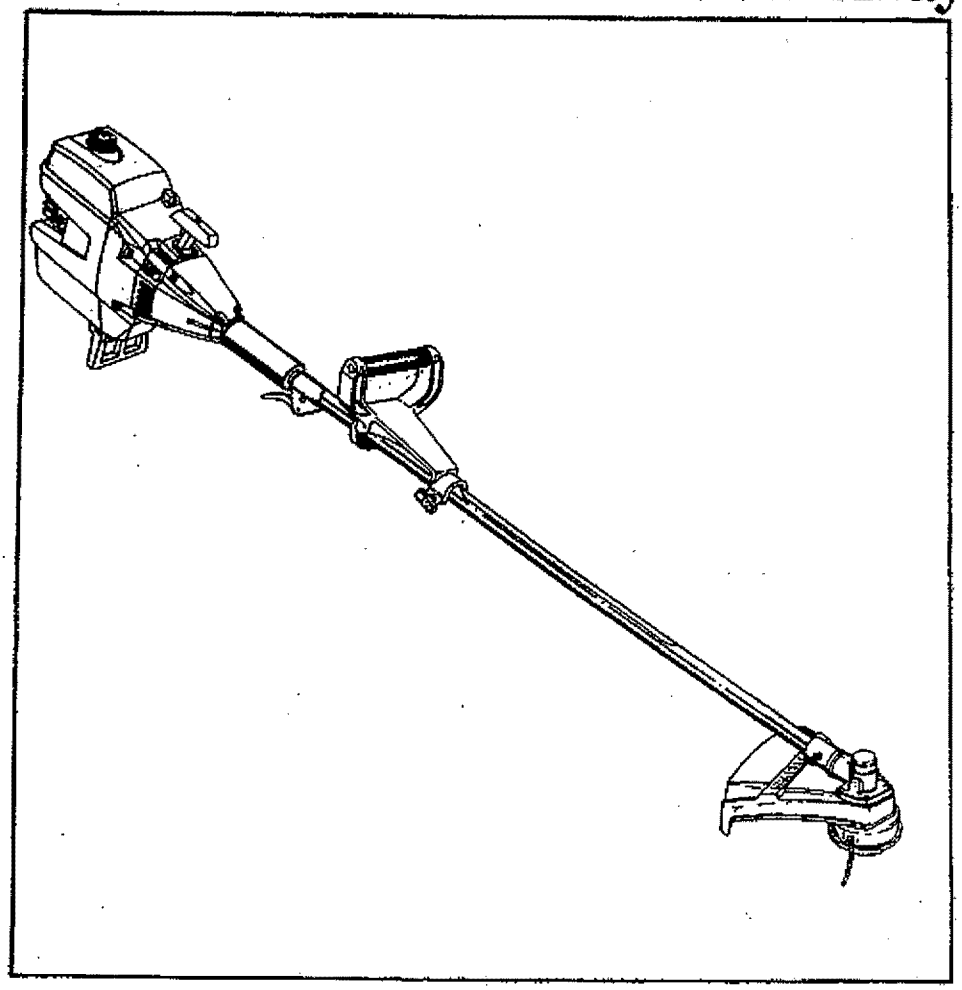
IMPORTANT MANUAL Do Not Throw Away

SEARS

Operator's Manual

MODEL NO.
358.799260/32cc
(18" Cutting Path)



Always Wear Eye Protection

CUSTOMER ASSISTANCE
1-800-235-5878

SEARS / CRAFTSMAN®

32cc 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
- Operation
- Maintenance
- Repair Parts

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

530-082427-1-04/12/94

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.

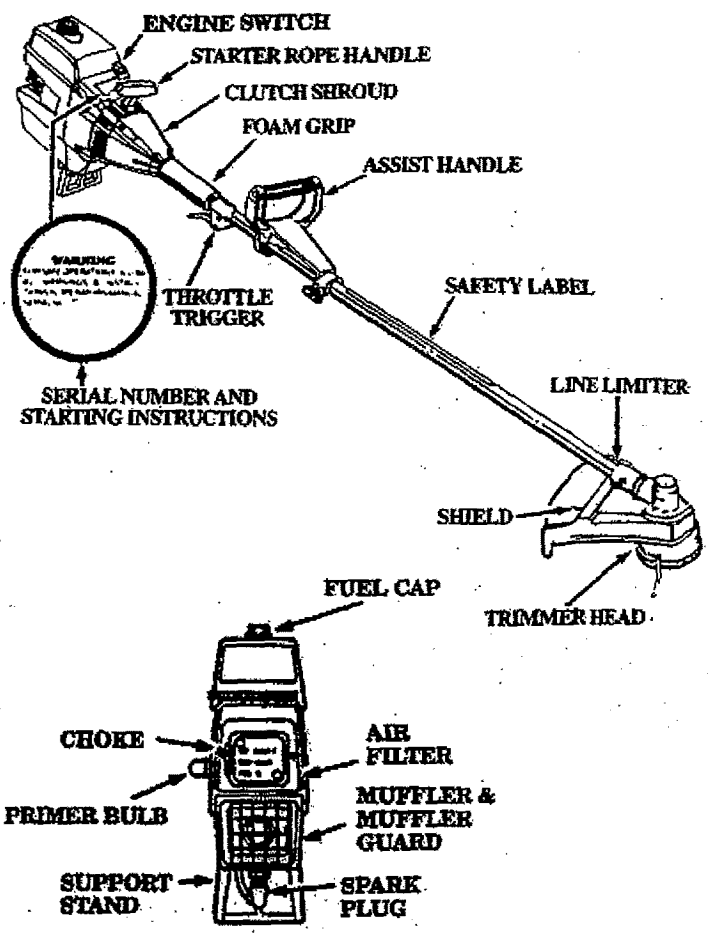
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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

TABLE OF CONTENTS

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 Positions with adjustable fuel mixture jets
ENGINE "OFF":	Positive Switch
STARTER:	Auto Rewind
MUFFLER:	Temperature Limiting (not spark arresting: see Notice, p. 6)
CLUTCH:	Centrifugal
FUEL TANK:	17 fl. oz.
SPARK PLUG:	71-85854 (CJ-14)
SPARK PLUG GAP:	.025"
MODULE AIR GAP:	.010" / .014"
LUBRICATION:	Gasoline/Oil Mixture - 40:1 (See "Fueling Your Engine")
CUTTING LINE:	.080" Diameter Sears Laser Line®
SHAFT LENGTH:	52"



NOTE: LASER LINE® IS A REGISTERED TRADEMARK OF WHITE CONSOLIDATED INDUSTRIES, INC.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 3,708,967; 3,826,068; 3,859,776; 4,035,912; 4,052,789; 4,054,992; 4,067,108; 4,104,797; 4,114,269; 4,124,938; 4,156,312; 4,156,967; 4,161,820; 4,167,812; 4,269,675; DES.249,630; DES.255,764; DES.260,394. U.S. AND FOREIGN PATENTS PENDING.

⚠ WARNINGS AND SAFETY INSTRUCTIONS

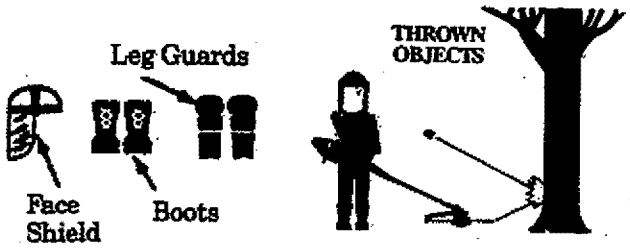
(See Additional Safety Instructions throughout this Manual)

⚠ 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.

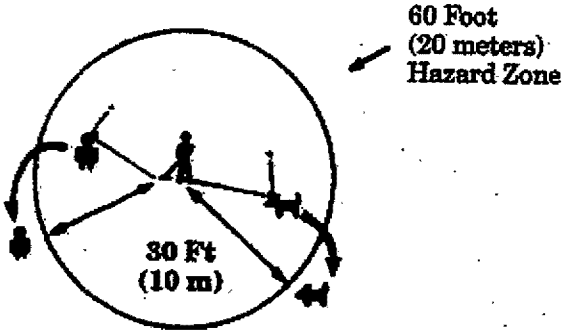
- **THIS UNIT IS DESIGNED FOR LINE TRIMMER USE ONLY**
- ***NEVER USE ANY OTHER CUTTING ATTACHMENT WITH THIS UNIT.***



⚠ WARNING

TRIMMER LINE CAN THROW OBJECTS VIOLENTLY.

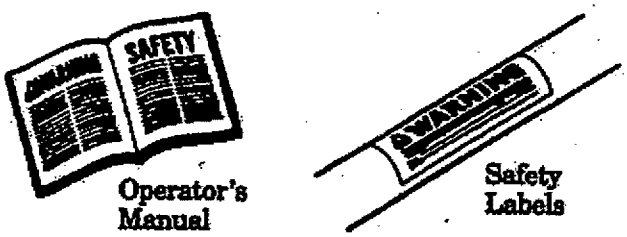
- **YOU CAN BE BLINDED OR INJURED.**
- **WEAR EYE AND LEG PROTECTION.**



⚠ 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.**



⚠ 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 damage 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 unit 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 carrying.
- 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 Authorized Service Dealer 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 TRIMMER

A. INTRODUCTION

Your Trimmer is a versatile product designed to help you give your lawn a finished appearance.

Special Features Include:

- **Centrifugal Clutch**
- **All-position Carburetor**
- **Adjustable, anti-vibe, cushioned Assist Handle**
- **Semi–Automatic Trimmer Head**
- **18" Cutting Path**

B. UNPACKING INSTRUCTIONS

1. Remove contents from the carton if you have not done so.
2. Check parts against the list below.
3. Examine parts for damage. Do not use damaged parts.
4. *Notify your Sears Store 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.

