

- Always wear safety eye protection.
- Always wear long pants, long sleeves, boots and gloves. Wearing safety leg guards is recommended. Do not go barefoot or wear sandals, jewelry, short pants, short sleeves, loose clothing, or clothing with loosely hanging ties, straps, tassels, etc.; they can be caught in moving parts.
- Secure hair so it is above shoulder length.
- Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Wear hearing protection if you use this unit for more than 1-1/2 hours per day.
- Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
- Keep handles free of oil and fuel.

▲ UNIT/MAINTENANCE SAFETY

- Look for and replace damaged or loose parts before each use. Look for and repair fuel leaks before use. Keep the unit in good working condition.
- Replace trimmer head parts that are chipped, cracked, broken, or damaged in any other way before using the unit.
- Use only .080" diameter SEARS Laser Line. Never use wire, rope, string, etc.
- Make sure the unit is assembled correctly as listed in this manual.
- Make carburetor adjustments with the lower end supported to prevent the trimmer line from contacting any object.
- Keep others away when making carburetor adjustments.
- Disconnect the spark plug before performing maintenance except carburetor adjustments.
- Use only genuine SEARS accessories and replacement parts as recommended for this unit.

▲ FUEL SAFETY

- Mix and pour fuel outdoors.
- Keep away from 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 engine.

- Move at least 10 feet (3 meters) away from fueling site before starting engine.
- Stop engine and allow the engine to cool before removing fuel cap.
- Empty the fuel tank before storing the unit. Use up fuel left in the carburetor by starting the engine and letting the engine 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.

▲ CUTTING 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 trimmer head.
- Keep others including children, animals, bystanders and helpers outside the 60 foot (20 meter) Hazard Zone. Stop the engine immediately if you are approached.
- Always keep the engine on the right-hand side of your body.
- Hold the unit firmly with both hands.
- Keep firm footing and balance. Do not over-reach.
- Keep the trimmer head below waist level.
- Do not raise the engine above your waist.
- Keep all parts of your body away from trimmer head and muffler when engine is running.
- Cut from your right to your left.
- Use only for jobs explained in this manual.

▲ TRANSPORTING AND STORAGE

- Stop the unit before transporting.
- Keep the muffler away from your body.
- Allow the engine to cool, and secure the unit before storing or transporting in a vehicle.
- Empty the fuel tank before storing or transporting the unit. Use up fuel left in the carburetor by starting the engine and letting the engine 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.
- Store unit so line limiter cannot accidentally cause injury. The unit can be hung by the bracket below the engine or by drive shaft housing.
- Store the unit out of the reach of children.

If situations occur which are not covered in this manual, use care and good judgment.

*If you need assistance, contact your SEARS Service Center/Department or the
CUSTOMER ASSISTANCE HOTLINE, 1-800-235-5878.*

SAFETY NOTICE

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

KNOW YOUR UNIT

A. INTRODUCTION

Your Trimmer is a versatile product developed for large lawns and to make short work of a variety of lawn care tasks -- trimming, scalping, mowing, and sweeping.

Special Features Include:

- Centrifugal Clutch
- All-Position Carburetor
- Adjustable Anti-Vibe, Assist Handle
- Semi-Automatic Line Feed
- 17" Cutting Path

B. UNPACKING INSTRUCTIONS

1. After removing the contents from the carton, check parts against the Carton Contents list.
2. Examine the parts for damage. Do not use damaged parts.
3. *Notify your Sears Service Center/Department immediately if a part is missing or damaged.*

NOTE: Your unit has been shipped with a plastic shipping guard over the primer bulb (see "Specifications" for location). Remove and discard the plastic shipping guard.

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

C. CARTON CONTENTS

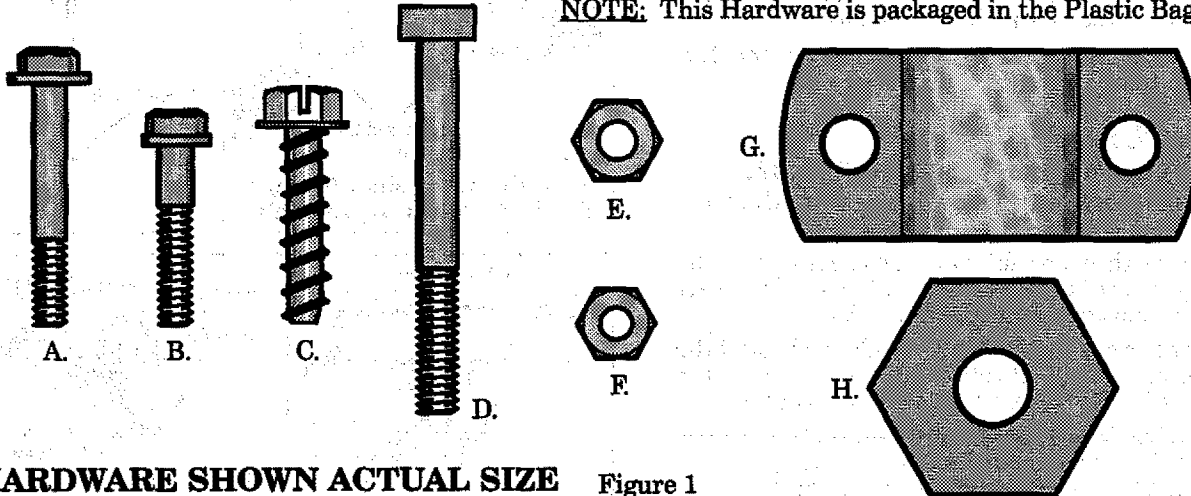
KEY NO.	QTY
• Engine	1
• Drive Shaft Assembly w/Safety Label	1
• Shield	1
• Trimmer Head	1
• Assist Handle	1
• Operator's Manual	1
• Loose Parts Bag	1

LOOSE PARTS BAG CONTENTS:

• Hex Wrench	1
• Engine Oil	1
A. Hex Socket Screw - Front Shroud	2
B. Hex Socket Screw - Throttle Hsg.	1
C. Screw - Shield	2
D. Hex Head Screw - Assist Handle	1
E. Nut - Assist Handle	1
F. Lock Nut	3
G. Bracket - Shield	1
H. Dust Cup - Drive Shaft Housing	1

D. HARDWARE USAGE

Refer to the Hardware reference letters below during assembly.
NOTE: This Hardware is packaged in the Plastic Bag.



HARDWARE SHOWN ACTUAL SIZE Figure 1

ASSEMBLY

(If tool is received assembled, repeat all steps in this section to be sure assembly is correct and is adjusted for the operator.)

A. PREPARATION

This Operator's Manual is designed to help you assemble the tool and to provide its safe operation. It is important that you read the entire manual to become familiar with the tool *before* you begin assembly or call our CUSTOMER ASSISTANCE HOTLINE at 1-800-235-5878.

1. Read your Operator's Manual

2. Tools you will need:

- Hex Wrench provided with the tool.
- Adjustable Wrench
- Standard Screwdriver

B. TUBE

- Place the two screws "A." into the holes on the engine as shown in the illustration.
- Position the locknuts "F." in the lower holes.
- Tighten the screws with the hex wrench (provided) just enough to hold the hardware together while holding the locknuts with your other hand.
- Remove the packing cover from the straight end of the shaft housing if so equipped. Your unit may not have a packing cover.

NOTE: Make sure the shaft inside the tube does not fall out of the tube. Dirt on the shaft will significantly reduce the life of the unit. If the drive shaft falls out of the housing, clean, re-lubricate, and re-install. See "Drive Shaft Lubrication" in the Maintenance section.

- Align the bottom groove on the tube with the ridge on the lower wall of the engine opening.
- Turn the shaft to align the square end of the shaft with the square hole inside the front opening of the engine.
- Firmly push the tube into the engine opening until the top groove is no longer visible.
- Tighten screws "A." alternately with the hex wrench until secure.

C. THROTTLE CABLE

CAUTION: Do not bend the throttle cable.

- Slide the throttle trigger housing from the foam grip about 1" to 1-1/2". Figure 2.
- Insert the throttle cable through the tunnel in the foam grip until the end of the cable extends at least 2 inches beyond the grip. Figure 3.
- Hold the trigger away from the tube and insert the barrel end of the throttle cable into the round opening in the trigger as shown in Figure 3.

NOTE: When inserting the barrel end of the throttle cable into the round opening in the trigger, make sure that the barrel is completely inserted and the throttle cable is located in the split in the arm. Figure 4.

- Push the cable back into the split in the arm. Figure 3. Guide the arm into the foam grip tunnel until the throttle trigger housing is flush against the grip. Figure 5.
- Squeeze and hold trigger against foam grip. Then install screw "B." and nut "F." Figure 5.

CAUTION: Do not overtighten screw. There must be at least 1/8" free play in the trigger. Figure 5. Make sure trigger will move freely so the trimmer can fully return to idle when the trigger is released. The trimmer head must not turn at idle speed to avoid serious injury to the operator and others.

