

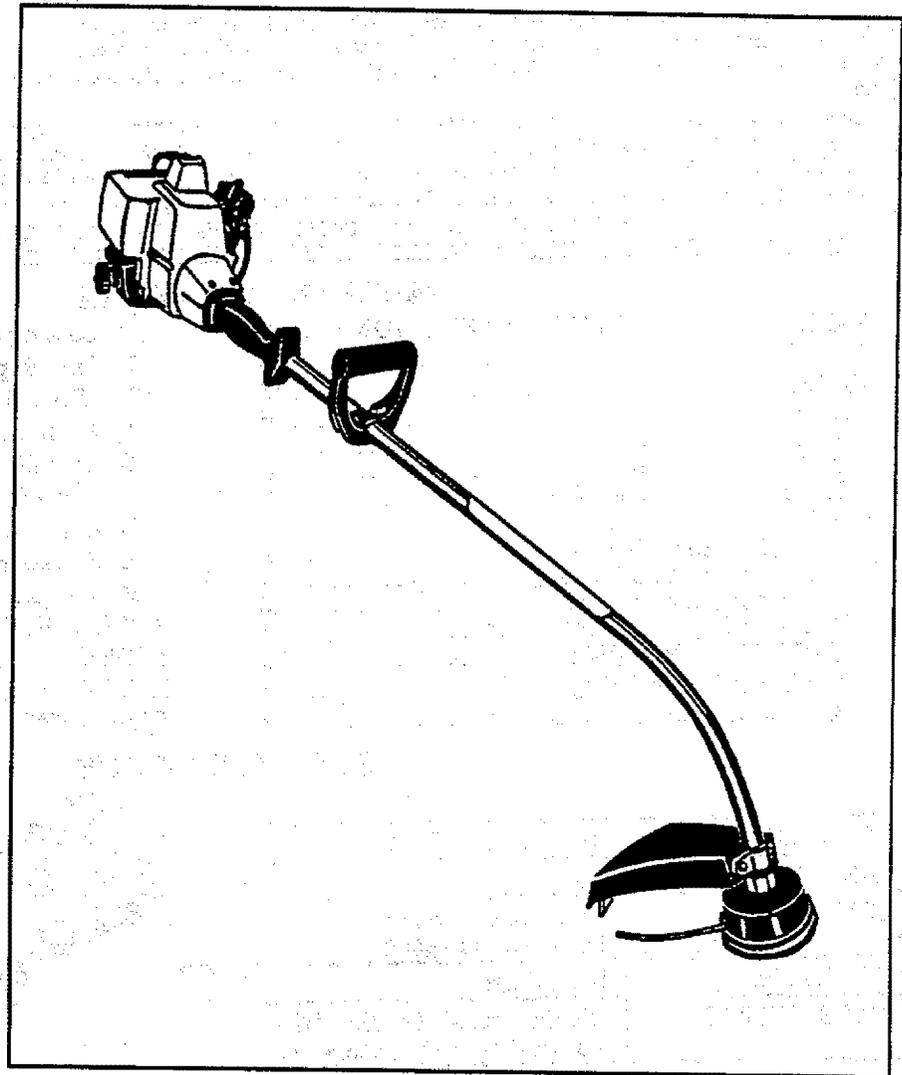
IMPORTANT MANUAL

Do Not Throw Away

SEARS

**Operator's
Manual**

**Model No.
358.799110-21cc**



Always Wear Eye Protection

SEARS/CRAFTSMAN®

21cc GAS WEEDWACKER

▲ WARNING:

Read the Operator's Manual and Follow All Warnings and Safety Instructions. Failure To Do So Can Result in Serious Injury.

2 Cycle Engine

Fuel Mix 40:1

● **Assembly**

● **Maintenance**

● **Operation**

● **Repair Parts**

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

ONE YEAR LIMITED WARRANTY ON CRAFTSMAN WEEDWACKER®

For One Year from date of purchase, when this 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 material or workmanship. This warranty excludes blades, nylon line, spark plug, and air cleaner, which are expendable parts and become worn during normal use.

If this Weedwacker® is used for commercial or rental purposes, this warranty does not apply.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE UNIT TO THE NEAREST SEARS SERVICE CENTER/DEPT. IN THE UNITED STATES. This warranty applies only while this product is in use 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 D/817WA HOFFMAN ESTATES, IL 60179

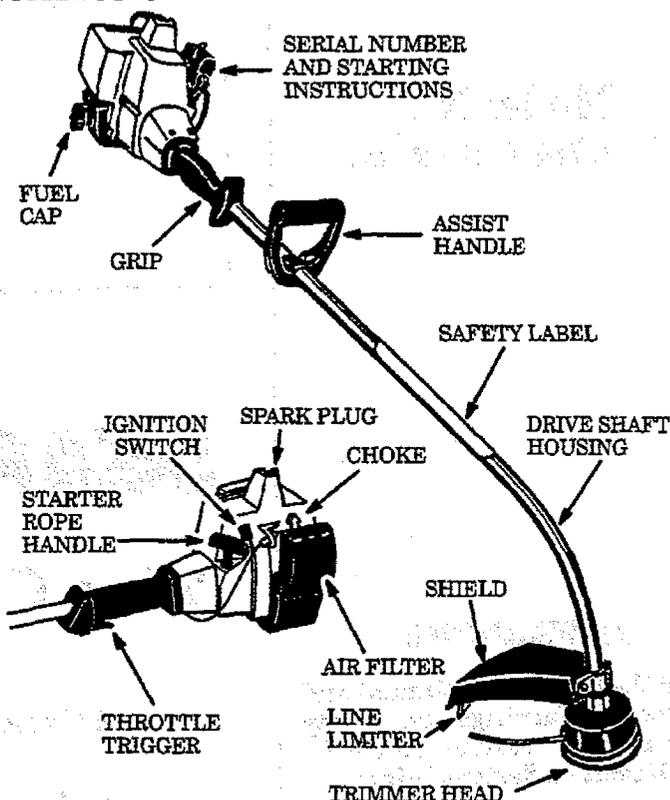
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SPECIFICATIONS

ENGINE TYPE:	2-Cycle, Air Cooled
DISPLACEMENT:	21cc
ENGINE RPM:	Operating--8000 Idle--3400-4000
IGNITION:	Solid State
CARBURETOR:	Diaphragm All Position With Adjustable Fuel Mixture Jet
ENGINE "OFF":	Positive Switch
STARTER:	Auto Rewind
MUFFLER:	Temperature Limiting
CUTTING PATH:	15"
FUEL TANK:	450cc
SPARK PLUG:	Champion (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 line

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 4,035,912; 4,052,789; 4,161,820; 4,187,912; 4, 183,138; 4,189,833; 4,211,004; 4,286,676; 4,362,074; 4,451,983; 4,786,185; 4,823,465; 4,841,929; 4,940,028; 5,020,223. OTHER U.S. AND FOREIGN PATENTS PENDING.



SPECIAL NOTICE

For users on U.S. Forest Land and in some states, including California (Public Resources Codes 4442 and 4443), Idaho, Maine, Minnesota, New Jersey, Oregon, and Washington: Certain internal combustion engines operated on forest, brush, and/or grass-covered land 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.

▲ WARNINGS AND SAFETY INSTRUCTIONS

(See Additional Safety Instructions throughout this Manual)

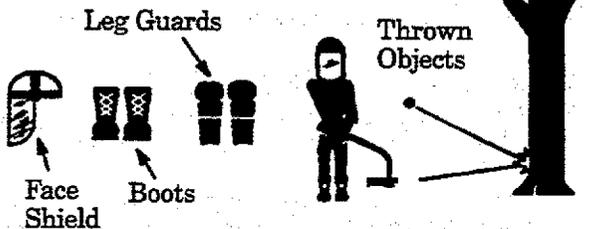
▲ WARNING – THIS POWER TOOL CAN BE DANGEROUS! This unit can cause serious injury or blindness to the operator and others. The warnings and safety instructions in this manual must be followed to provide reasonable safety and efficiency in using this unit. The operator is responsible for following the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

NEVER USE BLADES WITH THIS UNIT.

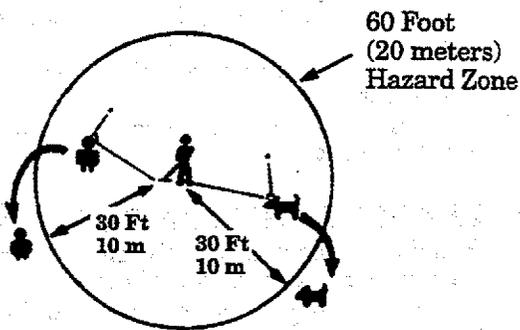
- THIS UNIT IS DESIGNED FOR LINE TRIMMER USE ONLY
- THE BLADE CAN COME OFF AND SERIOUSLY HURT YOU AND OTHERS.



▲ 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

1. Always wear eye protection when operating, servicing, or performing maintenance on your unit. See "Accessories."
2. Always wear heavy, long pants, boots, and gloves. Do not go barefoot or wear short pants, 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 trimmer line, which could be more of a hazard than touching the plant itself.
3. Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
4. Wear hearing protection if you use this unit for more than 1-1/2 hours per day.
5. Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
6. Keep handles free of oil and fuel.