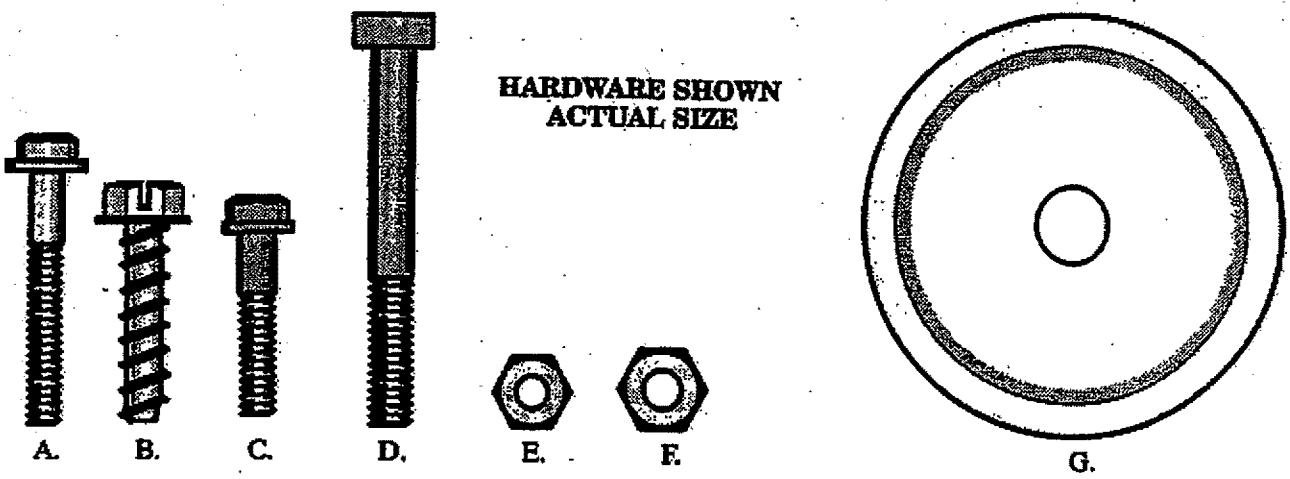
C. CARTON CONTENTS

KEY NO.	CARTON CONTENTS:	QTY.
•	Engine	1
•	Drive Shaft/Gear Box Assembly w/Safety Label and Dust Cup	1
•	Shield	1
•	Trimmer Head	1
•	2-cycle Engine Oil	1
•	Operator's Manual (Not Shown)	1
•	Loose Parts Bag (Not Shown)	1
	***LOOSE PARTS BAG CONTENTS:**	
•	Flex Shaft Lube	1
•	T-Handle - Assist Handle	1
•	Hex Wrench-Small	1
•	Hex Wrench-Large	1
A.	Hex Socket Head Screw, Clutch Shroud	2
B.	Slotted Hex Head Screw - Shield	4
C.	Hex Socket Head Screw, Throttle Trigger Housing	1
D.	Square Head Screw - Assist Handle	1
E.	Hex Lock-Nut-Clutch Shroud/Trigger Housing	3
F.	Hex Nut, Assist Handle	1
G.	Large Cup Washer	1

*Hardware is shown in actual size drawings in the assembly instructions. Compare the hardware in the loose parts bag with the hardware in the drawings to determine the correct part to use.

HARDWARE CHART

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



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 lands, in the above areas, must be equipped with a spark arrestor, 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 arrestor;** however, a spark arrestor is available as an optional part. If a spark arrestor is required in your area, order Part #952-701612 from your Sears Service Center/Department.

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 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. If you have any questions or need further assistance, 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 or large pliers
   - Flat Blade Screwdriver

B. ASSEMBLY STEPS

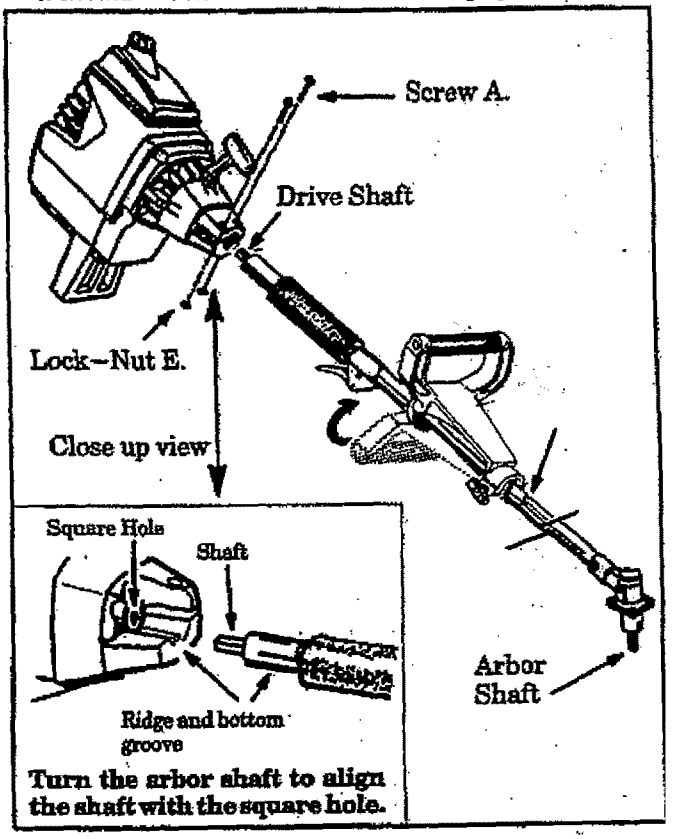
NOTE: Hardware referred to in the following sections is shown actual size in the Hardware Chart, page 5.

1. TUBE

a. Place the two screws "A." into the holes on the engine .
b. Position the lock–nuts "E." in the lower holes.
c. Tighten screws with the small hex wrench (provided) just enough to hold hardware together while holding lock-nuts with your other hand.
d. Remove the packing cover from the straight end of the tube (if so equipped). Your unit may not have a packing cover.

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

e. Align the bottom groove on the tube with the ridge on the lower wall of the engine opening.
f. Turn the shaft to align the square end of the shaft with the sqaure hole inside the front opening of the engine.
g. Firmly push the tube into the engine opening until the trigger guard contacts or is within 3mm (1/8") of the clutch housing.
h. Tighten screws "A." alternately with the hex wrench until secure.



Turn the arbor shaft to align the shaft with the square hole.

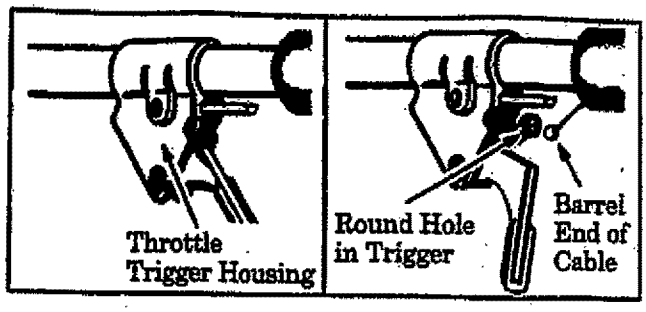
2. THROTTLE CABLE

CAUTION: Do not bend the throttle cable.

a. Slide the throttle trigger housing from the foam grip about 3 cm (1"). Figure 3 .

b. Insert throttle cable through the tunnel in the foam grip until the end of the cable extends at least 5 cm (2") beyond the grip.

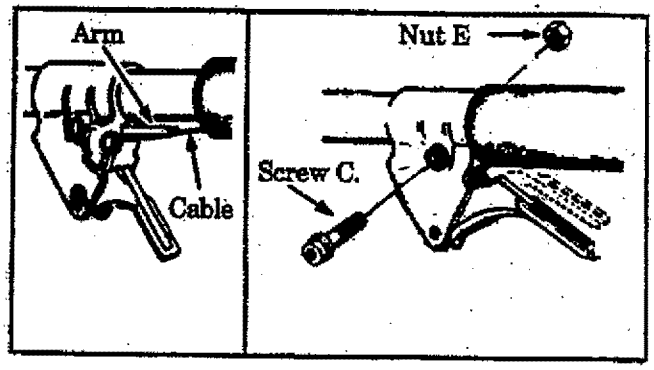
c. Hold the trigger away from the drive shaft housing and insert the barrel end of the throttle cable into the round opening in the trigger



d. Push the cable into the split in the arm. Guide the arm into the foam grip tunnel until the throttle trigger housing is flush against the grip.

e. Squeeze and hold the trigger against the foam grip.

f. Install screw "C." and Nut "E." Tighten moderately.



CAUTION: Do not overtighten screw. Make sure trigger will move freely. There must be at least 3 mm (1/8") free play in the trigger.

3. ASSIST HANDLE

a. Align the assist handle between the safety label the throttle trigger housing.

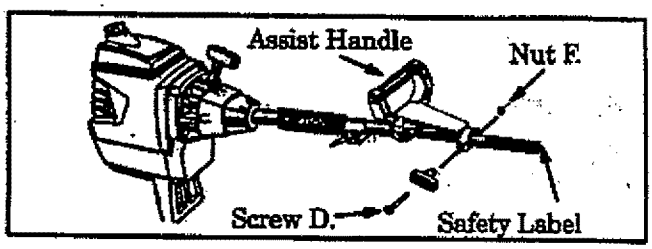
b. Drop the threaded end of screw "D." through the opening in the top of the T–handle.