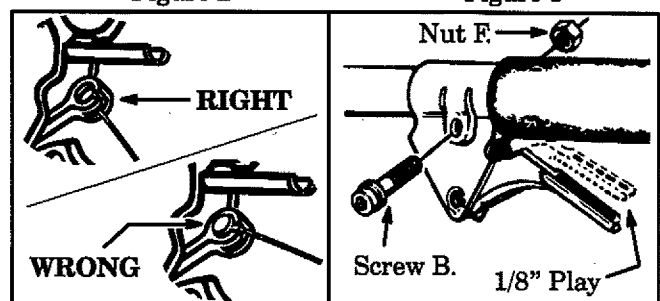
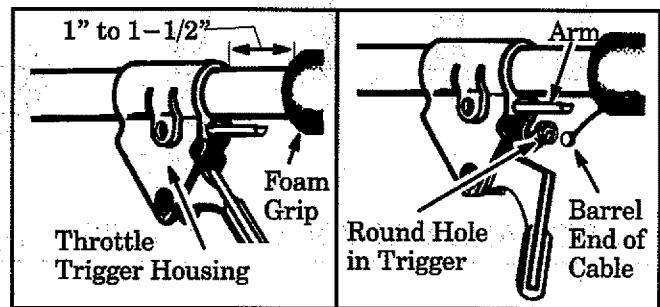
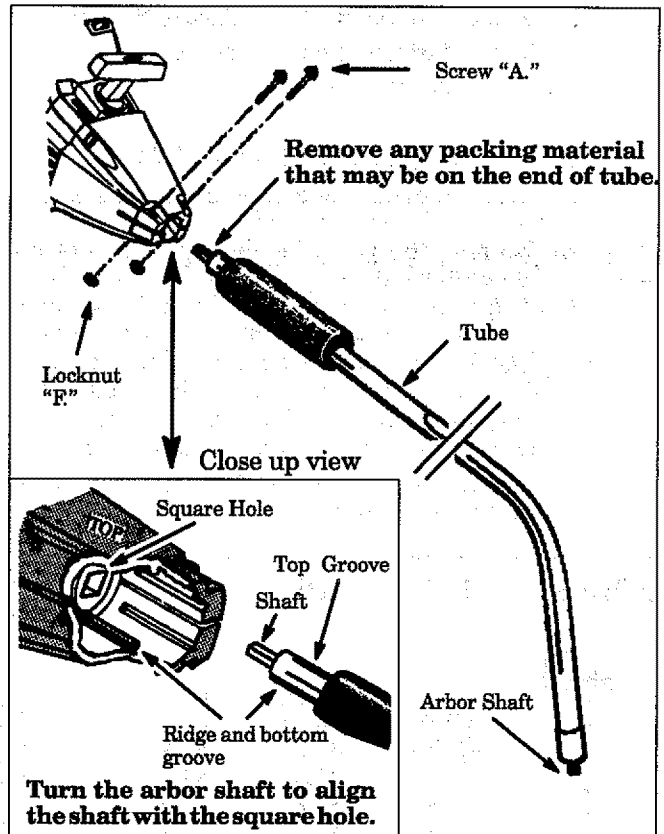


Figure 4

Figure 5

D. ASSIST HANDLE

ASSIST HANDLE

- Drop threaded end of screw "D." through the opening in the top of the T-handle. Figure 7.
- Pull on the threaded end of screw "D." to bring the square head of the screw past the pin inside the T-handle. Figure 7.
- Align the assist handle between the safety label and the end of the tube. Figure 6. Make sure hex recession in assist handle is on the left side of the tube.
- Seat nut "E." in the hex-shaped recession on the back side of the assist handle.
- Insert the threaded end of the T-handle screw through the hole in the assist handle and tighten firmly by hand only.

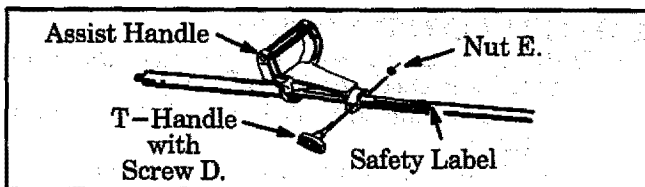


Figure 6

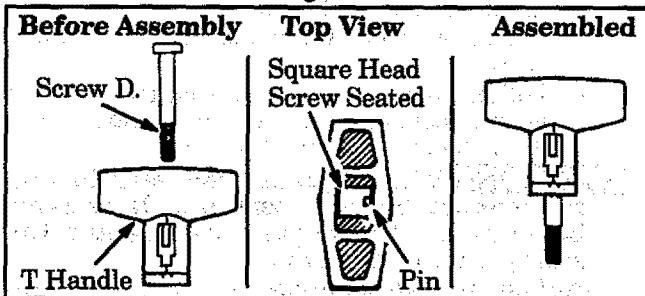
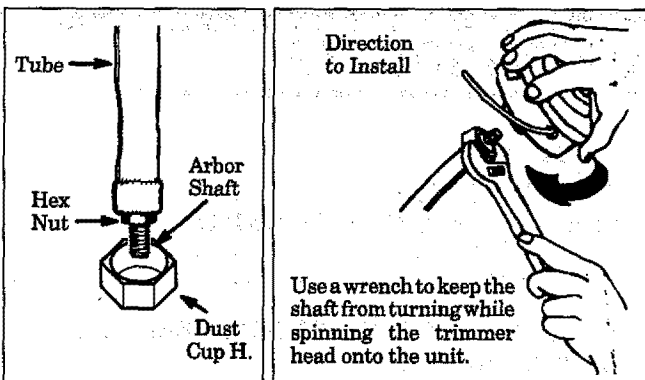


Figure 7

E. TRIMMER HEAD

- Place dust cup "H." over the hex nut on the bottom of the tube - see illustration. The hex nut should fit completely inside dust cup "H."
- Hold dust cup "H." with a wrench to keep the arbor shaft from turning.
- Thread the trimmer head onto the arbor shaft against dust cup "H." and hand tighten firmly.

NOTE: Unless trimmer head is tightened adequately, it can unthread when engine is started or stopped. If this situation occurs, reinstall the trimmer head and tighten more securely.



F. SHIELD ATTACHMENT

▲ WARNING

The shield must be properly installed. The shield provides partial protection from the risk of thrown objects to the operator and others and is equipped with a line limiter which cuts excess line to the proper length.

▲ WARNING

Failure to install shield in the position shown in Figure 8 can result in serious injury to the operator. The length of the shield must be aligned with the length of the tube. Direct widest part of shield toward engine.

CAUTION: The line limiter (on the underside of the shield) is sharp and can cut you.

- Match key (raised area) on the shield with the "V" slot on the tube. Figure 8.
- Rest bottom of shield on top of shoulder (not on the dust cup) of tube. Figure 8.

NOTE: The bottom of shield must rest on top of the shoulder of the tube and not on dust cup.

- Install bracket "G." and screws "C." as shown in Figure 8.

NOTE: Although a screwdriver slot is provided in screws "C.", it is easier to install the screws with a wrench or socket.

- Tighten the screws evenly and securely.

NOTE: It is possible that a small space will be left between bracket "G." and the shield when the screws are fully tightened.

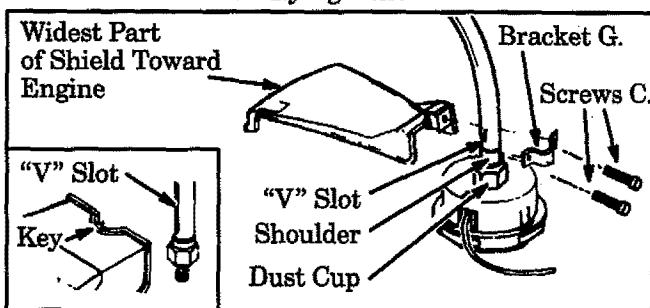


Figure 8

G. OPERATING POSITION

- Before starting the engine, stand as shown in Figure 9 and check for the following:
 - Left arm fully extended, hand holding assist handle.
 - Right arm slightly bent, hand holding foam pad, fingers on throttle trigger.
 - Engine below waist level.
 - Weight of tool evenly distributed between arms.
 - Without operator bending over, the trimmer head is near and parallel to the ground and easily contacts the material to be cut.

CAUTION: When adjusting the assist handle for comfort, be sure assist handle remains between throttle trigger housing and the safety label on the tube. 6.

- Adjust the assist handle up or down the drive shaft housing (*but above the safety labels*) to a comfortable position.
- Rotate assist handle from left to right to tilt the angle of the trimmer head when cutting a large, sloped area such as a ditch bank.

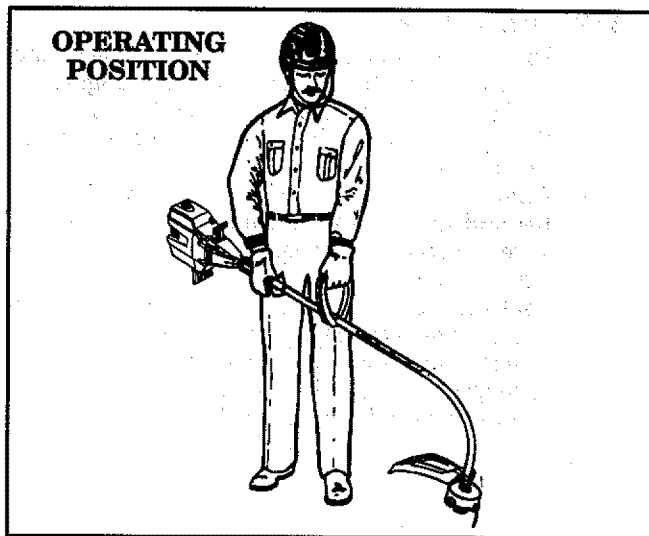


Figure 9

ACCESSORIES

ITEM	STOCK NO.
SAFETY GOGGLES	71-85707
SEARS 40:1 2-CYCLE ENGINE OIL	
--3.2 oz.	71-36552
--8 oz.	71-36555
--16 oz.	71-36553
SEMI-AUTOMATIC TRIMMER HEAD	71-85802
SPOOL W/LINE	71-85789
NYLON CUTTING LINE	
80 Ft. (.080 Dia.) Cutting Line	71-85773
200 Ft. (.080 Dia.) Cutting Line	71-85608
400 Ft. (.080 Dia.) Cutting Line	71-85778
SPARK PLUG	71-85854
FLEX SHAFT LUBE	952-030139

NOTES

OPERATION

BEFORE STARTING ENGINE:



WARNING

BE SURE TO READ THE FUEL SAFETY INFORMATION IN THE WARNINGS AND SAFETY INSTRUCTIONS SECTION OF THIS MANUAL BEFORE YOU BEGIN.

IF YOU DO NOT UNDERSTAND THE FUEL SAFETY SECTION, DO NOT ATTEMPT TO FUEL YOUR UNIT; SEEK HELP FROM SOMEONE WHO DOES UNDERSTAND THE FUEL SAFETY 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 engine oil 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.

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 10 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 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.

2-CYCLE OIL:

CRAFTSMAN 40:1 2 cycle oil 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 2 cycle oil is not available, use a good quality 2 cycle AIR-COOLED engine oil 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 fuel tank.

FOR ONE GALLON:

- Pour 3.2 ounces of high quality, 2-cycle engine oil 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 momentarily.
- 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
1.25 gallons	4.0
2.5 gallons	8.0

STARTING YOUR ENGINE

(For location of controls, refer to "Specifications.")

BEFORE STARTING THE ENGINE:

- Fuel engine. Move 10 feet (3 meters) away from fueling site.

▲ WARNING

The trimmer head will turn while starting the engine.

- Rest engine and shield on ground, supporting trimmer head off ground.

NOTE: Remove and discard the plastic shipping guard on the primer bulb (if so equipped).

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

- Make sure the switch is in the "On" position.
- Move the choke lever to the "Full Choke" position.
- Slowly press the primer bulb 6 times.
- Squeeze and hold the throttle trigger. *Keep the 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; squeeze and hold the throttle trigger and 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 the engine still has not started, it is probably flooded. Proceed to "Starting a Flooded Engine."