▲ TOOL SAFETY

1. Inspect entire unit before each use. Replace damaged parts. Check for fuel leaks. Make sure all handles, guards, and fasteners are in place and securely fastened.
2. Replace trimmer head parts that are cracked, chipped, broken, or damaged in any other way before using the unit.
3. Use only .080" diameter SEARS Laser Line™. Never use wire, rope, string etc.
4. Install the shield properly before using the unit.
5. Use only the specified trimmer head. Make sure the trimmer head is properly installed and securely fastened. Refer to "Assembly."
6. Make carburetor adjustments with the drive shaft housing supported to prevent the trimmer line from contacting any object. Hold the unit by hand; do not use the optional shoulder strap for support.
7. Keep others away when making carburetor adjustments.
8. Use only genuine SEARS accessories as recommended for this unit.

▲ FUEL SAFETY

1. Mix and pour fuel outdoors and where there are no sparks or flames.
2. Use a container approved for fuel.
3. Do not smoke or allow smoking near fuel or the unit or while using the unit.
4. Wipe up all fuel spills before starting engine.
5. Move at least 10 feet (3 meters) away from fueling site before starting engine.
6. Stop engine before removing fuel cap.
7. Empty the fuel tank before storing the unit. Use up fuel left in the carburetor and fuel lines by starting the engine and letting it run until it stops.

8. 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

1. 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.
2. Keep others including children, animals, bystanders and helpers outside the 60 foot (20 meter) Hazard Zone. Stop the engine immediately if you are approached.
3. Always keep the engine on the right-hand side of your body.
4. Hold the unit firmly with both hands.
5. Keep firm footing and balance. Do not over-reach.
6. Keep the trimmer head below waist level.
7. Do not raise the engine above your waist. The trimmer head can come dangerously close to your body.
8. Keep all parts of your body away from trimmer head and muffler when engine is running.
9. When possible, cut with the left side of the trimmer head.
10. Use only for jobs explained in this manual.

▲ MAINTENANCE SAFETY

1. Maintain the unit according to recommended procedures. Keep the cutting line at the proper length.
2. Disconnect the spark plug before performing maintenance except for carburetor adjustments.
3. Make carburetor adjustments with the drive shaft housing supported to prevent the trimmer line from contacting any object. Hold the unit by hand; do not use the optional shoulder strap for support.
4. Keep others away when making carburetor adjustments.
5. Use only genuine SEARS replacement parts as recommended.

▲ TRANSPORTING AND STORAGE

1. Hand carry the unit with the engine stopped and the muffler away from your body.
2. Allow the engine to cool, empty the fuel tank, and secure the unit before storing or transporting in a vehicle.
3. 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.
4. 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.
5. Store unit so line limiter cannot accidentally cause injury. The unit can be hung by the drive shaft housing.
6. Store the unit out of the reach of children.

If situations occur which are not covered in this manual, use care and good judgment. Contact your Authorized Service Dealer if you need assistance.

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:

- 15" Cutting Path
- Semi-Automatic Trimmer Head
- Adjustable Assist Handle
- 21cc Engine

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.*

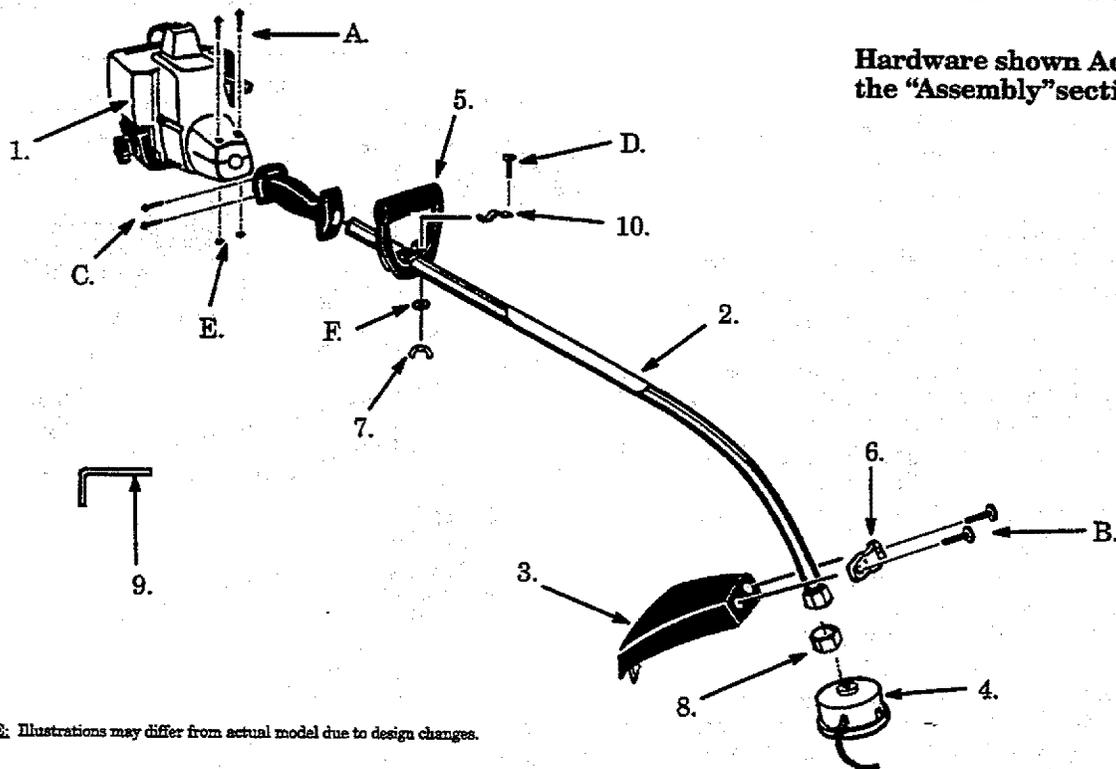
NOTE: It is normal to hear the fuel filter rattle in an empty fuel tank.

C. CARTON CONTENTS

KEY NO.		QTY
1.	Engine	1
2.	Drive Shaft Assembly w/Safety Label	1
3.	Shield	1
4.	Trimmer Head	1
5.	Assist Handle	1
--	Operator's Manual (not shown)	1
--	Loose Parts Bag (not shown)	1

LOOSE PARTS BAG CONTENTS:

6.	Bracket - Shield	1
7.	Wing Nut - Assist Handle	1
8.	Dust Cup - Drive Shaft Housing	1
9.	5/32" Hex Wrench	1
10.	Bracket - Assist Handle	1
A.	Hex Socket Screw - Engine Shroud	2
B.	Screw - Shield	2
C.	Screw - Throttle Handle	2
D.	Square Head Screw - Assist Handle	1
E.	Hex Nut	3
F.	Washer - Assist Handle	1



Hardware shown Actual Size in the "Assembly" section.

NOTE: Illustrations may differ from actual model due to design changes.

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. Users who operate power tools on a continual and regular basis must monitor closely their physical condition and the condition of this tool.

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.

1. Read your Operator's Manual

2. Tools you will need:

- 5/32" Hex Wrench provided with the tool.
- Adjustable Wrench
- Standard Screwdriver

B. HARDWARE USAGE

HARDWARE SHOWN
ACTUAL SIZE

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

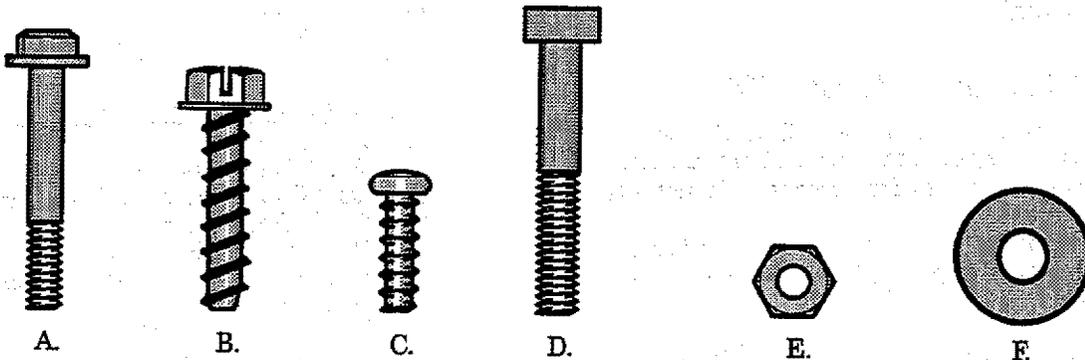


Figure 1

C. ASSEMBLY STEPS

NOTE: Hardware referred to in the following sections are shown in actual size in Figure 1.

1. DRIVE SHAFT HOUSING (Figure 2)

- a. Remove the packing cover from the straight end of the drive shaft housing if so equipped.

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

NOTE: Before performing step b., it might be necessary to loosen the throttle grip screws.

- b. Insert the drive shaft housing through the throttle grip. Figure 2.
- c. Insert drive shaft into the nose cone. Figure 2.
- d. Align the bottom groove on the drive shaft housing with the ridge on the inner, lower wall of the nose cone opening. Figure 2.
- e. Firmly push the drive shaft housing into the nose cone opening until it bottoms out (about 1-1/2 inches). Make sure the drive shaft is engaged by pulling the starter rope; if the trimmer head does not turn, reinstall the drive shaft housing in the nose cone.
- f. Insert the nose cone screws A. and lock nuts E.; tighten alternately with the hex wrench until secure. Figure 2.
- g. Slide throttle grip toward engine until it contacts the nose cone. Then, insert the throttle grip screws C. and tighten until secure.