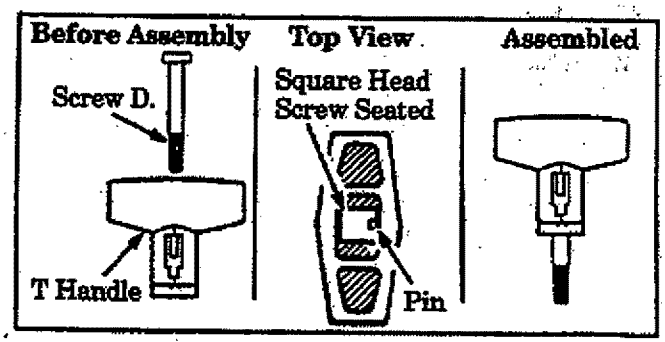
c. Pull on the threaded end of the screw to bring the square head of the screw "D." past the pin inside the T–handle.

d. Seat nut "F." in the hex–shaped recession on the back side of the assist handle.

e. Insert the threaded end of screw "D." through the hole in the assist handle; thread the screw into nut "F." and tighten firmly by hand only.

f. Adjust assist handle up or down the shaft housing for comfort.





B. FOR LINE TRIMMER USE

⚠ WARNING

The plastic shield must be properly installed for all line trimmer usage. The plastic 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 can result in serious injury to the operator. The length of the shield must be aligned with the length of the drive shaft housing. Direct the widest part of shield toward the engine.

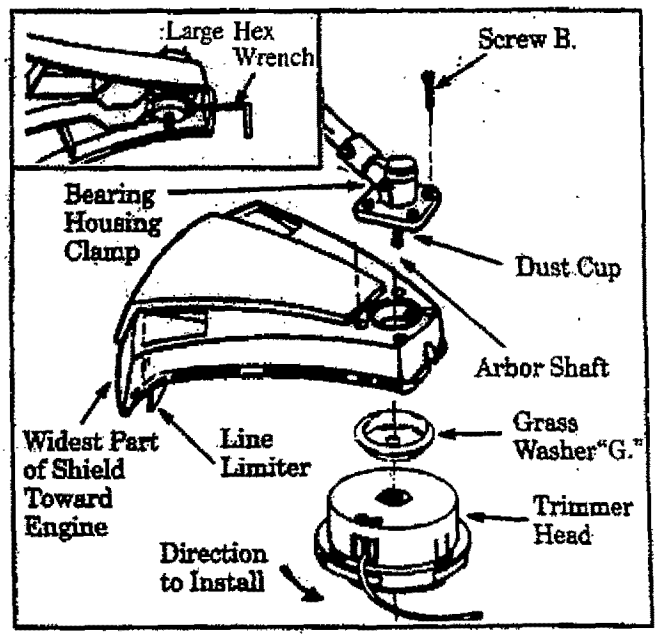
NOTE: Remove the metal shield and blade before installing the plastic shield and trimmer head.

1. Place the shield under the bearing housing and align screw holes.

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

2. Insert screws "B." through the bearing housing into the shield.
3. Tighten the screws evenly and securely.
4. Remove the packing cover from the arbor shaft if so equipped.
5. Install grass washer "G." over the arbor shaft. Make sure the grass washer is against and curved over the dust cup.
6. Start threading the trimmer head onto the arbor shaft .
7. Align the hole in the dust cup with the hole in the center front of the bearing housing by turning the dust cup. Then, insert the large hex wrench (provided) into the aligned holes to keep the arbor shaft from turning.
8. Tighten the trimmer head against the washer and dust cup while holding the large hex wrench.
9. *Remove the large hex wrench.*

NOTE: To remove the trimmer head, insert the large hex wrench into the aligned holes in the dust cup and bearing housing. Unthread the trimmer head. Be sure to store grass washer "G.", plastic shield, 4 shield screws, and hardware with the trimmer head for future use.



6. OPERATING POSITION

a. **Before starting the engine,** stand as shown in Figure 11 and check for the following:

1.) Left arm fully extended, hand holding assist handle.

2.) Right arm slightly bent, hand holding top handle, fingers on throttle trigger.

3.) Engine below waist level.

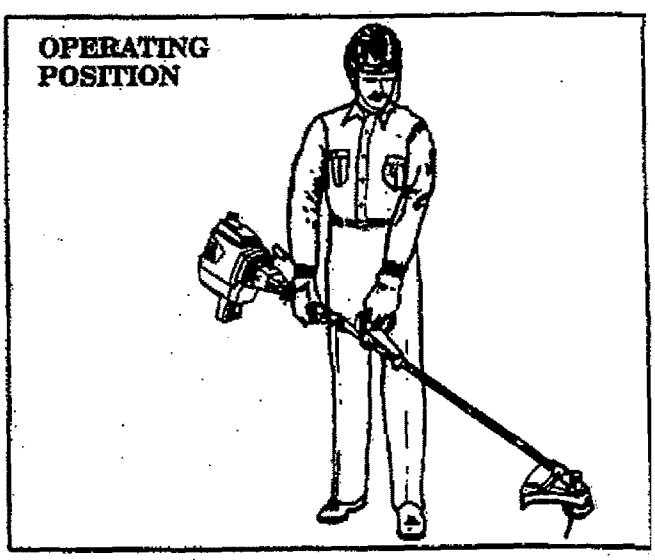
4.) Weight of tool evenly distributed between arms.

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 label)* to a comfortable position.

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

c. 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.



ACCESSORIES

The following accessories are available through Sears Retail Stores. Catalog Outlets. or Service Centers.

ITEM	STOCK NO.
Safety Face Shield	9-18613
Safety Goggles	9-1859
2-Cycle Engine Oil	71-30143
Spark Plug	71-85854
Replacement Trimmer Head (available only through Sears Service Centers)	952-701643
Replacement Nylon Trimmer Line	
— 400 ft.	71-85778
— 200 ft.	71-85608
— 100 ft.	71-85771
Replacement Spool with Line	71-85815
Shoulder Strap Kit	71-85783
Spark Arrestor Kit	952-701612*
Flex Shaft Lube	530-030102*

*Available through your SEARS Service Center/Catalogue.

NOTES

FUELING YOUR ENGINE

BEFORE FUELING ENGINE:

⚠ WARNING

Be sure to read the fuel safety information in the Warnings and Safety Instructions section on page 4 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 that 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 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

Gasoline	Oil (fl. oz.)
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 metres) away from fuelling site.

> **⚠ WARNING**
> ***The trimmer head will turn when the engine starts.***

- Rest engine and shield on ground, supporting lower end 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:

- Move the switch to 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 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 switch to the "Off" position.

> **⚠ 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:

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

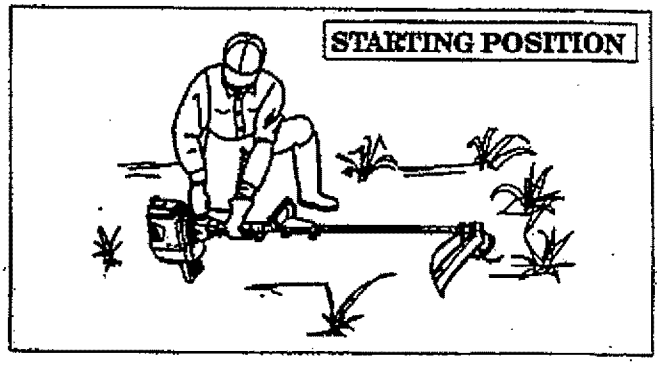
  NOTE: If engine has not started, pull starter rope 5 more pulls. If engine still does not run, it is probably flooded. Proceed to "Starting a Flooded Engine."
- To stop the engine, move switch to the "Off" position.

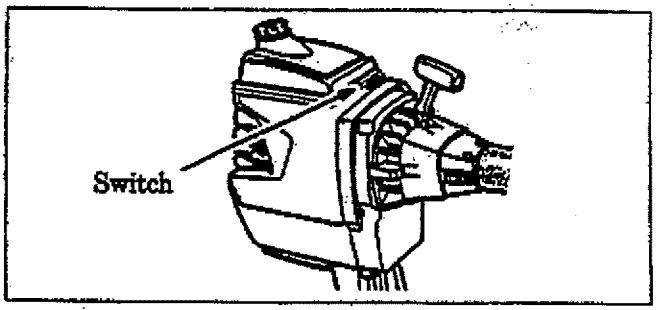
STARTING A FLOODED ENGINE:

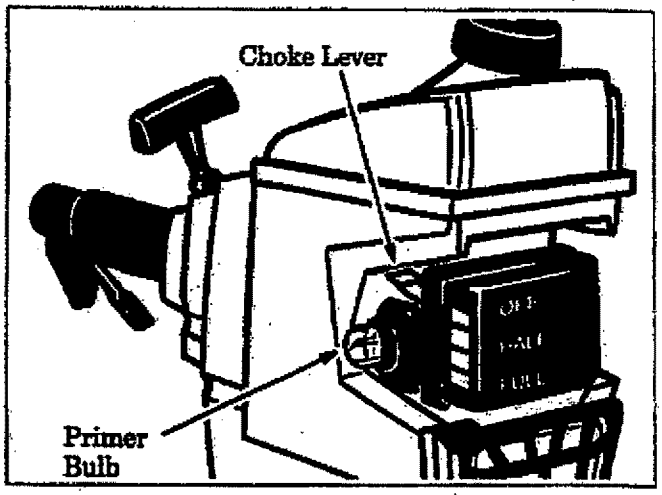
Flooded engines can be started by moving the switch to the "On" position and placing the choke lever in the "Off Choke" position; then, pull the rope to clear the engine of excess fuel. This could require pulling the starter rope *many times* depending on how badly the unit is flooded.

OPERATING INSTRUCTIONS

- **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.
- **Always release throttle trigger and allow engine to return to idle speed when not cutting.**
- **If the trimmer head does not turn when the engine is accelerated,** make sure the drive shaft housing is properly seated in the engine housing. Refer to "Assembly–Drive Shaft Housing."
- **To stop the engine:**
  - Release the throttle trigger.
  - Move the switch to the "Off" position.