- Allow the engine to run 15 seconds, then move the choke lever to "Off Choke." Allow the unit to run for 30 more seconds at "Off Choke" before releasing 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.

- To stop the engine, move the switch to "Off."

▲ WARNING

Avoid any bodily contact with the muffler when starting a warm engine. A hot muffler can cause serious burns.

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

- Make sure the switch is in the "On" position.
- Move the choke lever to the "Half Choke" position.
- Squeeze and hold the throttle trigger. *Keep the throttle trigger fully squeezed until the engine runs smoothly.*
- Pull starter rope sharply until engine runs, but no more than 5 pulls.
- Allow the engine to run 15 seconds, then move the choke lever to "Off Choke."

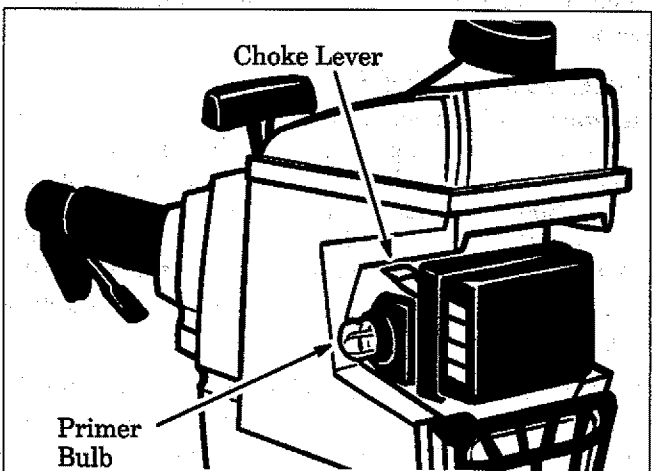
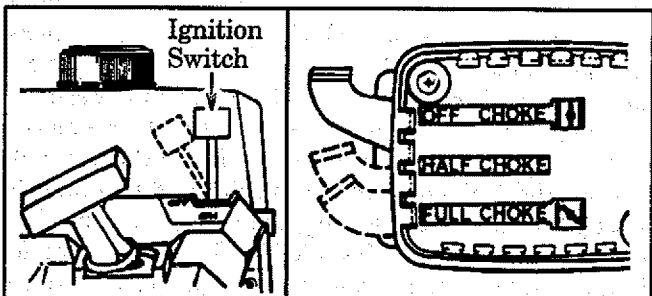
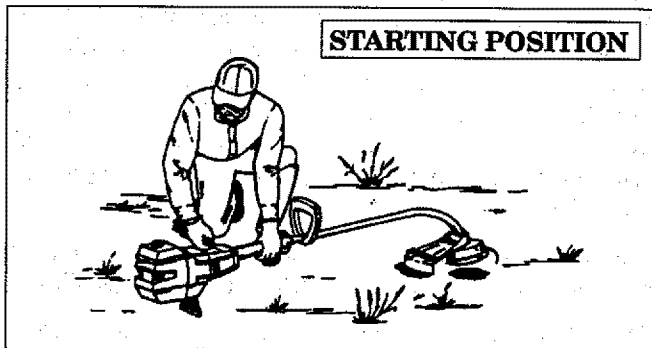
NOTE: If engine has not started, pull starter rope 5 more pulls. If engine still does not run, it is probably flooded. Proceed to "Starting a Flooded Engine."

- To stop the engine, move switch to the "Off" position.

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 the unit still doesn't start, call the Customer Assistance Hotline at 1-800-235-5878.



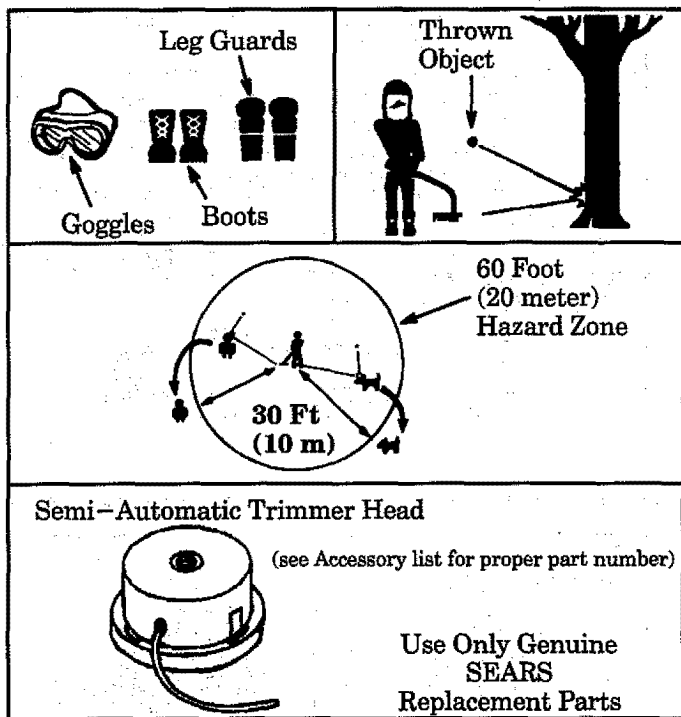
OPERATING INSTRUCTIONS

Bring the engine to cutting speed before entering the material to be cut.

- Do not run the engine at a higher speed than necessary. The cutting line will cut efficiently when the engine is run at less than full throttle. At lower speeds, there is less engine noise and vibration. The cutting line will last longer and will be less likely to "weld" onto the spool.

- If trimmer head does not turn when the engine is in operation, make sure the drive shaft housing is properly seated in the engine shroud. Refer to "Assembly—Tube."
- Always release throttle trigger and allow engine to return to idle when not cutting.
- To stop engine:
 - a. Release the throttle trigger.
 - b. Move ignition switch to the "Off" position.

USING YOUR TRIMMER



⚠ WARNING—THROWS OBJECTS

The rapidly moving line causes objects to be thrown violently. The shield will not provide complete protection to the operator or others. The operator must wear a safety face shield or goggles. Always wear heavy, long pants and boots. Keep others at least 30 feet (10 meters) away.

⚠ WARNING — HAZARD ZONE

This tool will throw objects and cut. Keep others including children, animals, bystanders, and helpers at least 30 feet (10 meters) away from the operator and tool. Stop the engine if you are approached.

⚠ WARNING — DAMAGED TRIMMER HEAD

Trimmer head parts that are chipped, cracked, broken, or damaged in any other way can fly apart and cause serious injury. Do not use. Replace damaged parts before using the tool.

A. LINE TRIMMER SAFETY

1. OPERATOR

- a. Always wear a face safety shield or goggles. See "Accessories."
- b. Always wear heavy, long pants, long sleeves, boots, and gloves. Do not go barefoot or wear short pants, short sleeves, sandals, jewelry, loose clothing, or clothing with loosely hanging straps, ties, tassels, etc.; they 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.
- c. Keep hair, fingers, and all other parts of the body away from openings and moving parts.
- d. Do not operate this tool when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- e. Do not swing the tool with such force that you are in danger of losing your balance.
- f. Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
- g. Keep handles free of oil and fuel.

2. TOOL

- a. Inspect the entire tool before each use. Replace damaged parts. Check for fuel leaks and make sure all fasteners are in place and securely fastened.
- b. Use only .080" diameter Sears Laser Line. Never use wire, rope, string, etc.
- c. Be sure the shield is properly attached.
- d. Make sure the trimmer head is properly installed and securely fastened. Refer to "Assembly."
- e. Make carburetor adjustments with the drive shaft housing supported to prevent the trimmer line from contacting any object.
- f. Keep others away when making carburetor adjustments.
- g. Use only genuine Sears accessories or attachments as recommended.

3. CUTTING

- a. 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 trimmer head.
- b. Always keep the engine on the right-hand side of your body.
- c. Hold the tool firmly with both hands.
- d. Keep firm footing and balance. Do not over-reach.

- e. Keep the trimmer head below waist level.
- f. Do not raise the engine above your waist.
- g. Keep all parts of your body away from the trimmer line the engine is running.
- h. Keep all parts of your body away from a hot muffler.

- i. Use only for jobs explained in this manual.

▲ WARNING
 Avoid any bodily contact with the muffler when starting a warm engine. A hot muffler can cause serious burns.

B. TRIMMER LINE ADVANCE

- The trimmer line will advance approximately 2 inches each time the bottom of the trimmer head is tapped on the ground with the engine running at full throttle.
- The most efficient line length is the maximum length allowed by the line limiter.
- Always keep the shield in place when the tool is being operated. Figure 10 .
- To Advance Line:
 1. Operate the engine at full throttle.
 2. Hold the trimmer head parallel to and above the grassy area.
 3. Tap bottom of trimmer head lightly on ground one time. See Figure 10 . Approximately 2 inches of line will be advanced with each tap.

NOTE: Always tap trimmer head on a grassy area. Tapping on surfaces such as concrete or asphalt can cause excessive wear to the trimmer head.

NOTE: If the line is worn down to two inches or less, more than one tap will be required to obtain the most efficient line length.

▲ WARNING
 Use only .080" diameter SEARS brand line. Other sizes of line will not advance properly. Do not use other materials such as wire, string, rope, etc. Wire can break off during cutting and become a dangerous missile that can possibly cause serious injury.

▲ WARNING
 Use minimum speed and do not crowd the line when cutting around hard objects (rock, gravel, fence posts, etc), which can damage the trimmer head, become entangled in the line, or be thrown causing a serious hazard.

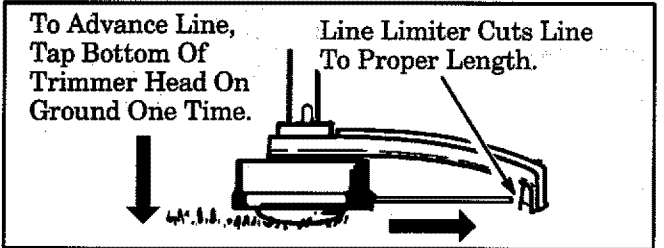


Figure 10

C. CUTTING METHODS

▲ WARNING
 Use minimum speed and do not crowd the line when cutting around hard objects (rock, gravel, fence posts, etc), which can damage the trimmer head, become entangled in the line, or be thrown causing a serious hazard.