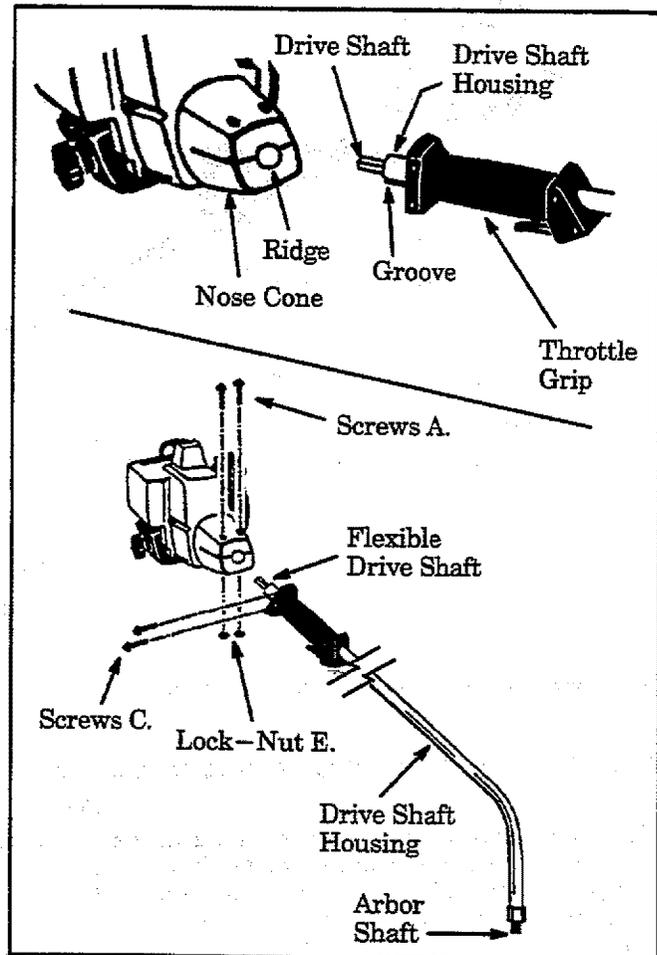


Figure 2

2. ASSIST HANDLE

- Insert the end of the drive shaft housing through the assist handle. Figure 3 (inset).
- Align the assist handle between the safety label and the throttle trigger housing. Seat drive shaft housing in the groove in the assist handle. Figure 3.
- Insert the tab on the assist handle bracket into the slot on the assist handle. Figure 3. Then, lay the assist handle bracket into place over the drive shaft housing.
- Insert the screw down through the hole in the assist handle bracket and then through the assist handle. Figure 3.
- Assemble the washer and wing nut onto the screw. Tighten securely.

CAUTION: When adjusting the assist handle for comfort, be sure that the assist handle remains between engine and safety label on drive shaft housing. Figure 3.

- Adjust assist handle up or down the shaft housing for comfort. Figure 3.

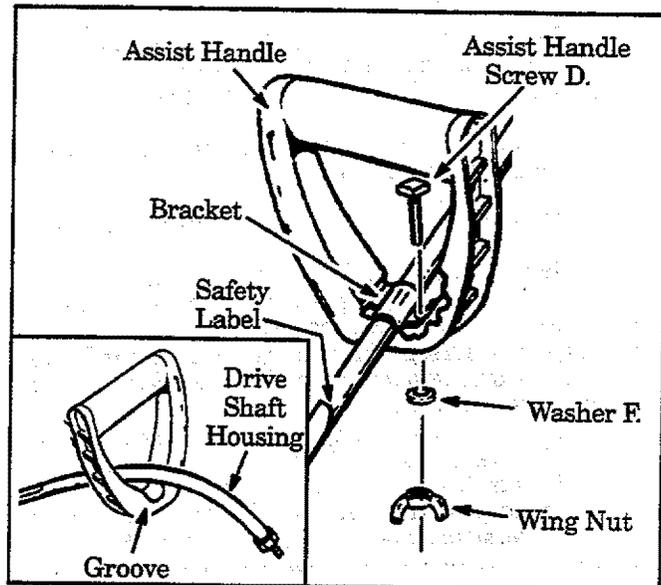


Figure 3

3. TRIMMER HEAD

- Place the Dust Cup on the Drive Shaft Housing over the hex nut that is assembled on the arbor shaft. Figure 4.
- Hold the Dust Cup with a wrench to keep the Arbor Shaft from turning.
- Thread the Trimmer Head onto the Arbor Shaft against the Dust Cup and hand tighten firmly. Figure 4.

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.

- Press the Tap Button and pull a minimum of 4 inches of Line from the Trimmer Head. Figure 5. Approximately 2 inches of line can be advanced each time the Tap Button is pressed.

NOTE: To remove Trimmer Head, hold Dust Cup with a wrench and unthread Trimmer Head.

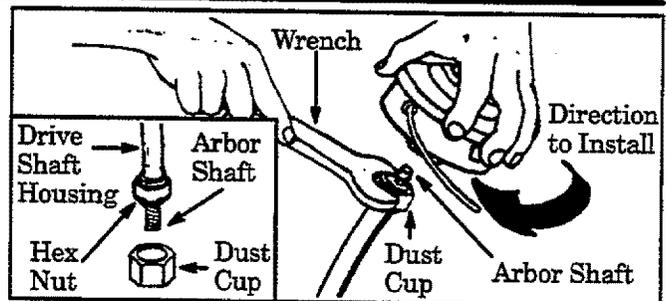


Figure 4

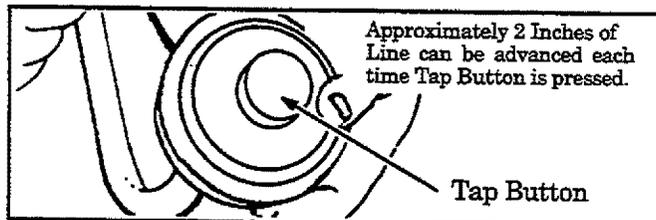


Figure 5

4. 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

Do not alter or remove the Bracket Tab. When installed correctly, the Bracket Tab ensures proper shield alignment. Failure to install the shield in the position shown in Figures 6 and 7 can result in serious injury to the operator.

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

- Match the Tab on the Bracket with the hole on the Drive Shaft Housing. Figure 6 (inset).

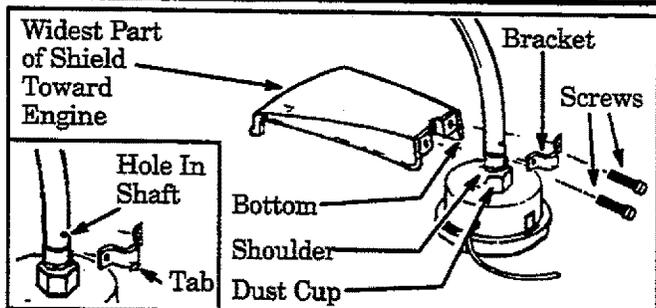


Figure 6

- Attach the Shield to the Bracket with the two screws as shown in Figure 6.

NOTE: It is easier to start Screws with a screwdriver and finish tightening with a wrench.

- Tighten the Screws evenly and securely.

NOTE: It is possible that a small space will be left between the Bracket and the Shield when the screws are fully tightened.

5. OPERATING POSITION

- a. **Before starting the engine**, stand as shown in Figure 7 and check for the following:
 1. Left arm fully extended, hand holding Assist Handle.
 2. Right arm slightly bent, hand holding Throttle Grip, fingers on Throttle Trigger.
 3. Engine below waist level.
 4. Weight of tool evenly distributed between arms.
 5. Without operator bending over, the Trimmer Head is near and parallel to the ground and easily contacts the material to be cut.
- b. **Adjust the Assist Handle** up or down the Drive Shaft Housing (*but above the safety labels*) to a comfortable position.
 1. Loosen Wing Nut by hand and adjust Assist Handle. Retighten Wing Nut by hand *only*.
 2. 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.

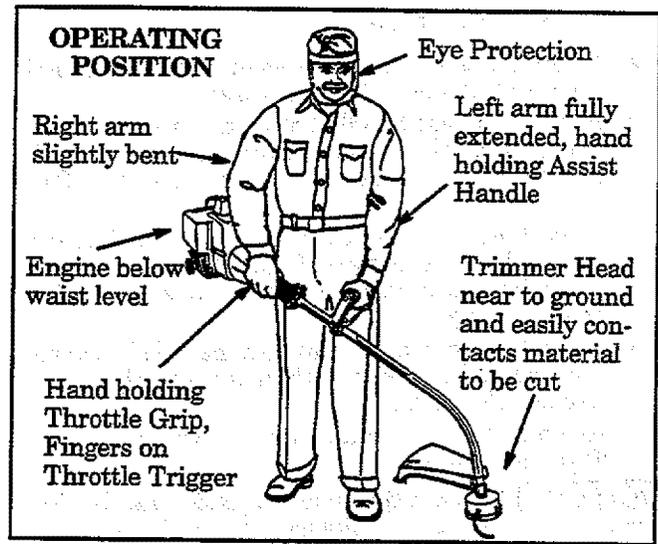


Figure 7

NOTES

ENGINE INFORMATION

A. FUELING YOUR ENGINE

1. FUEL SAFETY

- a. Use only recommended fuel mixtures.
- b. Mix and pour fuel outdoors and where there are no sparks or flames.
- c. Use a container approved for fuel.
- d. Do not smoke or allow smoking near fuel or the unit or while using the unit.
- e. Wipe up all fuel spills before starting the engine.
- f. Move at least 10 feet (3 meters) away from fueling site before starting engine.
- g. Stop engine before removing fuel cap. Allow engine to cool before refueling.
- h. Before storing the unit, use up fuel left in the fuel lines and carburetor by starting the engine and letting it run until it stops.
- i. 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.