4. For a Warm Engine (After Running Out of Fuel):

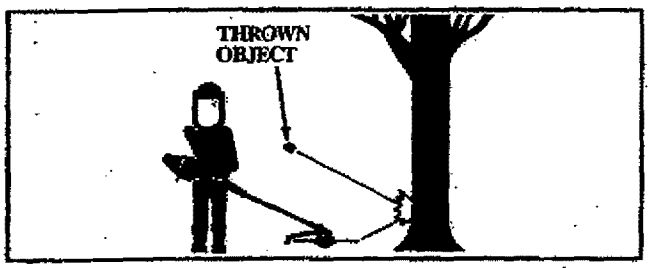
a. Refuel engine. Move 10 feet away from fueling site.
b. Move On/Off Switch to "on."
c. Move Choke to "full" position.
d. Grasp Foam Grip and squeeze Throttle Trigger fully. *Keep Throttle Trigger fully squeezed until engine runs.*
e. Pull Starter Rope sharply until engine attempts to run, but no more than 5 pulls.
f. Move Choke to "off" position.
g. Pull Starter Rope until engine runs, but no more than 5 pulls. *Keep Trigger fully squeezed until engine runs smoothly.*

NOTE: If engine has not started, 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" position.

D. OPERATING INSTRUCTIONS

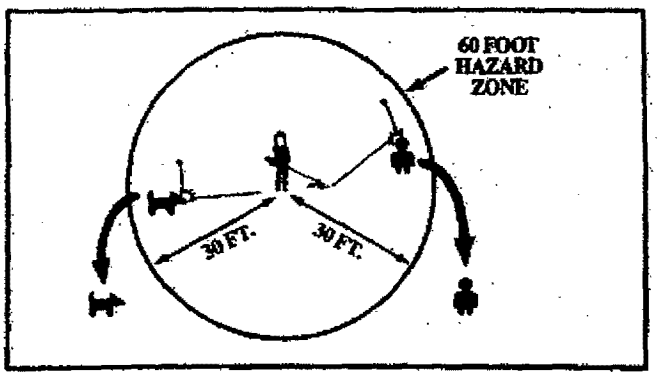
1. **Before entering the material to be cut, bring the engine to cutting speed by squeezing the throttle trigger.**
   a. **Do not run the engine at a higher speed than necessary.** The cutting line will cut efficiently when the engine is run at less than full throttle. At lower speeds there is less engine noise and vibration. The trimmer 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 accelerated,** make sure the Drive Shaft Housing is properly seated in the Clutch 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. **Make sure the Trimmer Head stops turning when the Throttle Trigger is released and the engine runs at idle speed.** For correction refer to "Carburetor Adjustments."
4. **To stop the engine:**
   a. Release the Throttle Trigger.
   b. Move On/Off Switch to the "Off" position. Figure 11.

USING YOUR UNIT



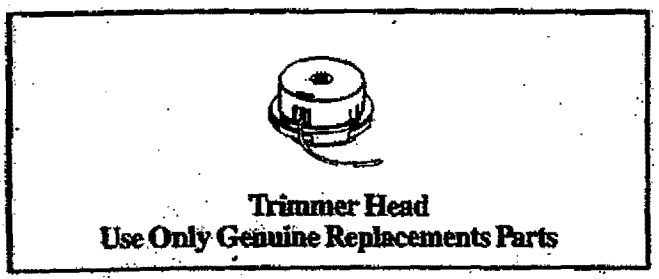
⚠WARNING — *THROWS OBJECTS*

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 away.**



⚠WARNING — *HAZARD ZONE*

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



Trimmer Head
Use Only Genuine Replacements Parts

⚠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. Throw damaged parts away. Replace damaged parts before using the tool.**

A. LINE TRIMMER SAFETY

1. OPERATOR SAFETY

a. **Always wear eye protection** when operating, servicing, or performing maintenance on your unit.

b. **Always wear heavy, long trousers, boots, and gloves.** Do not go barefoot or wear sandals, jewelry, short trousers, loose clothing, or clothing with loosely hanging ties, straps, or tassels; 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 head which could be more of a hazard than touching the plant itself.

c. **Do not operate this unit when you are tired, ill or under the influence of alcohol, drugs or medication.**

d. **Do not swing the 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 SAFETY

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, string, rope, etc.

c. **Make sure the trimmer head is properly installed and securely fastened.** Refer to "Assembly."

d. **Be sure trimmer head stops turning when engine idles.** See "Carburettor Adjustments."

e. **Make carburettor adjustments with the lower end supported to prevent the trimmer line from contacting any object.** Hold the unit by hand; do not use the optional shoulder strap for support.

f. **Keep others away when making carburettor adjustments.**

g. **Use only accessories or attachments as recommended by the manufacturer.**

3. CUTTING SAFETY

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 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 and muffler when the engine is running.**

h. **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.**
- **To Advance Line:**
  1. Operate the engine at full throttle.
  2. Hold the trimmer head parallel to and above the grassy area.
  3. Tap the bottom of the trimmer head lightly on the ground one time. 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.

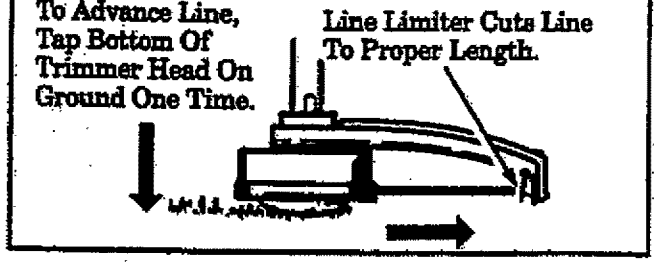
NOTE: If the line is worn down to two inches or less, more than one tap will be required to obtain the most efficient line length.

⚠ WARNING

Use only .080" diameter SEARS Laser 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.

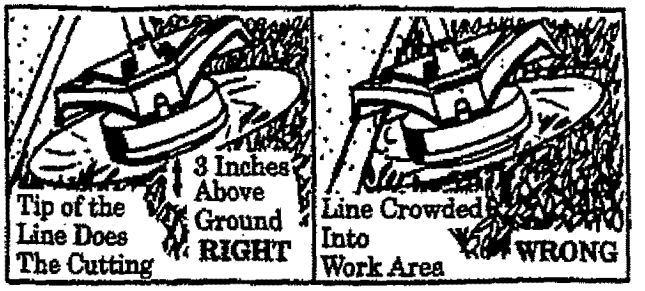
⚠ WARNING

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.



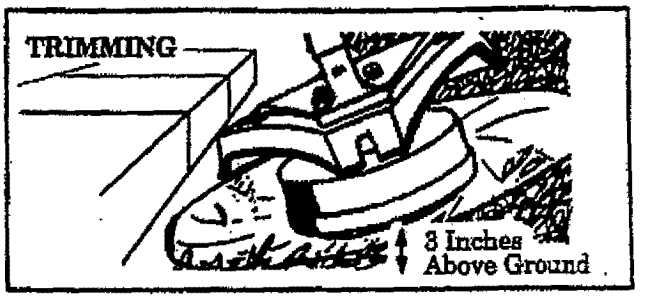
C. CUTTING METHODS

⚠ 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 line into cutting area. The right and wrong ways are shown in
- **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.

⚠ 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.



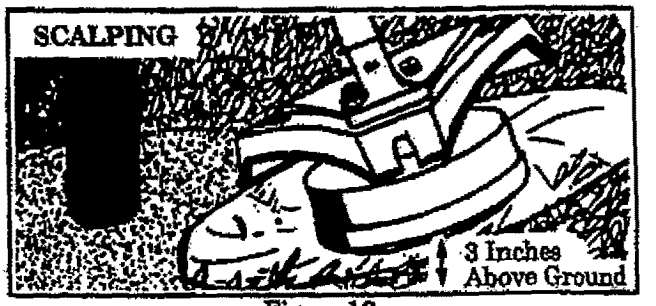


Figure 16

1. **TRIMMING** – 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.
2. **SCALPING** – The scalping technique removes unwanted vegetation. Hold the bottom of the trimmer head about 3 inches above the ground and at an angle. Allow tip of line to strike ground around trees, posts, monuments, etc. *This technique increases line wear.*
3. **MOWING**– 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 unit.
4. **SWEEPING** – 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 unit from side to side.

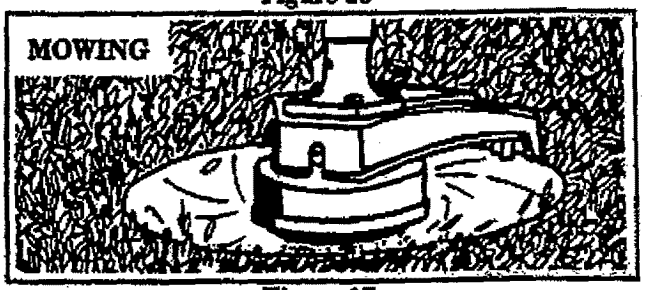
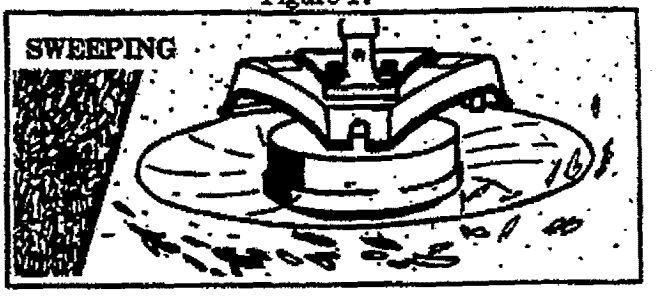


Figure 17



NOTES

D. LINE REPLACEMENT

- **For proper line feed:**
  - Use only genuine Sears pre-wound spools and .080" diameter Sears Laser Line 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
Press the lock tab and turn the lock ring as shown in

b. Remove the lock ring, tap button, and spool.

c. Clean dirt and debris from all parts.

d. Inspect all trimmer head parts for damage. Replace damaged parts.