- The tip of the line does the cutting. You will achieve best performance and minimum line wear by not crowding the line into the cutting area. The right and wrong ways are shown in Figure 11 .
- The line will easily remove grass and weeds from around walls, fences, trees and flower beds, but it also can cut the tender bark of trees or shrubs and scar fences. To help avoid damage especially to delicate vegetation or trees with tender bark, shorten line to 4-5 inches (10 - 12.5 cm) and use at less than full throttle.
- For trimming or scalping, use less than full throttle to increase line life and decrease head wear, especially:
 - during light duty cutting.
 - near objects around which the line can wrap such as small posts, trees or fence wire.
- For mowing or sweeping, use full throttle for a good clean job.

▲ WARNING
 Always wear eye protection. Never lean over the trimmer head. Rocks or debris can ricochet or be thrown into eyes and face and cause blindness or other serious injury.

1. **TRIMMING** - Figure 12 . Hold the bottom of the trimmer head about 3 inches (7.5 cm) above the ground and at an angle. Allow only the tip of the line to make contact. Do not force the trimmer line into the work area.

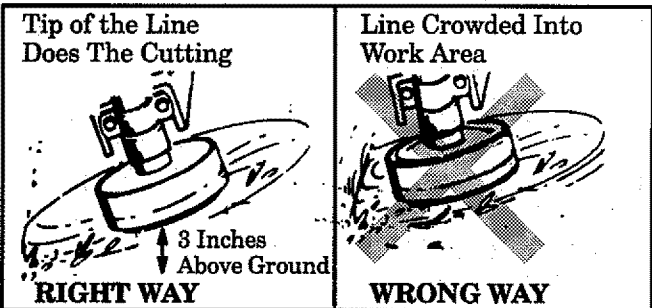


Figure 11

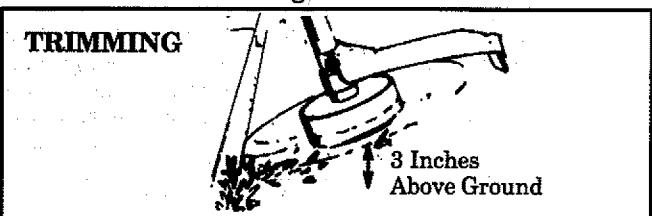


Figure 12

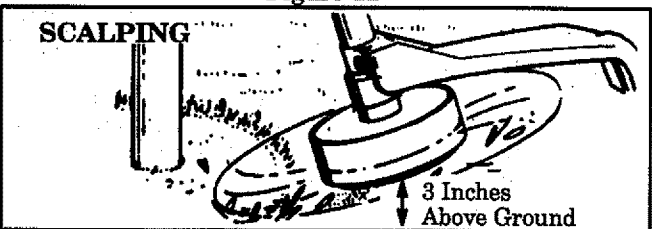


Figure 13

2. **SCALPING** - FIGURE 13 . The scalping technique removes unwanted vegetation. Hold bottom of the trimmer head about 3" (7.5 cm) above ground and at an angle. Allow the tip of the line to strike the ground around trees, posts, monuments, etc. This technique increases line wear.

3. **MOWING**— **Figure 14**. Your trimmer is ideal for mowing in places conventional lawn mowers cannot reach. In the mowing position, keep the line parallel to the ground. Avoid pressing the head into the ground as this can scalp the ground and damage the tool.

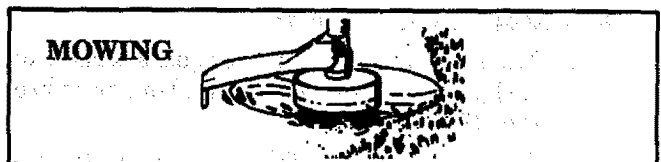


Figure 14

4. **SWEEPING** — **Figure 15**. The fanning action of the rotating line can be used for a quick and easy clean up. Keep the line parallel to and above the surfaces being swept and move the tool from side to side.

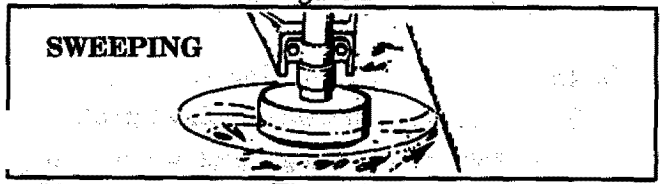


Figure 15

D. LINE REPLACEMENT

- **For proper line feed:**
 - Use only genuine SEARS pre-wound spools and .080" diameter SEARS brand line. Use of other types of spools or lines can result in excessive breakage, line welding and improper line feed.
 - Pre-wound spools offer the most convenient method for replacing line as well as optimum performance.
 - Always clean dirt and debris from spool and hub when performing any type maintenance.
1. **Installing Spool with Line**
- a. Hold the trimmer head as shown in **Figure 16**. Press the lock tab and turn the lock ring as shown in **Figure 16**.
 - b. Remove the lock ring, tap button, and spool. **Figure 17**.
 - c. Clean dirt and debris from all parts.
 - d. Inspect all trimmer head parts for damage. Replace damaged parts.

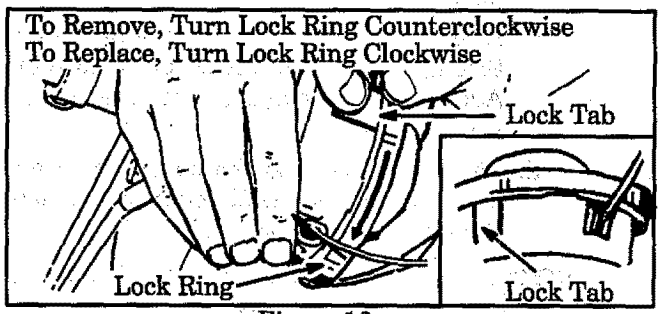


Figure 16

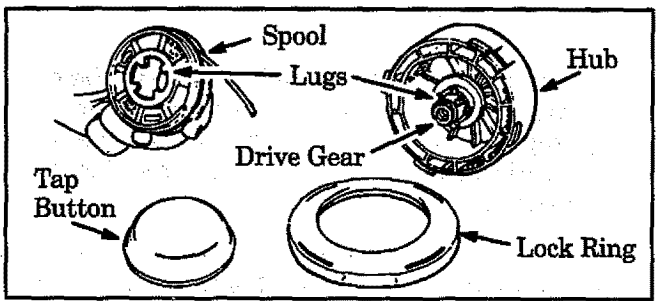


Figure 17

▲ WARNING
 Trimmer head parts that are chipped, cracked, broken, or damaged in any other way can fly apart and cause serious injury. Do not use. Replace damaged parts before using the tool.

NOTE: The aluminum line saver (**Figure 18**) can become worn during use. After a groove is worn into line saver, remove it from trimmer head, turn it upside down, and reinstall it (with spool removed) to provide a new wear surface.

▲ WARNING
 The line saver must be installed only from the inside of the trimmer head. If installed on the outside of the trimmer head, the line saver can fly off and become a dangerous missile.

- e. Insert the end of the line through the line saver. **Figure 18**. Place spool in trimmer head. Press spool down, then turn it enough to lock lugs on spool under lugs on drive gear. **Figure 17**.

NOTE: Make sure the line is not caught between the rim of spool and the wall of trimmer head.

- f. Replace the tap button. Align the lock ring over the catches on the hub; push the lock ring down on the hub and turn it clockwise until the catches lock into place. **Figure 18**.

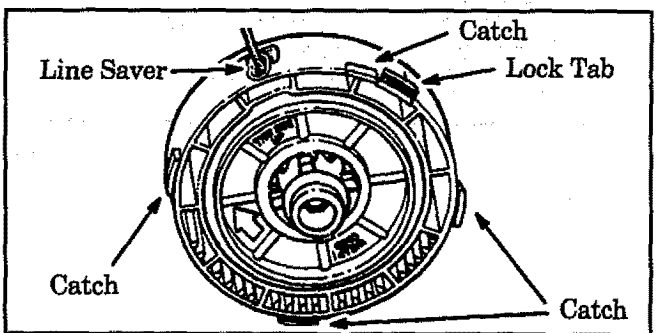


Figure 18

▲ WARNING
 All catches must be fastened and the lock tab latched in the Lock Ring. If installed incorrectly, the Lock Ring can fly off and become a dangerous missile.

- g. Make sure lock ring is properly fastened by pulling on it and trying to turn it counterclockwise. If it comes off, reinstall it properly.
- h. Pull on the line to change the spool from the locked position to the operating position.
- i. Obtain the correct line length (4–6 inches) by pressing the tap button (**Figure 19**) and pulling on the line again.

NOTE: Each time the tap button is pressed, approximately 2 inches of line can be pulled from the trimmer head. **Figure 19**.

2. Spool Replacement

- Replace the spool when the square corners on the lugs are rounded off, reduced in size, or broken off. Figure 20.
- To replace the spool, follow the instructions in "Installing Spool with Line."

3. Installing Line on Spool

To replace the Line on existing Spool:

- Follow "Installing Spool w/Line," steps "a.-d." and remove any line remaining on the spool.
- Use a 40 foot length of .080" SEARS brand line.
- Insert 1/16" to 1/8" of the end of the line through the hole in the spool. Figure 21. Allow no more than 1/8" line to extend inside the spool.
- Wrap the line onto the spool firmly and evenly in a clockwise direction as shown by the arrow on the spool. Figure 21.

NOTE: The line must be wrapped firmly and evenly for proper line feed.

- Follow "Installing Spool with Line," steps "e.-i."

If the line breaks off or backs up in the trimmer head, follow "Installing Spool w/Line," steps "a.-d." Pull slack in line until the line is tightly wound on the spool, leaving 4-6 inches of extended line. Continue with steps "e.-i."