2. FUEL MIXTURE

- a. Your unit is powered by a 2-cycle engine which requires a fuel mixture of regular unleaded gasoline and a high quality engine oil specially made for 2-cycle, air cooled engines. The internal design of the 2-cycle engine requires lubrication of moving parts. Lubrication is provided when the recommended mixture of gasoline and oil is used.
- b. Genuine Sears 40:1, 2-cycle engine oil is strongly recommended for the protection of your unit. Extensive engineering tests have proven that Sears 2-cycle engine oil resists break-down at operating temperatures common to 2-cycle engines, resulting in dependable performance and longer engine life.
- c. Gasoline must be clean and not over two months old. After a short period of time, gasoline will chemically break down and form compounds that cause hard starting and damage in 2-cycle engines.
- d. The correct measure of gasoline to oil is very important. Too much oil in the mixture will foul the spark plug.

CAUTION: Too little oil or incorrect oil will cause engine to overheat and seize.

- e. Always mix the fuel thoroughly in a container since gasoline and oil do not readily combine. Do not mix gasoline and oil directly in the fuel tank.

3. USE THE FOLLOWING:

SEARS CRAFTSMAN 2-cycle engine oil mixed at 40:1 is strongly recommended. Consult the instructions on oil container for proper mixing.

1 PART OIL TO 40 PARTS GASOLINE=

3.2 fl. oz. oil to 1 gallon gasoline

8.0 fl. oz. oil to 2.5 gallon gasoline

Not all air cooled 2-cycle engine oils have the same qualities. If SEARS CRAFTSMAN 2-cycle engine oil is not available, use a good quality, 2-cycle engine oil recommended for air-cooled engines. Mix at a ratio of 16:1 (8 oz. oil to 1 gallon gasoline). A 16:1 fuel mixture with these oils will assure adequate lubrication for your engine.

4. DO NOT USE:

- NMMA Oil--National Marine Manufacturers Association (formerly BIA oil)-- Does not have proper additives for air-cooled, 2-cycle engines and can cause engine damage.
- AUTOMOTIVE OIL-- Does not have proper additives for air-cooled, 2-cycle engines and can cause engine damage.

▲ CAUTION

Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, do not leave fuel in the unit when storing for 30 days or longer. Start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See the "Storage" section for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage can occur.

5. HOW TO MIX FUEL AND FILL TANK

- a. Pour the proper measure of engine oil into an approved, marked container. Then, fill the container with regular unleaded gasoline.

NOTE: If fuel is already in the container, add the proper measure of engine oil. Then, close the container tightly and shake it momentarily.

NOTE: Do not mix gasoline and oil directly in the fuel tank.

- b. Using a spout or funnel, fill the fuel tank with fuel mix.
- c. Reinstall the fuel caps securely.

B. PRE-OPERATION CHECKS

▲ WARNING

Review all Warnings and Safety Instructions in this manual.

1. Before operating your unit, always:

- a. 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.
- b. Replace trimmer head parts that are cracked, chipped, broken, or damaged in any other way before using the unit.
- c. Use only .080" diameter Sears Laser Line. Never use wire, rope, string, etc.
- d. Use only with the shield properly attached.

- e. Use only the specified trimmer head. See "Specifications." Make sure the trimmer head is properly installed and securely fastened. Refer to "Assembly."
- f. Make carburetor adjustments with the drive shaft housing supported to prevent trimmer line from contacting any object. Hold unit by hand; do not use optional shoulder strap for support.
- g. Keep others away when making carburetor adjustments.
- h. Use only genuine Sears accessories or attachments recommended for this unit.
- i. Clean air filter if dirty before operating unit. Refer to "Specifications," for air filter location.

C. STARTING INSTRUCTIONS

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

1. Before starting the Engine:

- Fuel engine. Move 10 feet (3 meters) away from fueling site.
- Extend lines approximately 4 inches from Trimmer Head to provide adequate load on engine. Figure 8.
- Rest Engine and Shield on ground, supporting Trimmer Head off ground away from trees, bushes, onlookers, etc. Figure 8.
- Start engine before lifting tool to operating position.

2. For a Cold Engine or a Warm Engine after running out of Fuel:

- Move ignition switch (Figure 9) to the on position.
- Move Choke to "Full Choke" position. Figure 9.
- Grasp Throttle Grip and squeeze Throttle Trigger fully. *Keep Throttle Trigger fully squeezed until engine runs smoothly (through step "g.")*
- Pull Starter Rope sharply until engine attempts to run, but no more than 8 pulls at full choke to avoid flooding the engine. *The "attempt to run" may be hard to hear. The operator must listen carefully.* After 8 pulls, proceed to step "e." even if the engine has not attempted to run.
- Move Choke to "Half Choke" position. Figure 9.
- Pull the Starter Rope sharply until the engine runs, but no more than 5 pulls.

NOTE: If the engine has not started after 5 pulls, repeat steps "a." through "f."

- Allow engine to run 5 seconds, then push Choke to "Off Choke" position. Figure 9. *Keep Throttle Trigger squeezed until engine runs smoothly.*

NOTE: If engine dies with Choke at "Off Choke" position, repeat steps "e." through "g."

NOTE: If engine does not start, pull Starter Rope 5 more pulls. If engine still does not run, it is probably flooded. Wait a few minutes and repeat procedure with Choke at "Off Choke" position. Figure 9.

▲ WARNING

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

3. For a Warm Engine:

- Move ignition switch (Figure 9) to the on position.
- Move Choke to "Half Choke" position. Figure 9.
- Grasp Throttle Grip and squeeze Throttle Trigger fully.
- Pull Starter Rope sharply until engine runs, but no more than 5 pulls. *Keep Trigger fully squeezed until engine runs smoothly.*

NOTE: If engine does not run after 5 pulls, it is probably flooded. Wait a few minutes and repeat procedure with Choke at "Off Choke" position. Figure 9.

- Move Choke to "Off Choke" position. Figure 9.

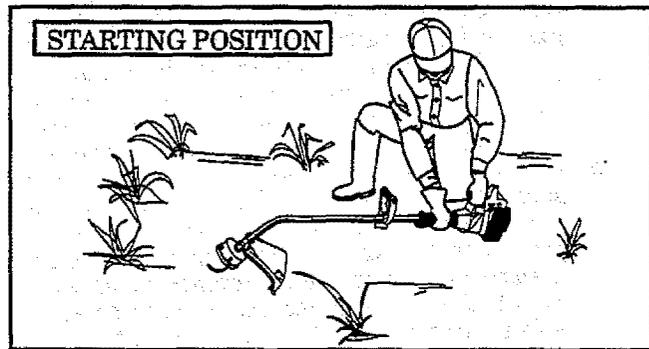


Figure 8

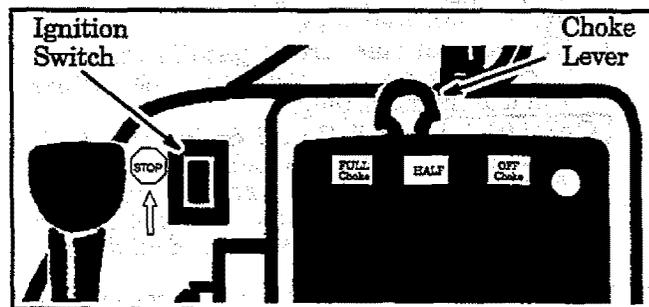


Figure 9

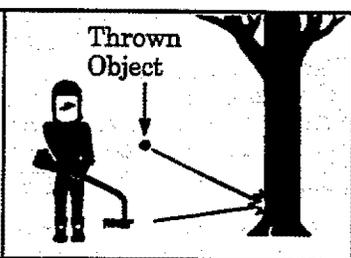
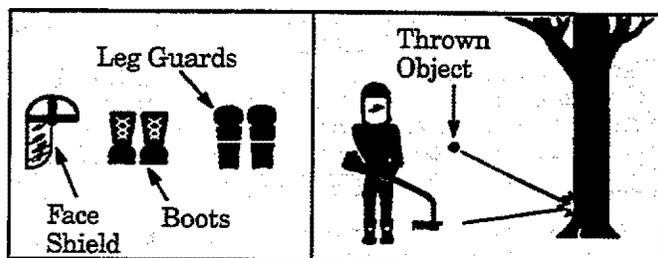
NOTES

D. OPERATING INSTRUCTIONS

1. Bring the engine to cutting speed before entering the material to be cut.
 - a. 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.
 - b. If the 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-Drive Shaft Housing."

2. Always release the Throttle Trigger and allow the engine to return to idle speed when not cutting.
3. To stop engine:
 - a. Release the Throttle Trigger.
 - b. Move Ignition Switch to the "Off" position.

USING YOUR TRIMMER



⚠ WARNING - THROWS OBJECTS

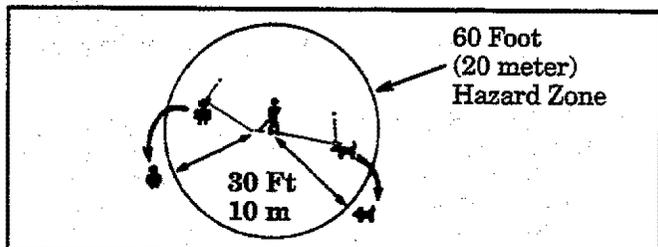
The rapidly moving line causes objects to be thrown violently. The shield will not provide complete protection to the operator or others. The operator must wear a safety face shield or goggles. Always wear heavy, long pants and boots. Keep others at least 30 feet (10 meters) away.