⚠ 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 can become worn during use. After a groove is worn into the line saver, remove it from the trimmer head, turn it upside down, and reinstall it (with the 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. Place the spool in trimmer head. Press the spool down, then turn it enough to lock the lugs on the spool under the lugs on the drive gear.

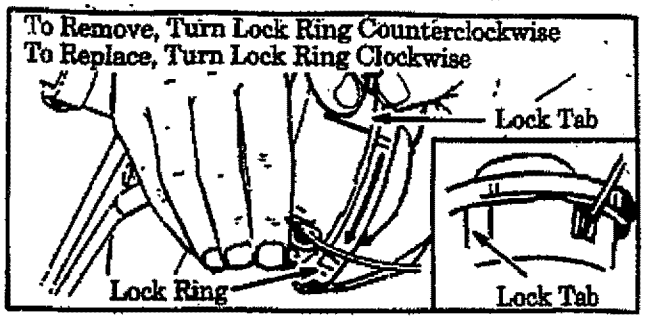
NOTE: Make sure the line is not caught between the rim of spool and the wall of trimmer head.

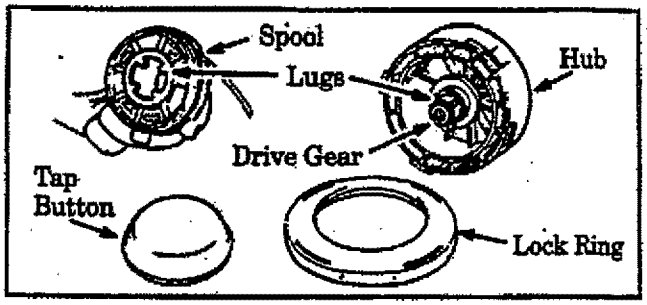
f. Replace the tap button. Align the lock ring over the catches on the hub; push the lock ring down on the hub and turn it clockwise until the catches lock into place.

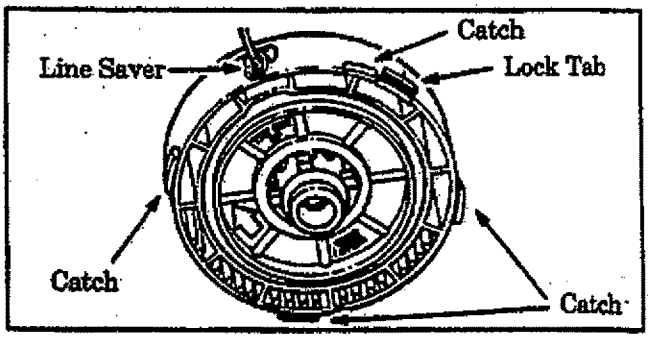
⚠ WARNING
All catches must be fastened and the lock tab latched in the Lock Ring. If installed incorrectly, the Lock Ring can fly off and become a dangerous missile.

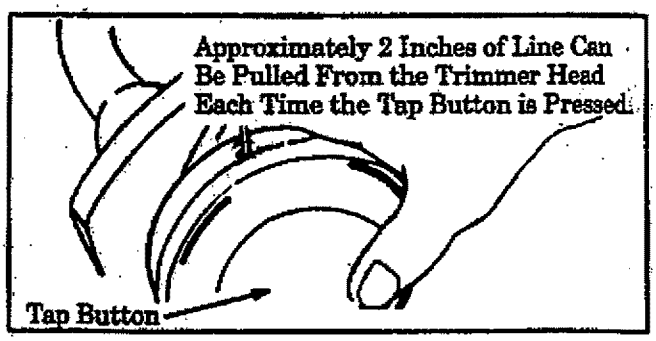
g. Check to make sure the lock ring is properly fastened by trying to turn it counterclockwise and pulling on it. If it comes off, reinstall it properly.

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 22) 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.

2. Spool Replacement

a. Replace the spool when the square corners on the lugs are rounded off, reduced in size, or broken off.

b. To replace the spool, follow the instructions in "Installing Spool with Line."

3. Installing Line on Spool

To replace the Line on existing Spool:

a. Follow "Installing Spool w/Line," steps "a.–d." and remove any line remaining on the spool.

b. Use a 40 foot length of .080 "diameter Sears Laser Line.

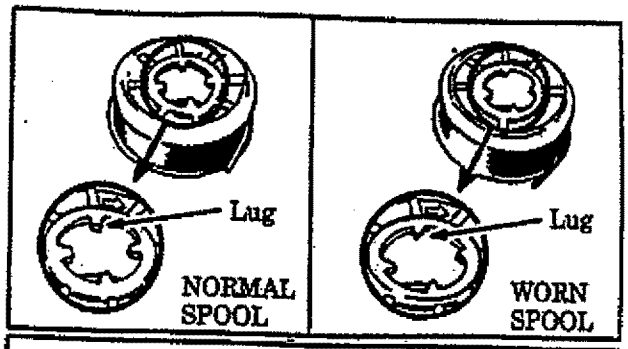
c. Insert 1/16" to 1/8" of the end of the line through the hole in the spool. Allow no more than 1/8" line to extend inside the spool.

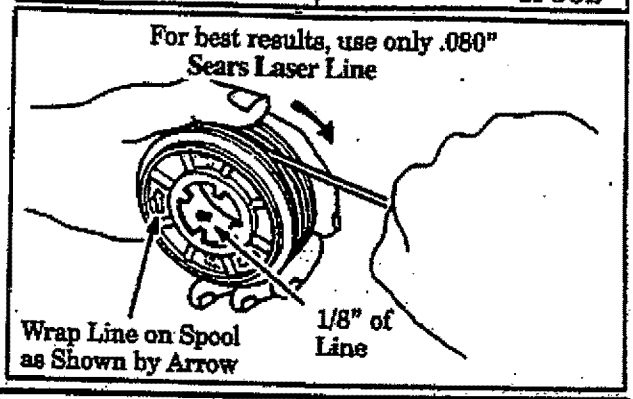
d. Wrap the line onto the spool firmly and evenly in the direction shown by the arrow on the spool.

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

e. 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."





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.
  - Incorrect spool.
  - Crowding line against material being cut.
  - Cutting at higher speeds than necessary.

CUSTOMER RESPONSIBILITIES

MAINTENANCE SAFETY

1. **Maintain unit according to recommended procedures.** Keep cutting line at proper length.
2. **Disconnect spark plug before performing maintenance** except carburetor adjustments.
3. **Make carburetor adjustments with 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 or damaged before using the unit.**
6. **Use only .080" diameter Sears Laser Line** . Never use wire, rope, string, etc.
7. **Use only genuine SEARS replacement parts.** Use of other brands of replacement parts can cause damage to your unit or injury to the operator or others. Your warranty does not cover damage or liability caused by the use of accessories and/or attachments not specifically recommended by SEARS.
8. **Inspect the entire unit.** Replace damaged parts. Check for fuel leaks and make sure all fasteners are in place and securely fastened.

AIR FILTER

NOTE: A dirty air filter decreases the life and performance of the engine and may increase fuel consumption and harmful emissions.

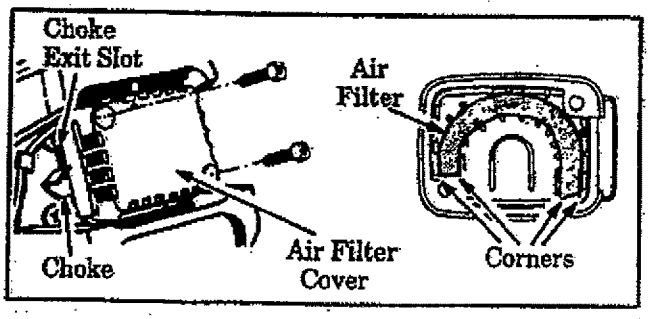
1. **Clean the Air Filter:**
   - **Always after 5 tanks of fuel or 5 hours of operation, whichever is less.**
   - **More frequently, in dusty conditions.**
     a. Loosen the two screws on the air filter cover enough to remove the cover from engine.
     b. Remove the air filter from the cover.
     c. Wash filter in soap and water.
     d. Squeeze filter dry and replace in cover.

CAUTION: **Do not clean the air filter in gasoline or any other flammable solvent; doing so may create a fire hazard or produce harmful evaporative emissions.**

2. Reinstall the air filter cover, making sure the choke exit slot is placed over the choke lever.

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.**

NOTE: **If replacing the air filter, see the Accessory List for proper part number.**



C. STARTER ROPE

⚠ DANGER

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

⚠ WARNING

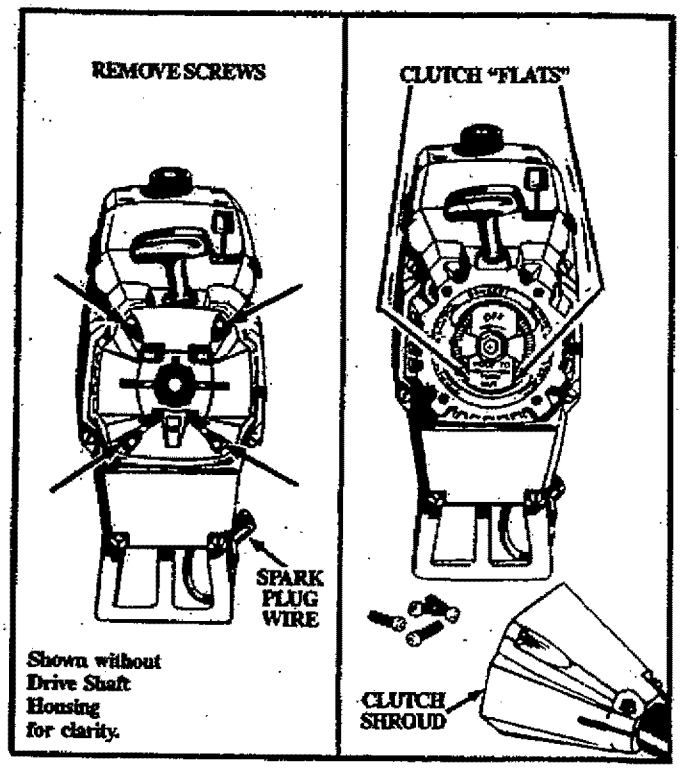
Do not remove the retaining tab and screw to remove pulley. The spring beneath the pulley is under tension and can fly out causing serious injury. If any part of the pulley housing assembly is damaged other than the rope, do not use the tool. Take it to your Sears Service Center.