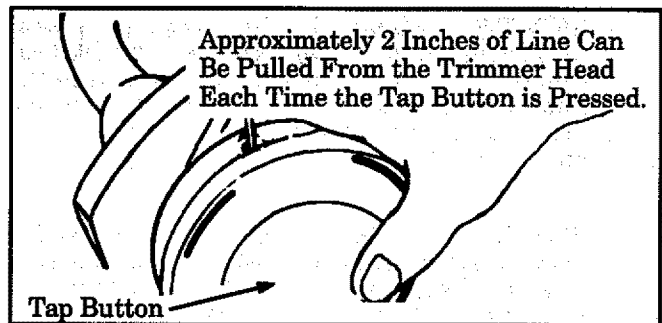


Figure 19

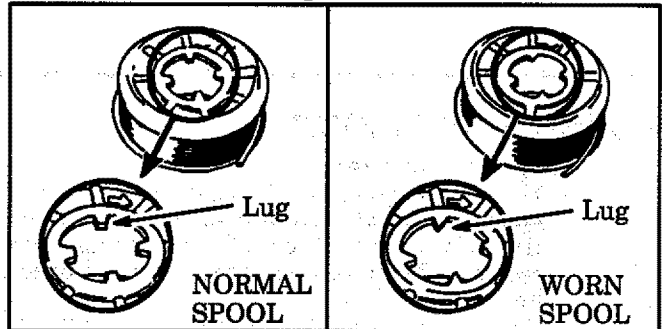


Figure 20

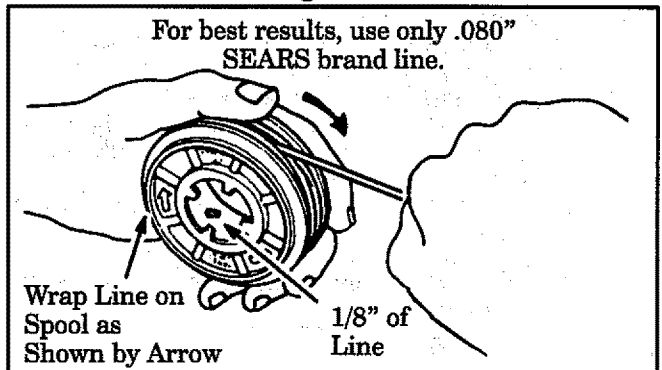


Figure 21

4. Trouble Shooting the Trimmer Head and Line

- **Does not advance or breaks while cutting:**
 - Improperly wound onto spool.
 - Line size incorrect.
 - Too little line outside head.
- **Pulls back into head:**
 - Too little line outside of head.
- **Welds onto spool:**
 - Line size incorrect.
 - Crowding line against material being cut.
 - Cutting at higher speeds than necessary.

NOTES

CUSTOMER RESPONSIBILITY --

GENERAL MAINTENANCE

A. MAINTENANCE SAFETY

1. Maintain the tool according to recommended procedures. Keep the cutting line at the proper length.
2. Never start the engine with the clutch shroud removed. The clutch can fly apart and cause serious injury.
3. Disconnect the spark plug before performing maintenance except for carburetor adjustments.
4. Make carburetor adjustments with tube supported to prevent the trimmer line from contacting any object.
5. Keep others away when making carburetor adjustments.
6. Be sure trimmer head stops turning when engine idles. See "Carburetor Adjustments."
7. Replace trimmer head parts that are cracked, chipped, broken, or damaged in any other way before using the tool.
8. Use only .080 (2mm) diameter Sears Laser Line. Never use wire, rope, string, etc.
9. Use only genuine SEARS replacement parts as recommended.
10. Inspect the entire tool. Replace damaged parts. Check for fuel leaks and make sure all fasteners are in place and securely fastened.

B. AIR FILTER

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

CAUTION: Do not clean the air filter in gasoline or any other flammable solvent; doing so can create a fire hazard.

Clean the air filter:

- Always after 5 tanks of fuel or 5 hours of operation, which ever is less.
- More frequently, in dusty conditions.
 1. Loosen the two screws on the air filter cover enough to remove the cover from the engine. Figure 22.
 2. Remove air filter from the cover. Figure 22.
 3. Wash filter in soap and water.
 4. Squeeze filter dry and replace in cover.
 5. Reinstall the air filter cover, making sure the choke exit slot (Figure 22) is placed over the choke lever.

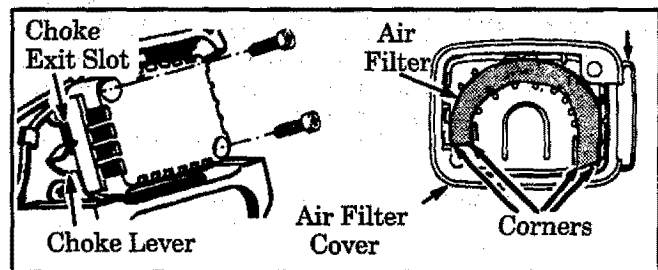


Figure 22

NOTE: If replacing the air filter, refer to the Accessory list for proper part number.

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

C. DRIVE SHAFT LUBRICATION

- Lubricate the Drive Shaft:
 - After each ten (10) hours of operation.
 - Before operating if the tool has been stored for 90 days or longer.
- To order drive shaft lube, see the Accessory list for proper part number.

▲ WARNING
If the engine is hot, avoid touching the muffler. A hot muffler can cause serious burns.

CAUTION: Lay drive shaft on a clean surface. Avoid laying the shaft on floor, ground, or on any other surface that may have dirt or debris. Even after wiping shaft, grease residue can pick up particles that can cause damage or premature failure.

CAUTION: Take care to avoid injury your hands and fingers with broken wires when checking for damage or wiping the drive shaft. A cloth will not prevent broken wires from puncturing or tearing your skin.

- Use the following procedure:
 1. Remove the screw and nut from the throttle trigger housing. Figure 5.
 2. Hold throttle trigger away from the foam grip and remove the barrel end of the throttle cable from the throttle trigger. Figure 3.
 3. Carefully pull throttle cable out of foam grip.
 4. Loosen the clutch shroud screws and remove the tube from the engine.
 5. Remove drive shaft from the tube. Figure 23.
 6. Check the drive shaft for broken wires, twists or kinks, and replace if damage is found.
 7. Using a clean cloth, wipe the drive shaft thoroughly to remove any old grease. Figure 23.
 8. Apply a uniform coat of lube to the entire surface of the drive shaft.
 9. Inject the remaining contents of the container into the top of the tube.
 10. Replace drive shaft in the tube. Figure 23.
 11. Reassemble tube to the engine. Tighten clutch shroud screws securely.

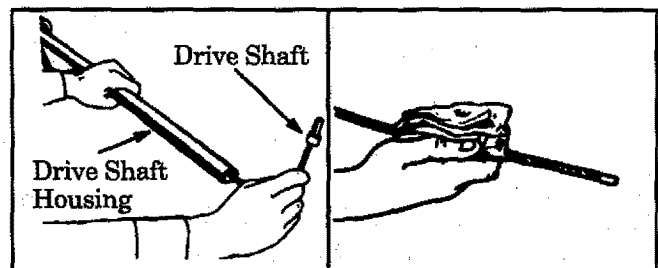


Figure 23

D. CARBURETOR ADJUSTMENTS

YOUR CRAFTSMAN PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO SPECIFICATIONS THAT REDUCE HARMFUL EMISSIONS. After your unit has been run for 5 hours, the engine has broken-in. To ensure that your unit is at peak performance and producing the least amount of harmful emissions *after* break-in, have your SEARS Service Center/Department adjust your carburetor for optimum operating conditions.

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 understand all warnings and instructions, let your SEARS Service Center/Department perform these adjustments.

▲ WARNING

Make carburetor adjustments with the lower end supported to prevent the trimmer line from contacting any object. Hold tool with your hand; do not use optional shoulder strap for support.

▲ WARNING

Keep others away when making carburetor adjustments.

▲ WARNING

Serious injury to the operator and others can occur if the carburetor is not properly adjusted.

- Poor engine performance can be a result of other causes such as dirty air filter, carbon build-up on muffler outlets, etc. See "Trouble Shooting Chart" before proceeding with carburetor adjustments.
- The carburetor has been carefully adjusted at the factory. However, the operator must be sure that adjustments are made when any of the conditions occur as mentioned on the next page in "Troubleshooting Suggestions".
- 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 and it is important to follow instructions in sequence as indicated.

1. TROUBLESHOOTING SUGGESTIONS

- Engine will not continue to run at idle position. See "Idle Speed Adjustment" and "Low Speed Mixture Adjustment."
- Trimmer head continues to spin when the engine idles. See "Idle Speed Adjustment" and "Deceleration Check."
- 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 does not return to idle from full throttle within 2 seconds. See "Deceleration Check."
- Engine will not run. See "Trouble Shooting Chart." Then, if the carburetor requires adjustments, begin with "Basic Carburetor Settings."

▲ WARNING

The trimmer line will be spinning during most of this procedure. Wear your protective equipment and observe all safety instructions.

2. BASIC CARBURETOR SETTINGS

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

- a. Turn the low speed mixture screw and the high speed mixture screw (Figure 24) clockwise until they stop. *Do not turn screws until they are tight as damage to needle seats can occur.*
- b. Turn the low speed mixture and high speed mixture screws between three-quarters and one full turn counterclockwise.

3. ADJUSTING PROCEDURE

a. PREPARATION

1. Use fresh fuel mix. See Fueling section.
2. Make sure the line extends to the length allowed by the line limiter to provide correct load on engine.
3. Start the engine. Cut grass for 3 minutes to warm engine. *The engine must be at operating temperature before carburetor adjustments can be performed correctly.*

b. IDLE SPEED ADJUSTMENT

1. Allow engine to idle.
2. Adjust idle speed screw (Figure 24) until the engine continues to run without stalling and without the trimmer head 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 trimmer head from turning.
3. Follow instructions in "Acceleration Check" and "Deceleration Check."
4. No further adjustments are necessary if trimmer head does not turn at idle speed and performance is satisfactory.

▲ WARNING

Recheck idle speed after each adjustment. The trimmer head must not turn at idle speed to avoid serious injury to the operator and others.

c. ACCELERATION CHECK

1. Allow engine to idle.
2. Squeeze trigger fully
 - a.) If performance is satisfactory, proceed to "d. Deceleration Check."
 - b.) If the engine does not accelerate smoothly, turn the low speed mixture screw (Figure 24) counterclockwise a small amount (no more than the width of the slot in the adjusting screw).
3. Repeat step "b.)" until smooth acceleration is obtained.

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

4. Follow instructions in "d. Deceleration Check."

d. DECELERATION CHECK

1. Allow engine to idle, then squeeze throttle trigger fully.
2. Allow engine to run at full speed for about 1 second.
3. Release the throttle trigger to the idle position and listen to the deceleration of the engine. It must return to idle smoothly and within 1 to 2 seconds.
 - a. If performance is satisfactory, proceed to step "4."
 - b. If the engine slowly or erratically returns to idle or idles erratically, repeat "Idle Speed Adjustment" or continue through Low Speed Mixture and High Speed Mixture Adjustments to obtain proper deceleration.

4. Recheck idle speed.

e. LOW SPEED MIXTURE ADJUSTMENT

1. Allow engine to idle.
2. Turn the low speed mixture screw (Figure 24) slowly clockwise until the speed starts to drop. Note this position.
3. Turn the low speed mixture screw counterclockwise until speed increases and then starts to drop again. Note this position.
4. Set the low speed mixture screw at the midpoint between the two positions.
5. Follow instructions in "Acceleration Check" and "Deceleration Check,"

f. 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.