⚠ 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 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, boots, and gloves. See "Accessories." Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. 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 trimmer head which could be more of a hazard than touching the plant itself.
- c. Do not operate this tool when you are tired, ill or under the influence of alcohol, drugs or medication.
- d. Do not swing tool with such force that you are in danger of losing your balance.
- e. Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
- f. 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 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

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

- When possible, cut with the left side of the trimmer head.
- Do not raise the engine above your waist.
- Keep all parts of your body away from the trimmer line when the engine is running.
- Keep all parts of your body away from a hot muffler.
- Use only for jobs explained in this manual.

▲ WARNING

Avoid any contact with a hot muffler. 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:

- Operate the engine at full throttle.
- Hold the trimmer head parallel to and above the grassy area.
- Tap the bottom of the trimmer head lightly on the ground one time. See Figure 10. Approximately 2 inches of line will be advanced with each tap.

NOTE: Always tap the 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 line. Other sizes of line will not advance properly and can cause serious injury. Do not use other materials such as wire, string, rope, etc. Wire can break off during cutting and become a dangerous missile that can cause serious injury.

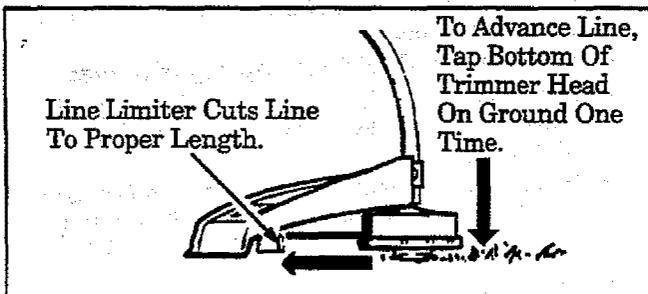


Figure 10

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 the 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 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.

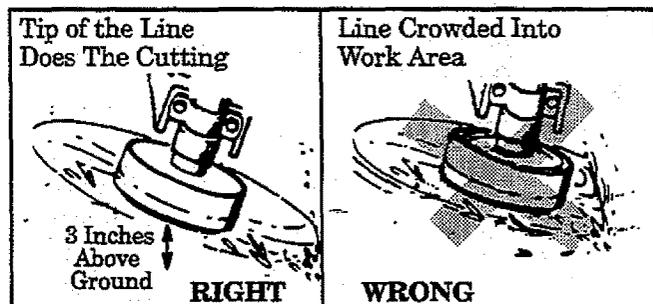


Figure 11

▲ 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 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.

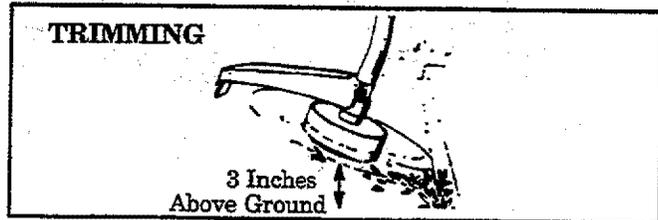


Figure 12

2. **SCALPING** - FIGURE 13 . The scalping technique removes unwanted vegetation. Hold the bottom of the trimmer head about 3 inches above the 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.*

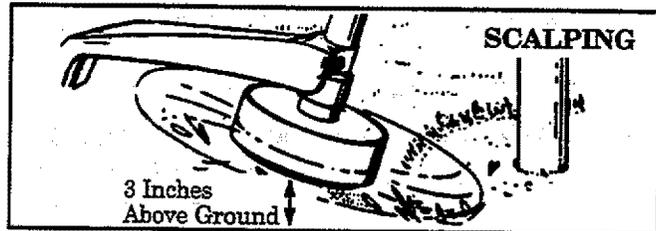


Figure 13

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.

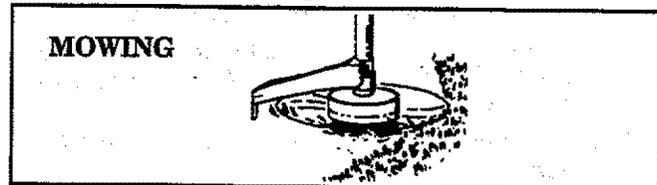


Figure 14

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.

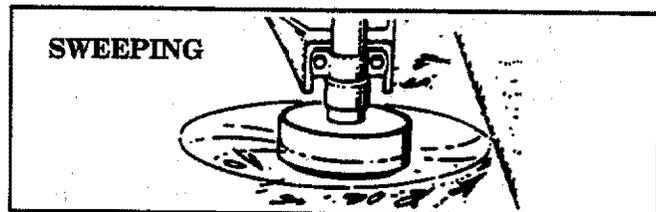


Figure 15

D. LINE REPLACEMENT

- For proper line feed:
 - Use only genuine SEARS pre-wound spools and .080" diameter line. The 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 the spool and hub when performing any type maintenance.

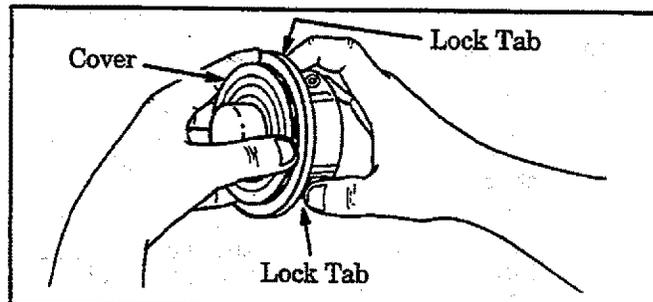


Figure 16

1. Installing Spool w/Line

- a. Hold the Trimmer Head as shown in Figure 16 . Press the two Lock Tabs and remove the cover. Figure 16 .
- b. Remove the Spool. Figure 17 .
- c. Clean dirt and debris from all parts.
- d. Inspect all Trimmer head parts for damage. Replace damaged parts.

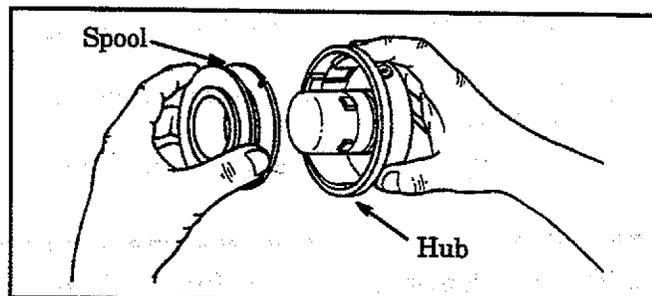


Figure 17

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

- e. Catch the line in the notch in the spool. Figure 18 (inset). Leave about 4 inches of line hanging from the spool.
- f. Place your index finger over the line and notch as shown in Figure 18 . Insert the end of the Line in the Line Exit Hole. Figure 18 .

- g. Align the line and notch with the Line Exit Hole. Figure 18. Place Spool in Hub. Make sure the Trimmer Line is not caught between the rim of the Spool and the Hub.

NOTE: To seat the spool in the Hub, it may be necessary to pull the line through the Line Exit Hole until the spool drops into place.

- h. Align the Lock Tabs on the Cover over the Catches on the Hub. Push the Cover down onto the Hub until the parts snap together. Figure 19.

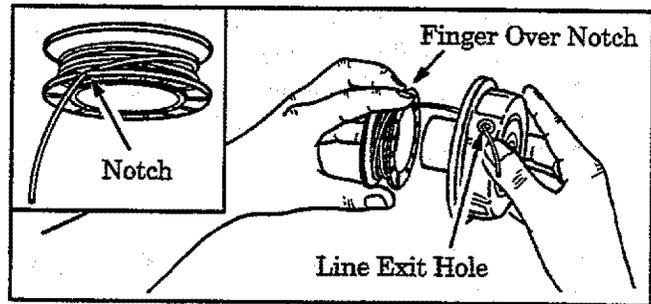


Figure 18

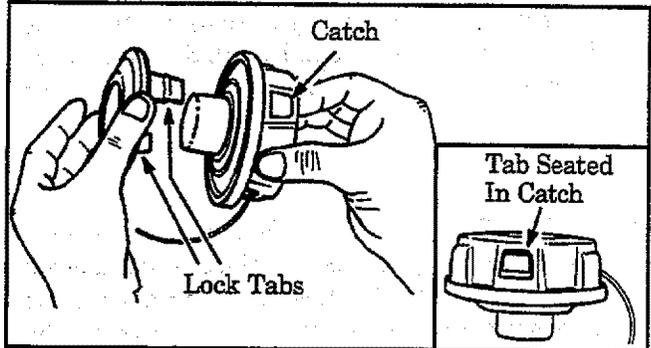


Figure 19

▲ WARNING
The lock tabs must be latched onto the Hub. If installed incorrectly, the Cover can fly off and become a dangerous missile.

- i. Check to make sure the Lock Tabs are properly fastened as shown in Figure 19 (inset).
- j. Obtain correct line length (4 inches) by pressing the Tap Button (Figure 20) and pulling on the line again.

NOTE: If tap button gets knocked out of the hub, reassemble parts as follows:

1. Remove the cover and spool.
2. Place the spring in the hub cylinder. Figure 21 (inset).
3. Place the tap button over the spring and hub cylinder.
4. Align the slots in the tap button with the fins in the base of the hub. Figure 21 (inset). Push parts together.
5. Reinstall the spool and cover.