1. Disconnect Spark Plug Wire.
2. Remove the Screw and Nut in the Throttle Trigger Housing as shown. Hold the Throttle Trigger away from Drive Shaft Housing and remove Throttle Cable from Trigger. Pull Cable out of Foam Grip tunnel.
3. Remove the four Clutch Shroud Screws with the small hex wrench provided.
4. Separate the Clutch Shroud from the Engine.

⚠ DANGER

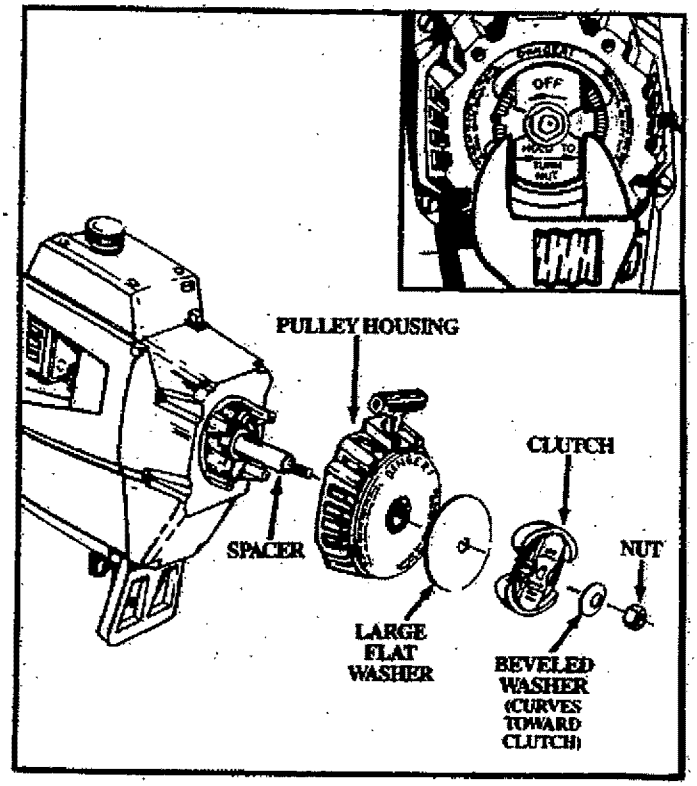
Use only a hand tool to remove the clutch. Do not use any type of motorized tool or strike the clutch in any way. Otherwise, the clutch will fly apart and cause serious injury.

5. Hold the "Flats" of the Clutch with an adjustable wrench and remove the Nut counterclockwise with a 9/16" socket wrench.



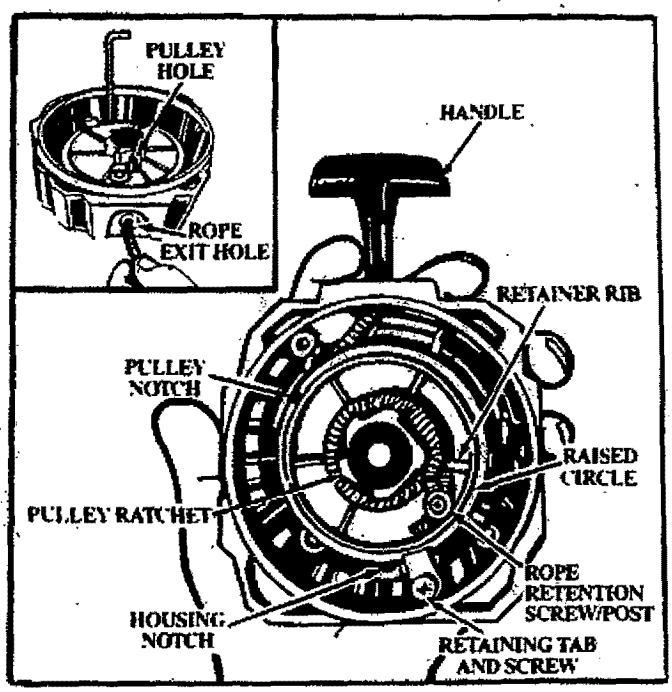
NOTE: Clutch will slide off the crankshaft intact. *Do not disassemble clutch.*

6. Remove the Beveled Washer, Clutch, and Large Flat Washer as shown in
7. Remove the Pulley Housing from the Engine.
8. Remove Rope Retention Screw. Remove any remaining rope.
9. Hold Pulley Housing and hand turn the Pulley clockwise as far as it will go. Then, turn the Pulley counterclockwise until the Pulley Notch is aligned with the Housing Notch next to the Retaining Tab and Screw. Next, turn the Pulley one complete turn counterclockwise until the notches are aligned again.
10. Insert the small hex wrench into the hole formed by the Notches to hold the Pulley in position.
11. Use a 42" length of replacement Rope.
12. Move away (10 feet) from the fuel tank with the replacement Rope. Use a match and melt both ends of the Rope to prevent fraying.



13. Pull the melted ends through a thick, clean rag while the Rope is still hot to obtain smooth, pointed ends.
14. Insert one end of the Rope through the Handle and secure with a knot.
15. 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. See Inset.
16. Wrap Rope counterclockwise around the Pulley Ratchet and tuck loose end under Rope where it comes out of the Pulley Hole. Leave a 1-inch tail laying flat on top of the Pulley between the Retainer Rib and the Rope Retention Screw/Post.
17. Reinstall the Rope Retention Screw into the retention post. Tighten until snug.
    NOTE: Do not overtighten the Screw. Overtightening the screw can cause the threads in the screw post to strip out.
18. Hold Rope taut at Rope Exit Hole so it will not move and remove hex wrench.
19. Slowly feed rope into the Pulley Housing.
20. Make sure Spacer is in place then reverse steps to re-assemble.

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



D. FLEXIBLE DRIVE SHAFT LUBRICATION

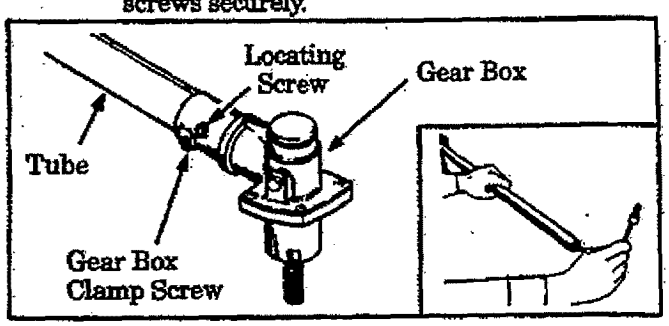
- **Lubricate the Flexible Drive Shaft:**
  - **After each ten (10) hours of operation.**
  - **Before operating if the tool has been stored for 90 days or longer.**
- **When ordering flex shaft lube, see the Accessory List for proper part number.**

⚠ WARNING
If engine has just been operated, avoid touching the muffler. A hot muffler can cause serious burns.

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

1. Remove the gear box clamp screw and the locating screw from the gear box.
2. Remove the gear box from the tube.
3. Remove the flexible drive shaft from the tube.
4. Check flexible drive shaft for broken wires, twists or kinks, and replace if damage is found.
5. Using a clean cloth, wipe surface of flexible drive shaft thoroughly to remove any grease.
6. Apply a uniform coat of lube to the entire surface of the flexible drive shaft.
7. Inject the remaining contents of the tube into the top of the tube.
8. Replace flexible drive shaft in the tube.
9. Reassemble the gear box to the tube. Tighten screws securely.



E. CARBURETOR ADJUSTMENTS

- This is a complicated task. It is important to follow instructions in sequence as indicated.

⚠WARNING
Make carburetor adjustments with the drive shaft housing supported to prevent the trimmer line from contacting any object. Hold the tool with your hand; do not use the 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 in "Trouble Shooting Suggestions" below.**
- **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 screws.

1. TROUBLE SHOOTING SUGGESTIONS

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

— Trimmer Head continues to spin when the engine idles. See "b. Idle Speed Adjustment" and "d. Deceleration Check."

— Engine dies or hesitates when it should accelerate. See "c. Acceleration Check."

— Loss of cutting power which cannot be corrected by cleaning the air filter. See "f. High Speed Mixture Adjustment."

— Engine does not return to idle from full throttle within 2 seconds. See "d. Deceleration Check."

— Engine will not run. See "Trouble Shooting Chart." Then, if the carburetor requires adjustment, begin with "2. 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 in case they are required.

a. Turn the Low Speed Mixture Screw and the High Speed Mixture Screw clockwise until they stop. *Do not turn the screws until they are tight as damage to the needle seats can occur.*

b. Turn the Low Speed Mixture and High Speed Mixture Screws one full turn counterclockwise.

c. Follow instructions "a. Preparation," through "f. High Speed Mixture Adjustment."

3. 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.*

4.) Stop engine and remove air filter by pulling it out with your fingers. Refer to "Specifications" for location.

b. IDLE SPEED ADJUSTMENT

1.) Allow engine to idle.

2.) Adjust Idle Speed Screw 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 "c. Acceleration Check" and "d. Deceleration Check."

4.) **No further adjustments are necessary if the trimmer head does not turn at idle speed and if 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 counter clockwise 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 "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.