1. Support the lower end so the trimmer line is off the ground and will not make contact with any object.
2. Allow engine to idle, then squeeze throttle trigger fully.

NOTE: Perform steps "3." through "5." at full throttle.

3. Turn high speed mixture screw (Figure 24) very slowly clockwise until engine speed is reduced.
4. Turn high speed mixture screw very slowly counterclockwise. Stop when the engine begins to run roughly.
5. Turn screw slowly the minimum amount clockwise until the engine runs smoothly.
6. Follow instructions in "Acceleration Check" and "Deceleration Check".

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

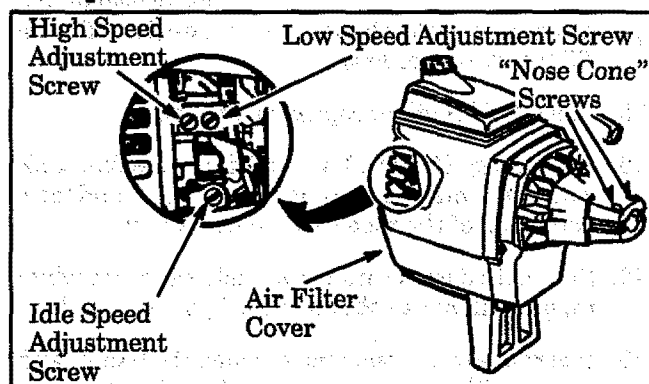


Figure 24

E. SPARK PLUG -- Replace the spark plug yearly.

F. STARTER ROPE

- Replace a starter rope that breaks.

▲ DANGER

Never start engine with clutch shroud removed; clutch will fly apart and cause serious injury.

▲ WARNING

Do not remove pulley tab and screw or 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 tool. Take it to your SEARS Service Center/Department.

▲ DANGER

Use only a hand tool to remove the clutch. Do not use any type of motorized tool or strike the clutch in any way. Otherwise, the clutch will fly apart and cause serious injury.

1. Disconnect spark plug wire. Figure 25.
2. Remove the screw and nut from the throttle trigger housing. Figure 25.
3. Hold throttle trigger away from the foam grip and remove the barrel end of the throttle cable from the throttle trigger. Figure 3.
4. Carefully pull throttle cable out of foam grip.
5. Remove the four clutch shroud screws with the small hex wrench provided. Figure 25.
6. Separate clutch shroud from engine. Figure 25.

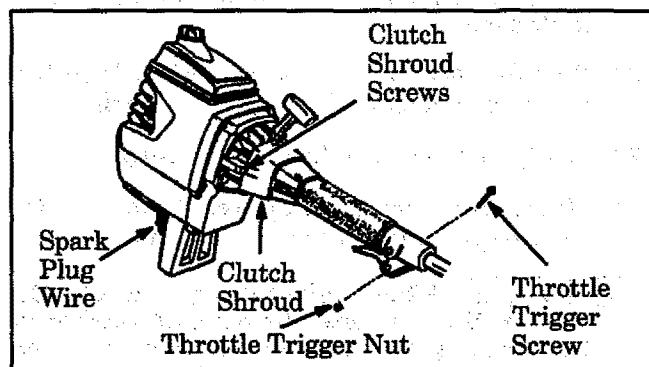


Figure 25

7. Hold the "flats" of the clutch with an adjustable wrench as shown in Figure 26 (inset) and remove the nut counterclockwise with a 9/16" socket wrench.

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

8. Remove the beveled washer, clutch, and large flat washer as shown in Figure 26 .
9. Remove pulley housing from engine. Figure 26 .
10. Remove the rope retainer screw and remove any remaining rope. Figure 27 .
11. Hand turn the pulley clockwise as far as it will go.
12. Turn the pulley counterclockwise until the pulley notch is aligned with the housing notch next to the retaining tab and screw. Figure 28 .
13. Next, turn the pulley one complete turn counterclockwise until the notches are aligned again.

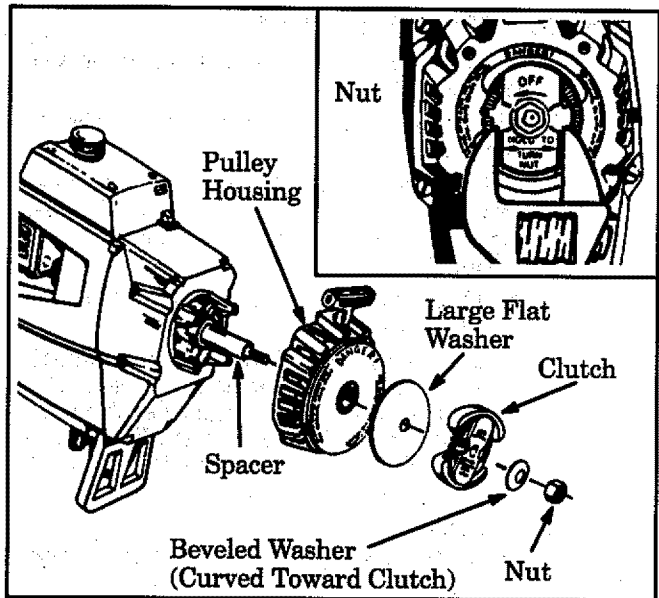


Figure 26

14. Insert the hex wrench into the hole formed by the notches to hold the pulley in position. Figure 28 (inset—upper left).
15. Use a 42" length of replacement rope.
16. Move away 10 feet (3 meters) from the fuel tank with the replacement rope. Use a match and melt both ends of the rope to prevent fraying.
17. Pull melted ends through a thick, clean rag while rope is still hot to obtain smooth, pointed ends.
18. Insert one end of the rope through the handle and secure with a knot. Leave a 3/16" pigtail behind the knot. Figure 28 (inset—upper right).
19. Insert the other end of the rope through the rope exit hole into the inside of the housing, into the pulley and up through the pulley hole. Figure 28 .
20. Wrap the rope counterclockwise around the pulley ratchet and tuck loose end under the rope at the pulley hole. Figure 28 . Leave a 1 inch tail laying flat on top of the pulley between the retainer rib and the retainer screw/post. Figure 28 .

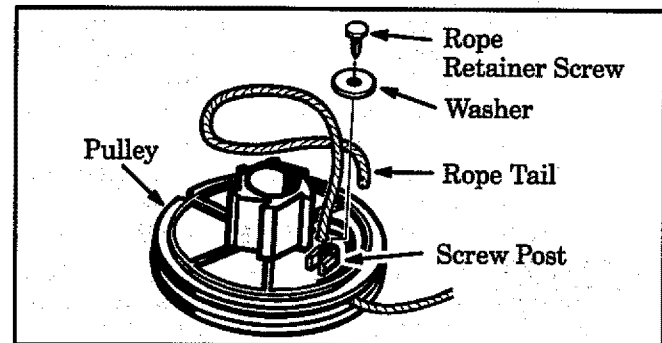


Figure 27

21. Reinstall rope retainer screw into screw post. Figure 27 . Tighten until the washer is snug.

NOTE: Do not overtighten the screw. Overtightening the screw can cause the threads in the screw post to strip out.

22. Hold the rope taut at the rope exit hole so the pulley will not move. Remove hex wrench.
23. Slowly feed rope into the pulley housing.
24. Make sure the spacer is in place. Figure 26 . Reverse steps 1 through 10 to re-assemble.

CAUTION: When reinstalling the clutch, tighten the nut until the beveled washer is flattened against the clutch. Over or under tightening nut can cause engine damage.

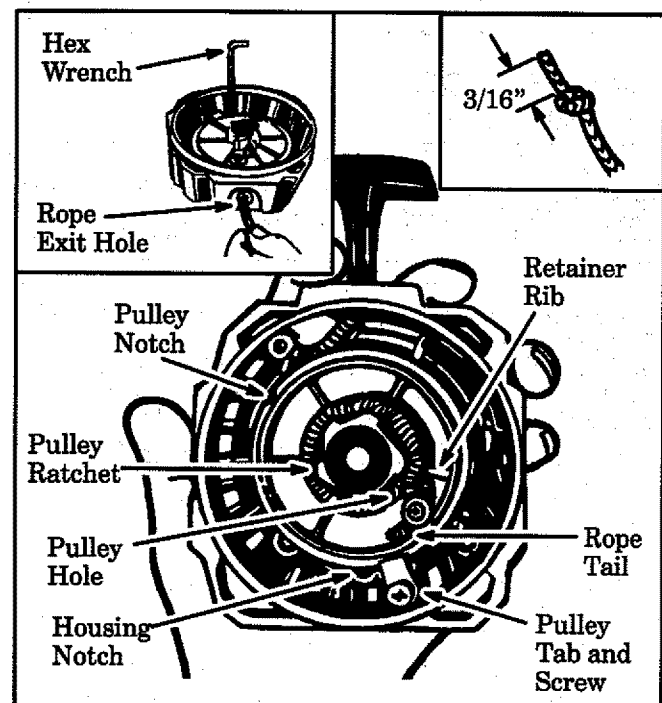


Figure 28

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 IT 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 SUCH AS BLADES CANNOT ACCIDENTLY CAUSE INJURY TO PASSERS BY.

STORE THE UNIT OUT OF THE REACH OF CHILDREN.

GAS TRIMMER/BRUSHCUTTER STORAGE INSTRUCTIONS

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

- Clean the entire unit.
- Clean air filter. Refer to "Customer Responsibilities".
- Open the line head assembly and clean any dirt, grass or debris that has collected. Inspect the cutting line, if old (chalky look and sticky to the touch), remove and discard. Install fresh new line the next time product is to be used.
- Lightly oil external metal surfaces to prevent rust from forming.



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

- If your unit is equipped with a blade, remove it from the unit. Refer to "Assembly". Apply a coating of oil to the entire surface of the blade and wrap it in heavy paper, cloth, or plastic. Also apply a light coat of oil to gear housing threads, then tighten blade nut securely for storage.
- Reassemble all loose parts, being sure that all handles and guards are in place and are securely fastened. Replace any damaged parts.

ENGINE

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

Follow these instructions:

- a. Drain the fuel from the unit into an approved fuel container.
- b. Drain the fuel lines and carburetor by starting the engine and letting it run until it stops.
- c. 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 line 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.

NOTE: 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 container. Run engine at least 5 minutes after adding stabilizer to allow stabilizer to reach the carburetor.