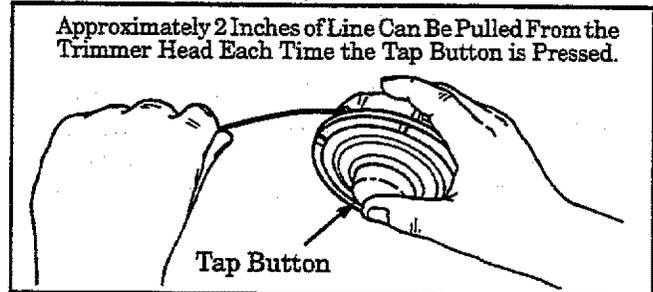


Figure 20

2. Installing Line on Spool

- a. To replace the Line on existing Spool:
- 1.) Follow "Installing Spool w/Line," steps "a.-d." and remove any line remaining on the Spool.
 - 2.) Use a 25 foot length of .080" diameter line.
 - 3.) Insert about 1/4 inch of the end of the line through the hole in the inner rim of the Spool. Figure 21. Allow no more than 1/2 inch of line to extend beyond the rim to avoid interference with tapping action.
 - 4.) Wrap the line onto the spool as shown by the arrow. Figure 21.

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

- 5.) Follow "Installing Spool w/Line" steps "e.-j."

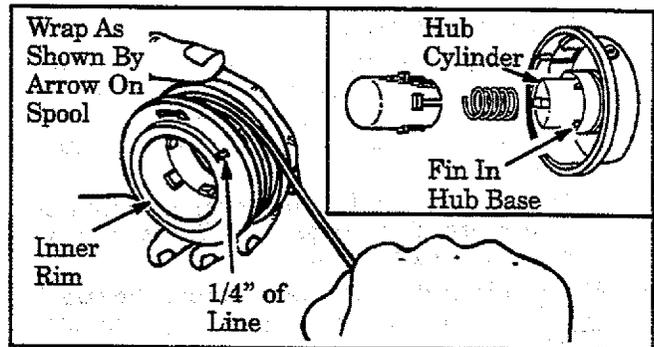


Figure 21

- b. 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 Spool, leaving 4-6 inches of extended Line. Continue with steps "e.-j."

3. 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.
 - Improperly wound onto spool.

GENERAL MAINTENANCE

A. MAINTENANCE SAFETY

1. Maintain the tool according to recommended procedures. Keep the cutting line at the proper length.
2. Disconnect the spark plug before performing maintenance except for carburetor adjustments.
3. Make carburetor adjustments with the drive shaft housing supported to prevent the trimmer line from contacting any object.
4. Keep others away when making carburetor adjustments.
5. Replace trimmer head parts that are cracked, chipped, broken, or damaged in any other way before using the tool.
6. Use only SEARS .080" diameter line. Never use wire, rope, string, etc.
7. Use only genuine SEARS replacement parts as recommended.
8. 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 other flammable solvent to avoid creating a fire hazard.

1. Clean the Air Filter:

- Always after 5 tanks of fuel or 5 hours of operation, whichever ever is less.
- More frequently, in dusty conditions.
 - a. Remove the two screws from the air filter cover. Remove air filter cover. Figure 22 .
 - b. Remove the air filter. Figure 22 .
 - c. Wash filter in soap and water.
 - d. Squeeze filter dry and reinstall.
 - e. Reinstall the air filter cover. Install the screws and tighten securely.

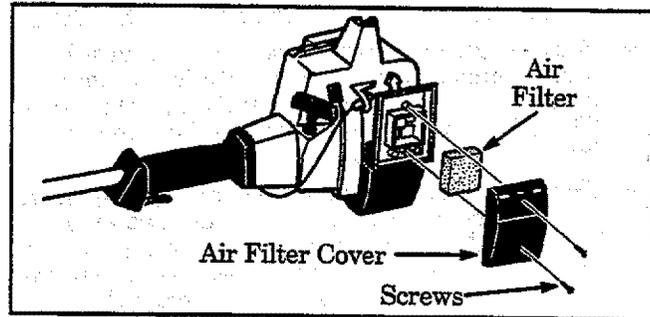


Figure 22

NOTE: If replacing the air filter, use air filter #952-701614.

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.

• Use the following procedure for best results:

• Use Flex shaft Lube Part No. 530-030139.

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

1. Loosen the screws in the throttle grip.
2. Loosen the screws in the nose cone. Slide the drive shaft housing out of the nose cone, then out of the throttle grip.

3. Remove the drive shaft from the drive shaft housing. Figure 23 .
4. Check the drive shaft for broken wires, twists or kinks, and replace if damage is found.
5. Using a clean cloth, wipe the drive shaft thoroughly to remove any old grease. Figure 23 .
6. Apply a uniform coat of lube to the entire surface of the drive shaft.
7. Inject the remaining contents of the tube into the top of the drive shaft housing.
8. Replace drive shaft in the drive shaft housing. Figure 23 .
9. Reassemble drive shaft housing to the throttle grip and the nose cone. Tighten nose cone screws and throttle grip screws securely.

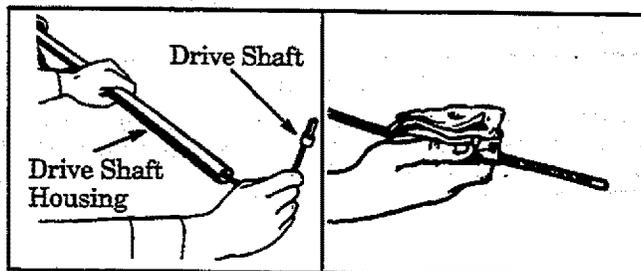


Figure 23

D. CARBURETOR ADJUSTMENTS

NOTE: This 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 drive shaft housing 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 "Trouble Shooting 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. TROUBLE SHOOTING SUGGESTIONS

- Engine will not continue to run at idle position. See "Idle Speed Adjustment" and "Low Speed Mixture Adjustment."
- Engine dies or hesitates when it should accelerate. See "Acceleration Check."
- Loss of cutting power which cannot be corrected by cleaning the air filter. See "High Speed Mixture Adjustment."
- Engine 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 adjustment, begin with "Basic Carburetor Settings."

▲ WARNING

The trimmer line will be spinning during 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 mixture screw (Figure 24) clockwise until it stops. *Do not turn the screw until it is tight as damage to the needle seat can occur.*
- b. Turn the mixture screw between three-quarters and one full turn counterclockwise.

3. ADJUSTING PROCEDURE

a. PREPARATION

1. Use a fresh fuel mix. See "Fueling Your Engine."
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.
 - Turn screw clockwise to increase engine speed if the engine stalls or dies.
 - Turn screw counterclockwise to slow engine down.
3. Follow instructions in "Acceleration Check" and "Deceleration Check."
4. No further adjustments are necessary if performance is satisfactory.

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 Mixture Screw (Figure 24) counterclockwise a small amount (no more than the width of the slot in the adjusting screw).
3. Repeat step "2." until smooth acceleration is obtained.

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

4. Follow instructions in "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**, no further adjustments are necessary.
 - b. **If the engine slowly or erratically returns to idle or idles erratically**, proceed to "Mixture Adjustment."

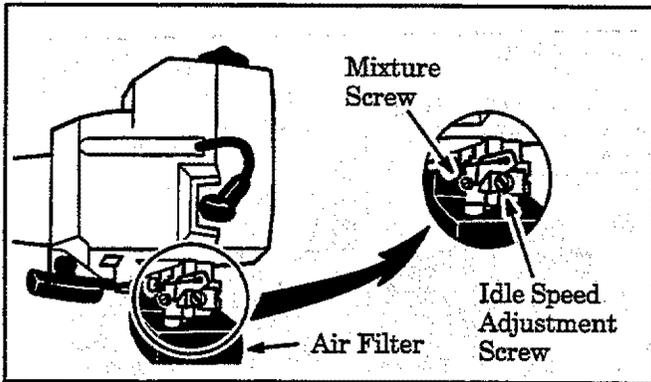


Figure 24

e. MIXTURE ADJUSTMENT

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

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

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

3. Turn mixture screw (Figure 24) very slowly clockwise until engine speed is reduced.
4. Turn mixture screw very slowly counter-clockwise. Stop when the engine begins to run roughly.
5. Turn the 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 nearest Sears Service Center/Department.

NOTES

E. STARTER ROPE

- Replace a Starter Rope that breaks.

▲ WARNING

Do not remove the retaining tab and screw to remove 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 Authorized Service Dealer.

1. Disconnect spark plug wire. Figure 25 .
2. Loosen the nose cone screws. Figure 25 .
3. Separate the drive shaft housing/throttle grip from the engine.
4. Disconnect the throttle cable (Z fitting) from the throttle lever as follows:
 - a. pivot the throttle lever toward the throttle cable;
 - b. turn the Z fitting sideways (Figure 26);
 - c. remove the Z fitting from the hole in the throttle lever, then release the throttle lever.
5. Squeeze the snap fitting and remove it from the pulley housing. Figure 26 .
6. Remove the five pulley housing screws (four on the front, one by the spark plug) with the small hex wrench provided. Figure 25 (inset).
7. Separate the pulley housing from the engine.
8. Disconnect switch wires from switch. Figure 27 .
9. Remove the rope retention screw. Figure 28 . Remove any remaining rope from around the pulley ratchet. Figure 28 .
10. Hold pulley housing as shown in Figure 28 . Hand turn the pulley clockwise as far as it will go.
11. Turn the pulley counterclockwise until the pulley notch is aligned with the housing notch next to the retaining tab and screw. Figure 28 .
12. Then, turn the pulley one *complete* turn counterclockwise until the notches are aligned again.
13. Insert the hex wrench into the hole formed by the notches to hold the pulley in position. Figure 28 (inset—upper left).
14. Use a 42" length of replacement rope.
15. 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.
16. Pull melted ends through a thick, clean rag while the rope is still hot to obtain smooth, pointed ends.
17. 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).
18. 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 .
19. 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 retention post as shown in Figure 28 . The rope tail *must not* extend beyond the raised circle on the pulley to prevent interference with the retaining tab. Figure 28 .
20. Thread the rope retainer screw into the retainer post. Figure 28 . Do not overtighten screw.