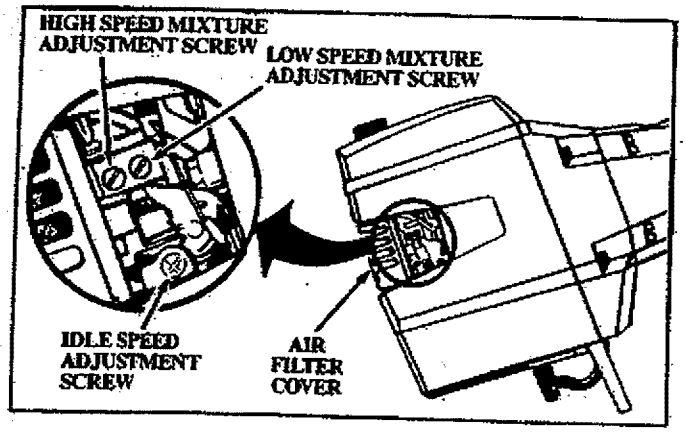
2.)Allow engine to run at full speed for about 1 second.

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 "b. 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 slowly clockwise until the speed starts to drop. Note this position.

3.)Turn the Low Speed Mixture Screw counter-clockwise until the speed increases and then starts to drop again. Note this position.

4.)Set the Low Speed Mixture Screw at the mid-point between the two positions.

5.)Follow instructions in "c. Acceleration Check" and "d. 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 drive shaft housing 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 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 the screw slowly the minimum amount clockwise until the engine runs smoothly.

6.)Follow instructions in "c. Acceleration Check" and "d. 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.

g. REINSTALL AIR FILTER

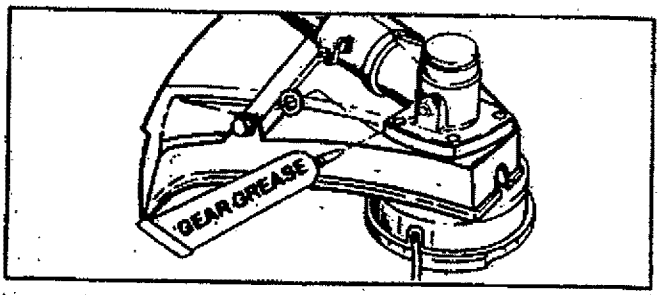
Be sure filter is clean. See "Air Filter" for instructions.

CAUTION: Fit air filter into the corners of the housing to keep dirt from entering the engine and causing engine damage.

F. GEAR BOX LUBRICATION

- **Lubricate the gear box after every 50 hours of operation.**
- **Use Lithium based gear grease available from most automotive stores.**

1. Remove the Screw and Washer on the Gear Box using a wrench.
2. Fill Gear Box with gear lube.
3. Replace Washer and Screw. Tighten Screw securely.



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

f 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 the 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

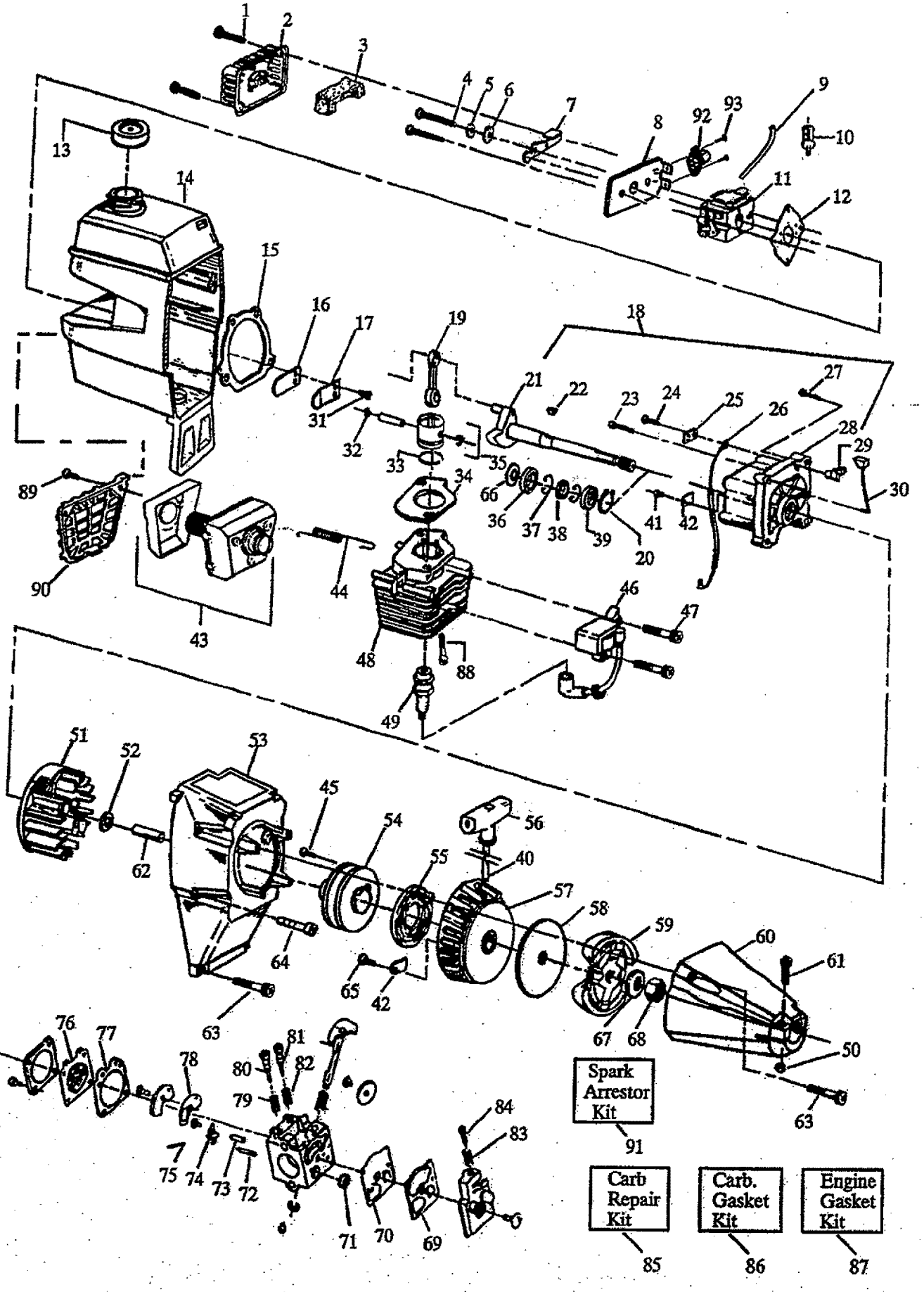
- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your fuel system will cause problems.
- Store your unit in a well ventilated area and covered, if possible, to prevent dust and dirt accumulation. Do not cover with plastic.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

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

G. TROUBLE SHOOTING CHART

SYMPTOM	CAUSE	REMEDY
Engine will not start or will run only for a few seconds after starting	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.	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.
Engine will not idle properly	1. Idle speed set too fast or too slow. 2. Low speed mixture requires adjustment. 3. Throttle trigger screw too tight. 4. None of the above.	1. See "Carburetor Adjustments." 2. See "Carburetor Adjustments." 3. Loosen screw to free trigger. 4. Contact your Sears Service Center.
Engine will not accelerate, lacks power, or dies under a load	1. Air filter dirty. 2. Spark plug fouled. 3. Carburetor requires adjustment. 4. Muffler outlets plugged. 5. None of the above.	1. Clean or replace air filter. 2. Clean or replace spark plug and regap. 3. See "Carburetor Adjustments." 4. Contact your Sears Service Center. 5. Contact your Sears Service Center.
Engine smokes excessively	1. Air filter dirty. 2. Fuel mixture incorrect. 3. High speed mixture requires adjustment.	1. Clean or replace air filter. 2. Refuel with correct fuel mixture. 3. See "Carburetor Adjustments."
Engine runs hot	1. Fuel mixture incorrect. 2. High speed mixture set too low (lean). 3. Spark plug incorrect. 4. None of the above.	1. See "Fueling Your Unit." 2. See "Carburetor Adjustments." 3. Replace with correct plug. 4. Contact your Sears Service Center.
Trimmer head turns at idle speed	1. Carburetor requires adjustment. 2. Throttle trigger screw too tight. 3. Clutch requires repair.	1. See "Carburetor Adjustments." 2. Loosen screw to free trigger. 3. Contact your Sears Service Center.
Trimmer head stops under a load or does not turn when engine is accelerated	1. Drive shaft broken or not engaged. 2. Carburetor requires adjustments. 3. Clutch requires repair.	1. Replace or see "Assembly." 2. See "Carburetor Adjustments." 3. Contact your Sears Service Center.
Line does not advance or breaks while cutting	1. Line improperly routed in head. 2. Line improperly wound onto spool. 3. Line size incorrect. 4. Too little line outside head.	1. Remove cover. Check line routing. 2. Rewind line tightly and evenly. 3. Use only .080" Sears Laser Line®. 4. Remove cover. Pull 6" of line to outside.
Line welds on spool	1. Line size incorrect. 2. Incorrect spool. 3. Crowding line against material being cut. 4. Cutting at higher speed than necessary.	1. Use only .080" Sears Laser Line®. 2. Use proper spool. 3. Cut with tip of line. 4. Reduce cutting speed.
Line releases continuously	1. Line wound beyond notches on spool. 2. Line improperly routed in head. 3. Line size incorrect. 4. Shield installed improperly.	1. Rewind line tightly and evenly. 2. Remove cover. Check line routing. 3. Use only .080" Sears Laser Line®. 4. Reinstall shield properly.
Line usage is excessive	1. Line improperly routed in head. 2. Line size incorrect. 3. Cutting at high speed around hard objects. 4. Crowding line against material being cut.	1. Remove cover. Check line routing. 2. Use only .080" Sears Laser Line®. 3. Reduce speed around hard objects. 4. Cut with tip of line.
Line pulls back into head	1. Too little line outside of head	1. Remove cover. Pull 6" of line to outside.