NOTE: Craftsman 40:1 2-cycle engine oil is specially blended with fuel stabilizers. If you do not use this SEARS oil, you can add a fuel stabilizer (such as Craftsman #33500) to your fuel tank.

- Remove spark plug and pour 1 teaspoon of 40:1 oil mix 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".
- Reinstall 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 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 areas are still warm.

TROUBLE SHOOTING CHART

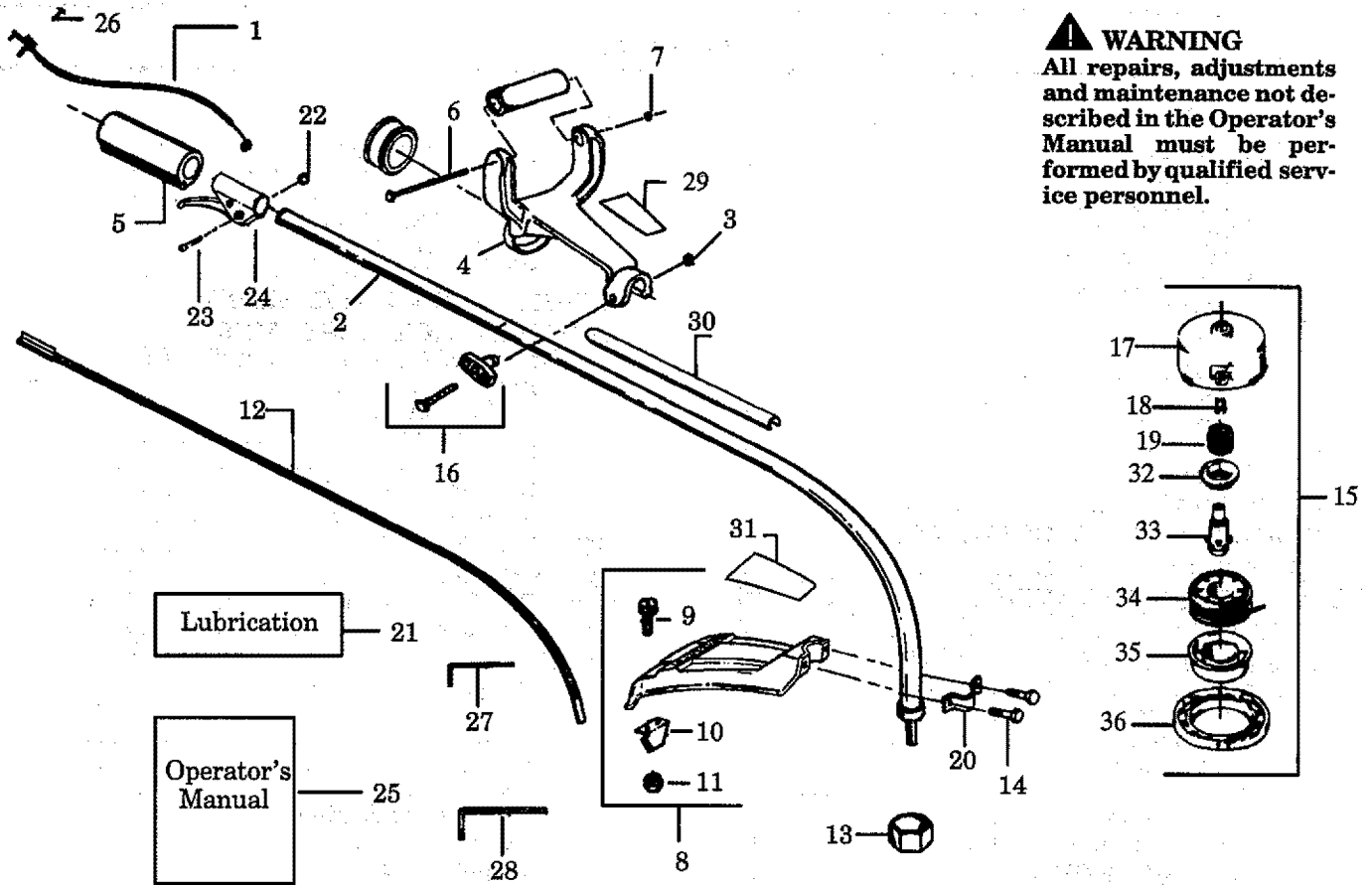
SYMPTOM	CAUSE	REMEDY
Engine will not start or will run only for a few seconds after starting.	<ol style="list-style-type: none"> 1. Fuel tank empty. 2. Engine flooded. 3. Spark plug not firing. 4. Fuel not reaching carburetor. 5. Carburetor requires adjustment. 6. None of the above. 	<ol style="list-style-type: none"> 1. Fill tank with correct fuel mixture 2. See "Starting Instructions." 3. Install new plug/check ignition system. 4. Clean fuel filter; inspect fuel line. 5. See "Carburetor Adjustments." 6. Contact your Sears Service Center/Dept.
Engine will not idle properly.	<ol style="list-style-type: none"> 1. Carburetor requires adjustment. 2. None of the above. 	<ol style="list-style-type: none"> 1. See "Carburetor Adjustments." 2. 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. 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.
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. See "Fueling Your Unit." 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/Dept.
Cutting Head stops under a load or does not turn when engine is accelerated.	<ol style="list-style-type: none"> 1. Drive shaft not engaged. 2. Drive shaft broken. 	<ol style="list-style-type: none"> 1. See "Assembly". 2. Contact your Sears Service Center/Dept.
Line does not advance or breaks while cutting.	<ol style="list-style-type: none"> 1. Line improperly routed in head. 2. Line improperly wound onto spool. 3. Line size incorrect. 4. Too little line outside head. 5. Dirt accumulated on cover cut-outs. 	<ol style="list-style-type: none"> 1. Remove cover. Check line routing. 2. Rewind line tightly and evenly. 3. Use only .080" (2mm) diameter Sears Laser Line. 4. Remove cover. Pull 4" (10 cm) of line to outside. 5. Clean cover cut-outs.
Line welds on spool.	<ol style="list-style-type: none"> 1. Line size incorrect. 2. Crowding line against material being cut. 3. Cutting at higher speed than necessary. 	<ol style="list-style-type: none"> 1. Use only .080" (2mm) diameter Sears Laser Line. 2. Cut with tip of line. 3. Reduce cutting speed.
Line releases continuously.	<ol style="list-style-type: none"> 1. Tap button engaged. 2. Tap button knocked out of hub. 	<ol style="list-style-type: none"> 1. Remove and clean tap button. 2. See "Installing Spool w/Line."
Line usage is excessive.	<ol style="list-style-type: none"> 1. Line size incorrect. 2. Cutting at high speed around hard objects. 3. Crowding line against material being cut. 	<ol style="list-style-type: none"> 1. Use only .080" (2mm) diameter Sears Laser Line. 2. Reduce speed around hard objects. 3. Cut with tip of line.
Line pulls back into head or feeds continuously.	<ol style="list-style-type: none"> 1. Too little line outside of head. 2. Spool lugs broken. 	<ol style="list-style-type: none"> 1. Remove cover. Pull 4" (10 cm) of line to outside. 2. Contact your Sears Service Center/Dept.

INDEX

ACCESSORIES	8	LINE (continued)	
ADJUSTMENTS		Replacement	13
Assist Handle	7	Rewinding on Spool	14
Carburetor	16	Safety	11
Line Advance	12	Size to Use	11
Module Air Gap	2	Trouble Shooting	14
Spark Plug Gap	2	Welding on Spool	14
AIR FILTER	15	LUBRICATION, DRIVE SHAFT	15
ASSEMBLY		MAINTENANCE, CUSTOMER	
Assist Handle	7	RESPONSIBILITY -- GENERAL	
Tube	6	Air Filter	15
Preparation	6	Carburetor	17
Shield	7	Drive Shaft	15
Trimmer Head	7	Safety	15
ASSIST HANDLE	7	Starter Rope	17
CARBURETOR ADJUSTMENTS	16	Trouble Shooting Chart	19
CARTON CONTENTS	5	MODULE AIR GAP	2
COLD ENGINE STARTING	10	OIL, ENGINE	
CONTROLS	2	Ratio to Gasoline	9
CUSTOMER RESPONSIBILITY --		Types to use/not to use	9
GENERAL MAINTENANCE		OPERATION	
Air Filter	15	Advancing the Line	12
Carburetor	17	Mowing	13
Drive Shaft	15	Position	8
Safety	15	Safety	11
Starter Rope	17	Scalping	12
Trouble Shooting Chart	19	Starting the Engine	10
CUTTING METHODS	12	Speed	11
TUBE ASSEMBLY	6	Stopping the Engine	10
ENGINE		Sweeping	13
Air Filter	15	Trimming	12
Carburetor	16	PARTS LIST	21
Controls	2	PRE-OPERATION CHECKS	9
Fuel Mixture	9	PREWOUND SPOOLS	13
Starter Rope	17	REPAIR PARTS LIST	21
Starting Instructions	10	SAFETY INSTRUCTIONS, WARNINGS ..	3
Storage	4	SHIELD	8
Trouble Shooting	19	SPARK PLUG GAP	2
ENGINE OIL		SPECIFICATIONS	2
Ratio to Gasoline	9	SPOOL	
Types to use/not to use	9	Installation	13
FILTER, AIR	15	Maintenance	13
DRIVE SHAFT LUBRICATION	15	Prewound	13
FUEL		Rewinding	14
Gasoline/Oil Mixture	9	STARTER ROPE REPLACEMENT	17
Mixing Fuel	9	STARTING INSTRUCTIONS	10
Pouring Fuel	9	STORAGE	4
Safety	9	TRIMMER HEAD	
Storage	4	Assembly	8
GASOLINE	9	Maintenance	11
Ratio to Gasoline	9	Removal	8
Types to use/not to use	9	Safety	20
IDLE SPEED ADJUSTMENT	16	Shield	8
LINE		TROUBLE SHOOTING CHART	19
Advance	12	USING YOUR TRIMMER	11
Breaking	14	WARM ENGINE STARTING	10
Length:		WARM ENGINE STARTING AFTER	
Operation	12	RUNNING OUT OF FUEL	10
To Cut as Replacement	14	WARNINGS AND	
		SAFETY INSTRUCTIONS	3
		WARRANTY	2