21. Hold the rope taut at the rope exit hole so the pulley will not move. Remove hex wrench.
22. Reverse steps 1. through 8. to re-assemble.

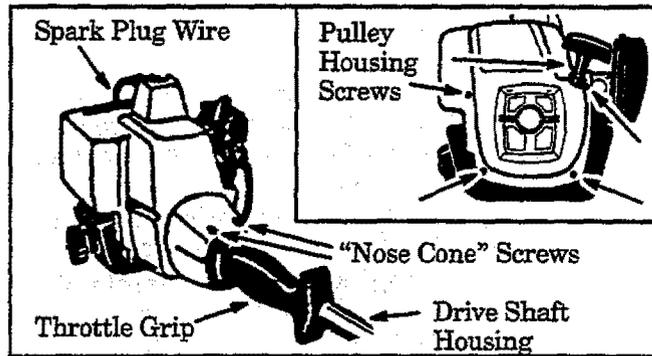


Figure 25

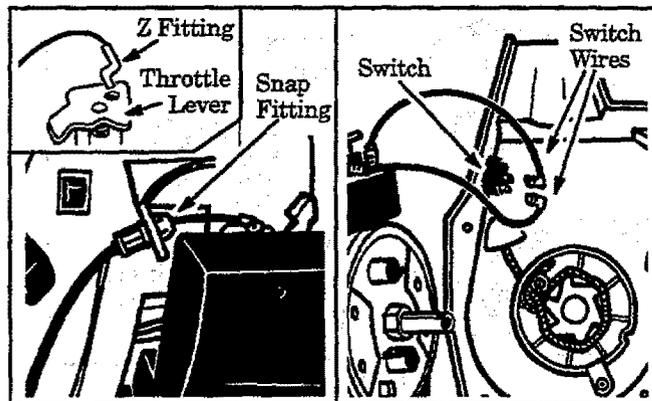


Figure 26

Figure 27

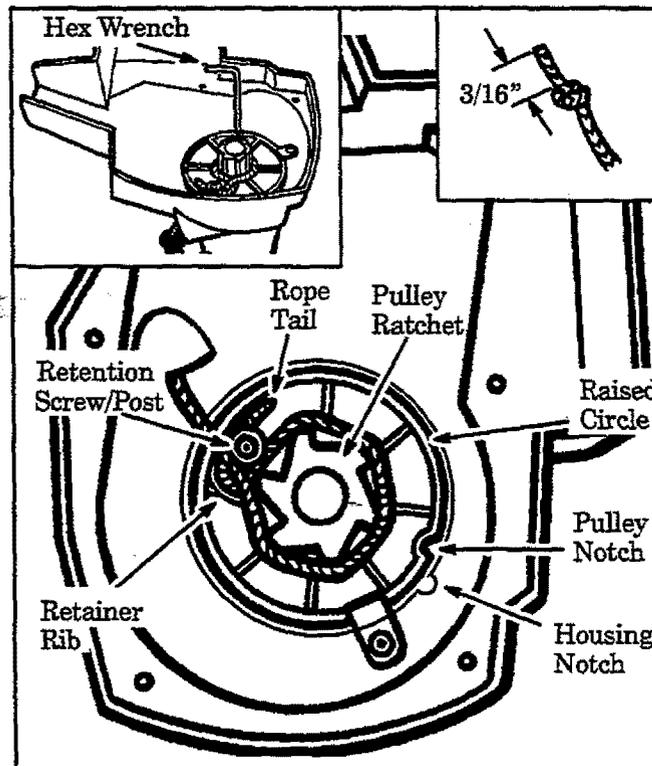


Figure 28

F. 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 Service Dealer.
Engine will not idle properly.	<ol style="list-style-type: none"> 1. Throttle trigger screw too tight. 2. Idle speed set too fast or too slow. 3. Low speed mixture requires adjustment. 4. None of the above. 	<ol style="list-style-type: none"> 1. See the "Throttle Cable" section. 2. See "Carburetor Adjustments." 3. See "Carburetor Adjustments." 4. Contact your Authorized Service Dealer.
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 Authorized Service Dealer. 5. Contact your Authorized Service Dealer.
Engine smokes excessively.	<ol style="list-style-type: none"> 1. Air filter dirty. 2. Fuel mixture incorrect. 3. High speed mixture requires adjustment. 	<ol style="list-style-type: none"> 1. Clean or replace air filter. 2. Refuel with correct fuel mixture. 3. See "Carburetor Adjustments."
Engine runs hot.	<ol style="list-style-type: none"> 1. Fuel mixture incorrect. 2. Spark plug incorrect. 3. High speed mixture set too low (Lean). 4. None of the above. 	<ol style="list-style-type: none"> 1. See "Fueling Your Unit." 2. Replace with correct plug. 3. See "Carburetor Adjustments." 4. Contact your Authorized Service Dealer.
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. Carburetor requires adjustments. 3. Drive shaft broken. 	<ol style="list-style-type: none"> 1. See "Assembly," "Drive Shaft Housing." 2. See "Carburetor Adjustments." 3. Contact your Authorized Service Dealer.
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" diameter line. 4. Remove cover. Pull 4" of line to outside. 5. Clean cover cut-outs.
Line welds onto spool.	<ol style="list-style-type: none"> 1. Line size incorrect. 2. Incorrect spool. 3. Crowding line against material being cut. 4. Cutting at higher speed than necessary. 	<ol style="list-style-type: none"> 1. Use only .080" diameter line. 2. Use proper spool. 3. Cut with tip of line. 4. Reduce cutting speed.
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" of line to outside. 2. Contact your Authorized Service Dealer.

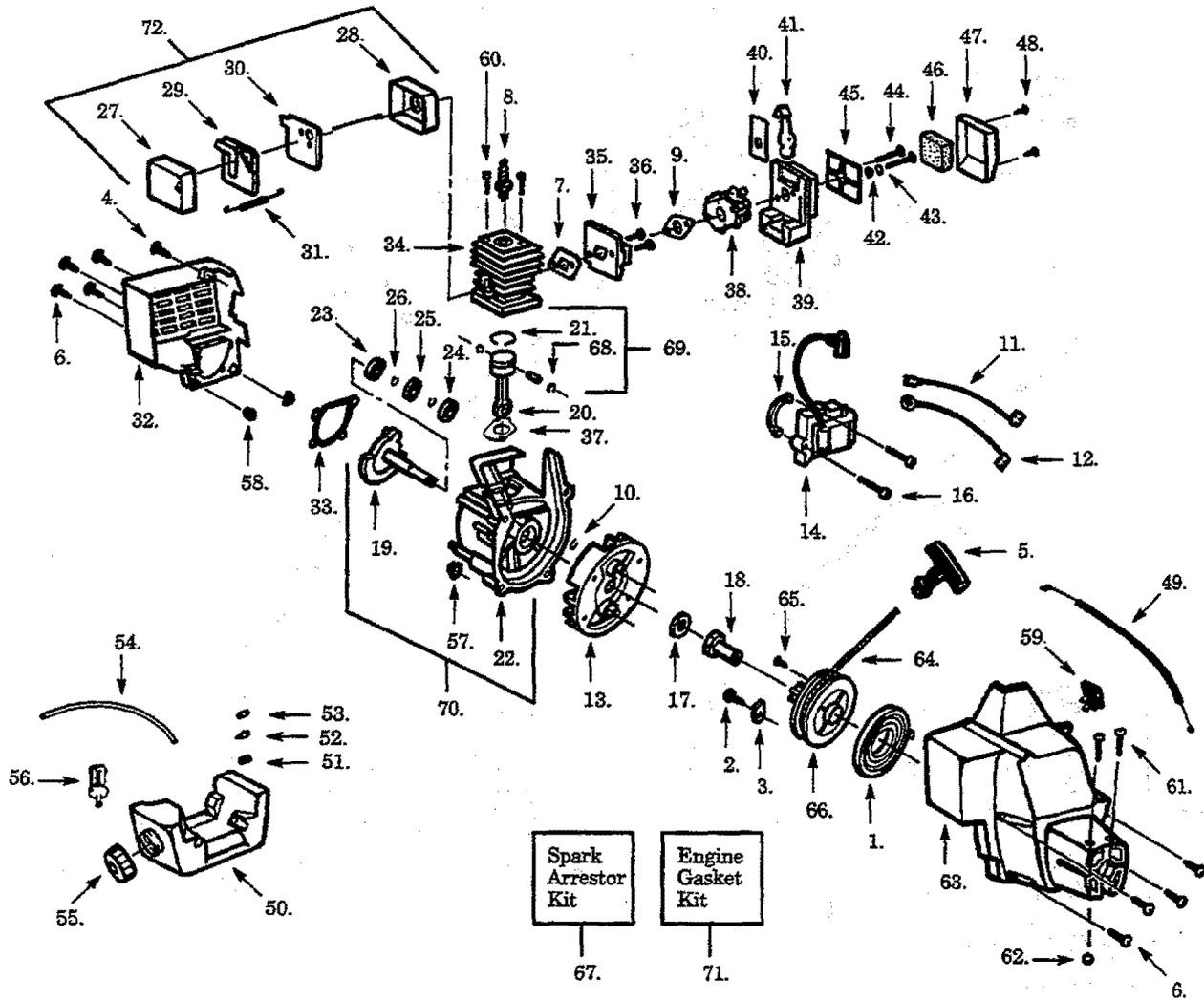
ACCESSORIES

ITEM	STOCK NO.
SAFETY GOGGLES	71-85707
SEARS 2-CYCLE ENGINE OIL	
--3.2 oz.	71-36552
--8 oz.	71-36555
--16 oz.	71-36553
REPLACEMENT TRIMMER HEAD	71-85801
SPOOL W/LINE	71-85811
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
AIR FILTER	952-701614
FLEX SHAFT LUBE	530-030139
OPERATOR'S MANUAL	530-081360