SEARS WEEDWACKER® REPAIR PARTS LIST – MODEL 358.799260–32cc



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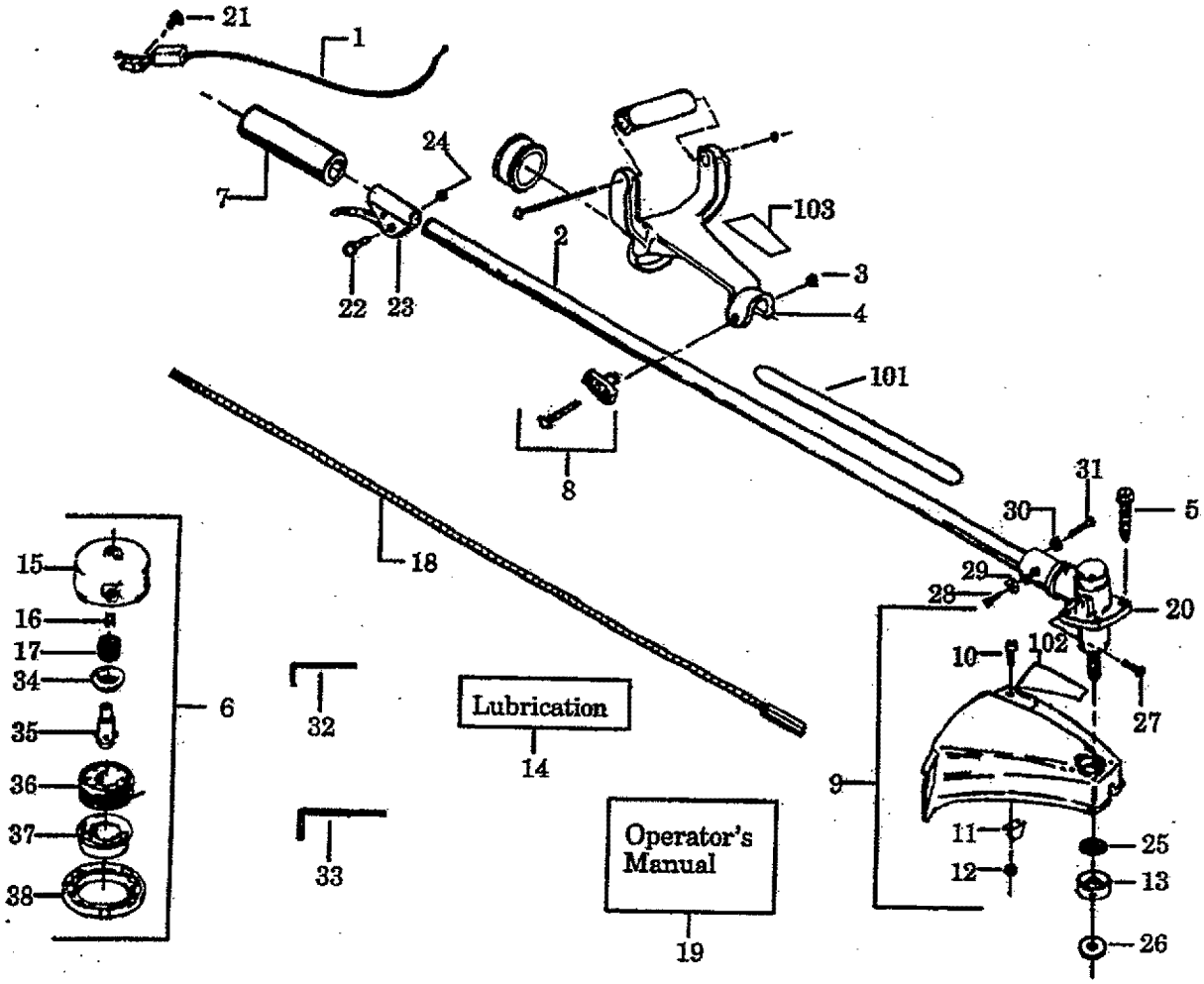

Key No.	Part No.	Description
1	530–027549	Throttle Cable Ass'y.
2	530–094694	Drive Shaft Housing
3	STD541025	Nut
4	530–010958	Handle
5	530–092243	Screw
6	71–85807	Cutting Head Ass'y.
7	530–027595	Drive Shaft Grip
8	530–069252	"T" Handle" Ass'y.
9	530–069256	Shield Kit Ass'y. (Incl. #10,11 & 12)
10	STD511005	Screw
11	530–094570	Line Limiter
12	530–015653	Locknut
13	530–094639	Dust Cup
14	530–030139	Shaft Lubrication
15	530–093896	Hub Ass'y
16	530–093898	Line Saver
17	530–340007	Spring
18	530–094585	Drive Shaft
19	530–082427	Operator's Manual
20	530–094568	Gear Box Ass'y.
21	530–015775	Screw
22	530–015774	Screw
23	530–010959	Throttle Lever Ass'y. (Incl. #22 & 24)
24	530–015768	Nut
25	530–094640	Seal
26	530–094571	Grass Washer
27	530–094616	Screw
28	530–094612	Screw
29	530–015328	Lockwasher
30	530–001642	Lockwasher
31	530–001711	Screw
32	530–031111	Hex Wrench (5/32)
33	530–031098	Hex Wrench (3/16)
34	530–328929	Spring Cap
35	530–095121	Drive Gear
36	71–85787	Spool w/Line
37	530–401183	Release Button
38	530–344102	Cover
101	530–029159	Decal–Shaft Warning
102	530–029763	Decal–Shield
103	530–029764	Decal–Anti–Vibe Handle

SEARS WEEDWACKER® REPAIR PARTS LIST – MODEL 358.799260–32cc

Key No.	Part No.	Description
1	530–015773	Screw
2	530–027529	Air Filter Cover
3	530–027530	Air Filter
4	530–015849	Screw
5	530–015852	Spacer
6	530–015254	Wave Washer
7	530–027526	Choke Shutter
8	530–037930	Air Filter Plate
9	530–069247	Fuel Line Kit
10	530–014362	Fuel Pick–up Ass'y.
11	530–035349	Carburetor
12	† 530–019156	Carburetor Gasket
13	530–014347	Fuel Cap Ass'y.
14	530–047096	Shroud & Tank Ass'y. (Incl. #9,10 & 13)
15	† 530–019154	Crankcase/Shroud Gasket
16	530–027593	Reed
17	530–027594	Reed Stop
18	530–014015	Crankcase/Crankshaft Ass'y. (Incl. #20,21,28 & 66)
19	530–010960	Connecting Rod Ass'y. (Incl. Bearings)
20	530–015789	Crankshaft Retaining Ring
21	530–010934	Crankshaft Ass'y.
22	530–015126	Flywheel Key
23	530–015772	Screw
24	530–015780	Screw
25	530–027546	Switch Insulator
26	530–027547	Lead Wire
27	530–015771	Screw
28	530–014016	Crankcase Ass'y. (Incl. #36–39)
29	530–027545	Switch Ramp
30	530–027543	Switch Spring Ass'y.
31	STD610603	Screw
32	530–015162	Piston Pin Retainer
33	530–025875	Piston Ring
34	† 530–019178	Cylinder Gasket
35	530–069275	Piston Kit (Incl. #32,33, & pin)
36	530–032103	Inner Bearing
37	530–015787	Retaining Ring
38	530–019158	Crankshaft Seal
39	530–032102	Bearing Outer
40	530–069232	Rope Kit
41	530–015777	Screw
42	530–027523	Retainer
43	530–069257	Muffler Kit
44	530–036409	Muffler Attachment Spring
45	530–016080	Screw
46	530–039134	Ignition Module Kit
47	530–015128	Screw
48	530–012235	Cylinder
49	71–85854	Spark Plug
50	530–015768	Locknut
51	530–039136	Flywheel Ass'y.
52	530–347987	Washer
53	530–027517	Fan Housing
54	530–069291	Starter Pulley Kit (Incl. #45)
55	530–029395	Starter Spring
56	530–027569	Starter Handle
57	530–010961	Pulley Housing Ass'y.
58	530–094189	Clutch Washer
59	530–069254	Clutch Ass'y. Kit
60	530–010964	Clutch Housing
61	530–015767	Screw
62	530–027511	Spacer
63	530–015770	Screw
64	530–015769	Screw
65	530–015496	Screw
66	530–015788	Spacer
67	530–015796	Washer
68	STD541137	Nut
69	530–035164	*+ Pump Gasket
70	530–035166	*+ Pump Diaphragm
71	530–035178	+ Inlet Screen
72	530–035106	+ Inlet Needle Valve
73	530–035188	+ Metering Lever Spring
74	530–035031	+ Metering Lever
75	530–035028	+ Metering Pin
76	530–035014	*+ Metering Diaphragm
77	530–035151	*+ Metering Diaphragm Gasket
78	530–035147	*+ Circuit Plate Gasket
79	530–035036	Hi Speed Needle Spring
80	530–035142	Hi Speed Needle
81	530–035141	Idle Needle
82	530–035023	Idle Needle Spring
83	530–035208	Idle Speed Spring
84	530–035203	Idle Speed Screw
85	530–035260	Carb. Kwik Repair Kit (+Indicates Contents)
86	530–035185	Carb. Gasket/Diaphragm Kit (*Indicates Contents)
87	530–069276	Engine Gasket Kit (†Indicates Contents)
88	530–015239	Screw
89	530–015717	Screw
90	530–027781	Muffler Guard
91	952–701612	Spark Arrestor Kit
92	530–037972	Bulb Ass'y.
93	530–016085	Screw
Not Shown		
	530–029734	Instruction Decal
	530–061348	Carton

INDEX

NOTES

SEARS

Operator's Manual

MODEL NO.
358.799260/32cc
(18" Cutting Path)

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
2. The MODEL NUMBER
   358.799260
3. The PART DESCRIPTION
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 U.S.A.

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