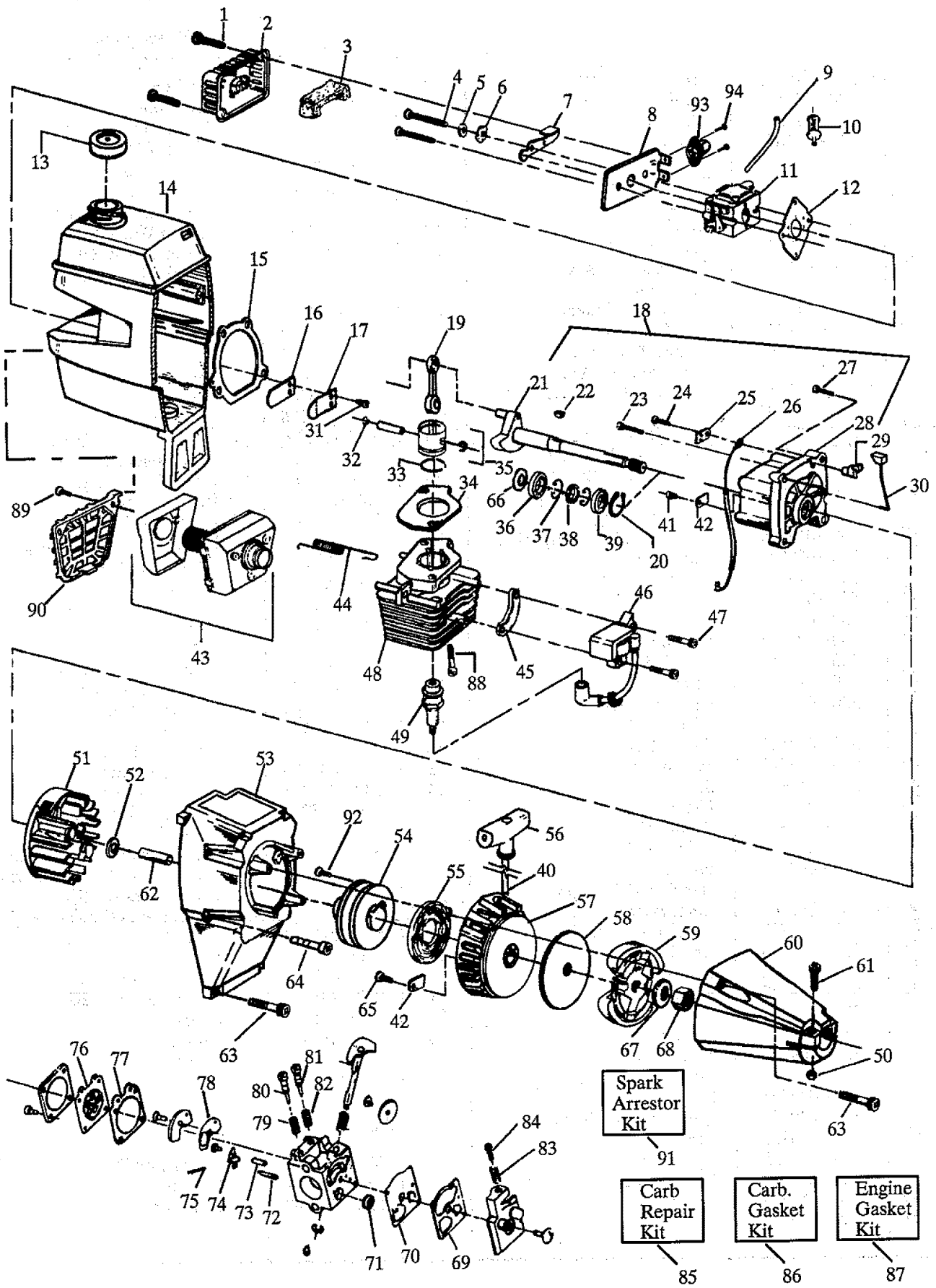
SEARS WEEDWACKER® REPAIR PARTS LIST - 358.799250-32cc

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



Key No.	Part No.	Description	Key No.	Part No.	Description
1	530-037497	Throttle Cable Ass'y.	20	530-093653	Bracket
2	530-094891	Drive Shaft Housing	21	952-030139	Shaft Lubrication
3	STD541025	Locknut	22	530-015768	Nut
4	530-010958	Anti-Vibe Handle	23	530-015774	Screw
5	530-029445	Drive Shaft Grip	24	530-010959	Throttle Lever Ass'y.
6	530-015784	Screw	25	530-082425	Operator's Manual
7	530-015785	Locknut	26	530-015775	Screw
8	530-069249	Shield Kit Ass'y. (Incl. 9, 10, & 11)	27	530-031111	Hex Wrench (5/32)
9	STD511005	Screw	28	530-031098	Hex Wrench (3/16)
10	530-094570	Line Limiter	29	530-027598	Anti-Vibe Decal
11	STD541410	Nut	30	530-029159	Shaft Warning Decal
12	530-094551	Flexible Drive Shaft	31	530-027600	Shield Decal
13	530-094543	Dust Cup	32	530-092068	Spring Cap
14	530-092243	Screw	33	530-093897	Drive Gear
15	71-85802	Cutting Head Ass'y.	34	71-85789	Spool w/Line
16	530-069252	"T" Handle Ass'y.	35	530-401183	Release Button
17	530-094592	Hub Ass'y.	36	530-092133	Cover
18	530-093898	Line Saver			
19	530-340007	Spring			

SEARS WEEDWACKER® REPAIR PARTS LIST - 358.799250-32cc



SEARS WEEDWACKER® REPAIR PARTS LIST - 358.799250-32cc

Key No.	Part No.	Description	Key No.	Part No.	Description
1	530-015773	Screw	52	530-347987	Washer
2	530-027529	Air Filter Cover	53	530-027517	Fan Housing
3	530-027530	Air Filter	54	530-069291	Starter Pulley Kit (Incl. #92)
4	530-015849	Screw	55	530-029395	Starter Spring
5	530-015852	Spacer	56	530-027569	Starter Handle
6	530-015254	Wave Washer	57	530-010961	Pulley Housing Ass'y.
7	530-027526	Choke Shutter	58	530-094189	Clutch Washer
8	530-037930	Air Filter Plate	59	530-069254	Clutch Ass'y. Kit
9	530-069247	Fuel Line Kit	60	530-010964	Clutch Housing
10	530-014362	Fuel Pick-up Ass'y.	61	530-015767	Screw
11	530-035349	Carburetor	62	530-027511	Spacer
12	† 530-019156	Carburetor Gasket	63	530-015770	Screw
13	530-014347	Fuel Cap Ass'y.	64	530-015769	Screw
14	530-047095	Shroud & Tank Ass'y. (Incl. #9,10 & 13)	65	530-015496	Screw
15	† 530-019154	Crankcase/Shroud Gasket	66	530-015788	Spacer
16	530-027593	Reed	67	530-015796	Washer
17	530-027594	Reed Stop	68	STD541137	Nut
18	530-014015	Crankcase/Crankshaft Ass'y. (Incl. #20,21,28)	69	530-035164	*+ Pump Gasket
19	530-010960	Connecting Rod Ass'y. (Incl. Bearings)	70	530-035166	*+ Pump Diaphragm
20	530-015789	Crankshaft Retaining Ring	71	530-035178	+ Inlet Screen
21	530-010934	Crankshaft Ass'y.	72	530-035106	+ Inlet Needle Valve
22	530-015126	Flywheel Key	73	530-035188	+ Metering Lever Spring
23	530-015772	Screw	74	530-035031	+ Metering Lever
24	530-015780	Screw	75	530-035028	+ Metering Pin
25	530-027546	Switch Insulator	76	530-035014	*+ Metering Diaphragm
26	530-027547	Lead Wire	77	530-035151	*+ Metering Diaphragm Gasket
27	530-015771	Screw	78	530-035147	*+ Circuit Plate Gasket
28	530-014016	Crankcase Ass'y. (Incl. #36-39)	79	530-035036	Hi Speed Needle Spring
29	530-027545	Switch Ramp	80	530-035142	Hi Speed Needle
30	530-027543	Switch Spring Ass'y.	81	530-035141	Idle Needle
31	STD610603	Screw	82	530-035023	Idle Needle Spring
32	530-015162	Piston Pin Retainer	83	530-035208	Idle Speed Spring
33	530-025875	Piston Ring	84	530-035203	Idle Speed Screw
34	† 530-019178	Cylinder Gasket	85	530-035260	Carb. Kwik Repair Kit (+ Indicates Contents)
35	530-069275	Piston Kit (Incl. #32,33,& pin)	86	530-035185	Carb. Gasket/Diaphragm Kit (*Indicates Contents)
36	530-032103	Inner Bearing	87	530-069276	Engine Gasket Kit (†Indicates Contents)
37	530-015787	Retaining Ring	88	530-015239	Screw
38	530-019158	Crankshaft Seal	89	530-015717	Screw
39	530-032102	Bearing Outer	90	530-027781	Muffler Guard
40	530-069232	Rope Kit	91	952-701612	Spark Arrestor Kit
41	530-015777	Screw	92	530-015823	Screw
42	530-027523	Retainer	93	530-037972	Bulb Ass'y.
43	530-069257	Muffler Kit	94	530-016085	Screw
44	530-036409	Muffler Attachment Spring			
45	530-027525	Spacer			
46	530-039134	Ignition Module Kit			
47	530-015128	Screw	Not Shown		
48	530-012235	Cylinder		530-038049	Instruction Decal
49	530-030077	Spark Plug		530-061274	Carton
50	530-015768	Locknut		530-014040	Ass'y. Parts Bag
51	530-039136	Flywheel Ass'y.			

SEARS

Operator's Manual

Model No.
358.799250

How to Order Repair Parts

**SEARS SERVICE
IS AT YOUR SERVICE**

The Model Number will be found below the top handle with the Serial Number. Always mention the Model Number when requesting service or repair parts for your unit.

All parts listed herein may be ordered from any Sears Service Center and most Sears Stores.

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

- | | |
|--|--|
| 1. The PART NUMBER | 3. The PART DESCRIPTION |
| 2. The MODEL NUMBER
358.799250 | 4. The NAME OF ITEM --
32cc Gas Weedwacker |

If the parts you need are not stocked locally, your order will be transmitted to a Sears Repair Parts Distribution Center for handling.



When you buy merchandise from Sears you get an extra value that nobody else can offer -- Sears Service.

Across town or across the country, Sears Service is always near, providing trustworthy, competent service technicians using only Sears specified factory parts.

Your Sears Merchandise takes on added value when you discover that Sears has Service Units throughout the country. Each is staffed by Sears-Trained, professional technicians using Sears approved methods.

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

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