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SEARS WEEDWACKER REPAIR PARTS LIST - MODEL 358.799110 - 21cc - 45"

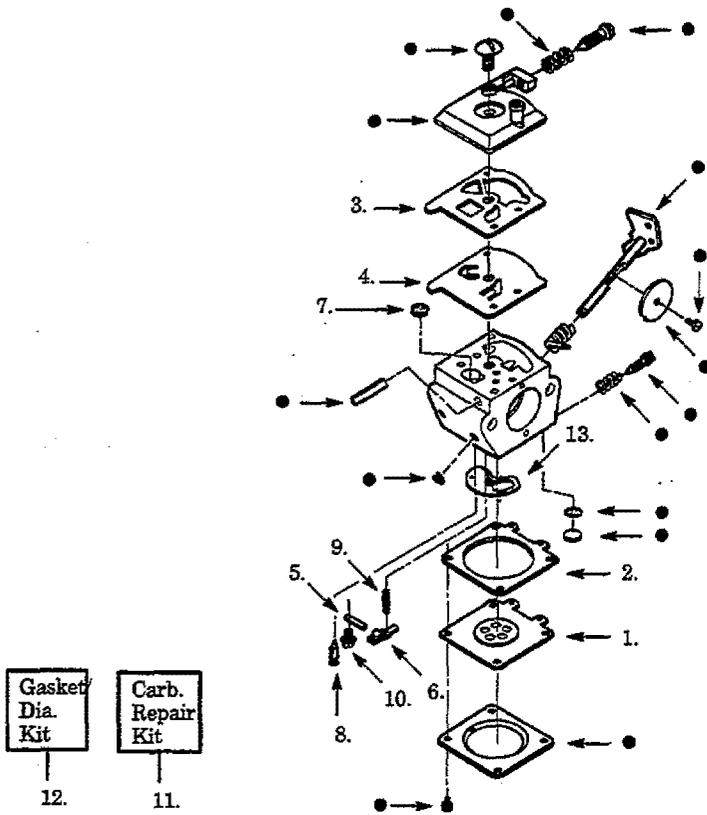


Ref.	Part No.	Description	Ref.	Part No.	Description	Ref.	Part No.	Description
1.	530-029395	Starter Spring	26.	530-015945	Retaining Ring	51.	530-026119	Check Valve
2.	530-015496	Screw	27.	530-036578	Muffler Body	52.	530-029717	Element
3.	530-027523	Retainer	28.	530-036577	Muffler Cover	53.	530-029696	Retainer
4.	530-015934	Screw	29.	530-036580	Muffler Baffle-Exit	54.	530-069247	Fuel Line
5.	530-027569	Starter Handle	30.	530-036579	Muffler Baffle-First	55.	530-036794	Fuel Cap Ass'y.
6.	530-015810	Screw	31.	530-029930	Muffler Spring	56.	530-014362	Fuel Pickup Ass'y.
7. +	530-019185	Cylinder Gasket	32.	530-014812	Rear Shroud	57.	530-036792	C'case Isolator
8.	530-030073	Spark Plug	33. +	530-019181	Gasket	58.	530-036793	Shroud Isolator
9. +	530-019183	Gasket	34.	530-012309	Cylinder	59.	530-029239	On/Off Switch
10.	530-015941	Retainer	35.	530-036517	Carb. Adaptor	60.	530-015953	Screw
11.	530-014663	Lead Wire	36.	530-016014	Screw	61.	530-015767	Screw
12.	530-014662	Ground Wire	37. +	530-019186	Gasket	62.	530-015768	Locknut
13.	530-039149	Flywheel Ass'y.	38.	530-035308	Carburetor w/o Choke	63.	530-014812	Fan Housing
14.	530-039163	Ignition Module	39.	530-036567	Air Box	64.	530-069232	Rope Kit
15.	530-036145	Spacer	40.	530-036563	Choke Plate	65.	530-015823	Screw
16.	530-015954	Screw	41.	530-036564	Choke Shutter	66.	530-069400	Starter Pulley
17.	530-015828	Washer	42.	530-015254	Wave Washer	67.	530-069380	Spark Arrestor Kit
18.	530-027953	Drive Coupling	43.	530-027528	Choke Spacer	68.	530-015162	Piston Pin Retainer
19.	530-014532	Crankshaft Ass'y.	44.	530-015849	Screw	69.	530-069387	Piston Kit
20.	530-014397	Connecting Rod Assy.	45.	530-036569	Filter Plate			(Incl. 21, 68 & Pin)
21.	530-036404	Piston Ring	46.	530-036575	Air Filter Foam	70.	530-014729	C'case & C'shaft Assy
22.	530-014609	Crankcase Ass'y.	47.	530-036568	Air Filter Cover			(Incl. 10, 19, 22-26)
23.	530-032125	Inner Bearing	48.	530-015966	Screw	71.	530-069388	Gasket Kit (+ Indicates Contents)
24.	530-032124	Outer Bearing	49.	530-036744	Throttle Cable Ass'y.	72.	530-069389	Muffler Kit
25.	530-019179	C'case Seal	50.	530-036781	Fuel Tank Ass'y.			

* = REFER TO THE SERVICE REFERENCE INDICATED FOR MORE INFORMATION. (LOCATED AT END OF IPL)

SEARS WEEDWACKER REPAIR PARTS LIST – MODEL 358.799110 – 21cc – 45”

Carburetor Assembly Part Number #530-035308 – WA-215



Ref.	Part No.	Description
1.	530-035014	Metering Diaphragm
2.	530-035001	Metering Diaphragm Gasket
3.	530-035164	Pump Gasket
4.	530-035166	Pump Diaphragm
5.	530-035028	Metering Lever Pin
6.	530-035031	Metering Lever
7.	530-035178	Fuel Inlet Screen
8.	530-035106	Inlet Needle Valve
9.	530-037330	Metering Lever Spring
10.	530-035016	Metering Lever Pin Screw
11.	530-069460	Carburetor Repair Kit
12.	530-069461	Gasket/Diaphragm Kit
13.	530-035211	Circuit Plate Gasket

• = THESE PARTS ARE ILLUSTRATED FOR CLARITY. ORDER COMPLETE ASSEMBLY.

NOTES

NOTES

NOTES

QUICK REFERENCE PAGE

*Read and Follow All Warnings, Safety Instructions, and Operating Instructions.
Failure to do so can result in serious injury.*

WARNINGS AND SAFETY INSTRUCTIONS 3

1. Know all warnings and safety instructions in this manual.
2. Wear safety face shield or goggles for eye protection.
3. Dress safely—boots or safety shoes and heavy, long pants.
4. Check unit for worn, loose, missing, or damaged parts; repair or replace as necessary before using unit.
5. Inspect and ensure the area to be cut is safe.
6. Keep children, bystanders, and animals 30 feet (10 meters) away.

FUELING 9

1. Eliminate all sources of sparks or flame where fuel is mixed, poured, or stored.
2. Use 3.2 oz. 2-cycle, air-cooled engine oil to 1 gal. (3.8 l) regular unleaded gasoline, OR, 8 oz. 2-cycle, air-cooled engine oil to 2.5 gal. (9.5 l) regular unleaded gasoline.
3. Use clean and fresh fuel.
4. Mix and store fuel in an approved, marked container.
5. Mix and pour fuel in an outdoor area.
6. Move a minimum of 10 feet (3 meters) away from the fuel and fueling site before starting the engine.

STARTING THE ENGINE 10

1. Extend line 4 inches (10 cm) from the head.
2. Rest the shield on the ground supporting the trimmer head off the ground and away from objects and on-lookers.
3. Keep the throttle trigger squeezed fully until engine runs.
4. Pull the starter rope sharply and quickly.

OPERATING THE UNIT 11

1. Do not operate the unit at a higher speed than necessary.
2. Release the throttle trigger and allow the engine to idle when not cutting.
3. Stop the engine by moving the ignition switch to the "Off" position.

MAINTENANCE 15

1. Have all maintenance other than the recommended procedures described in the Operator's Manual performed by your Sears Service Center/Department.
2. Run fuel from the unit before storing.
3. Disconnect spark plug before performing maintenance except for carburetor adjustments.
4. Clean air filter frequently, but always after 5 hours of operation or 5 tanks of fuel, whichever is less.
5. Store unit in a dry place out of the reach of children.

SEARS

Operator's Manual

Model No.
358.799110-21cc

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
358.799110-21cc | 4. The NAME OF ITEM --
21cc Gas Weedwacker |

If the parts you need are not stocked locally, your order will be electronically 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.

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