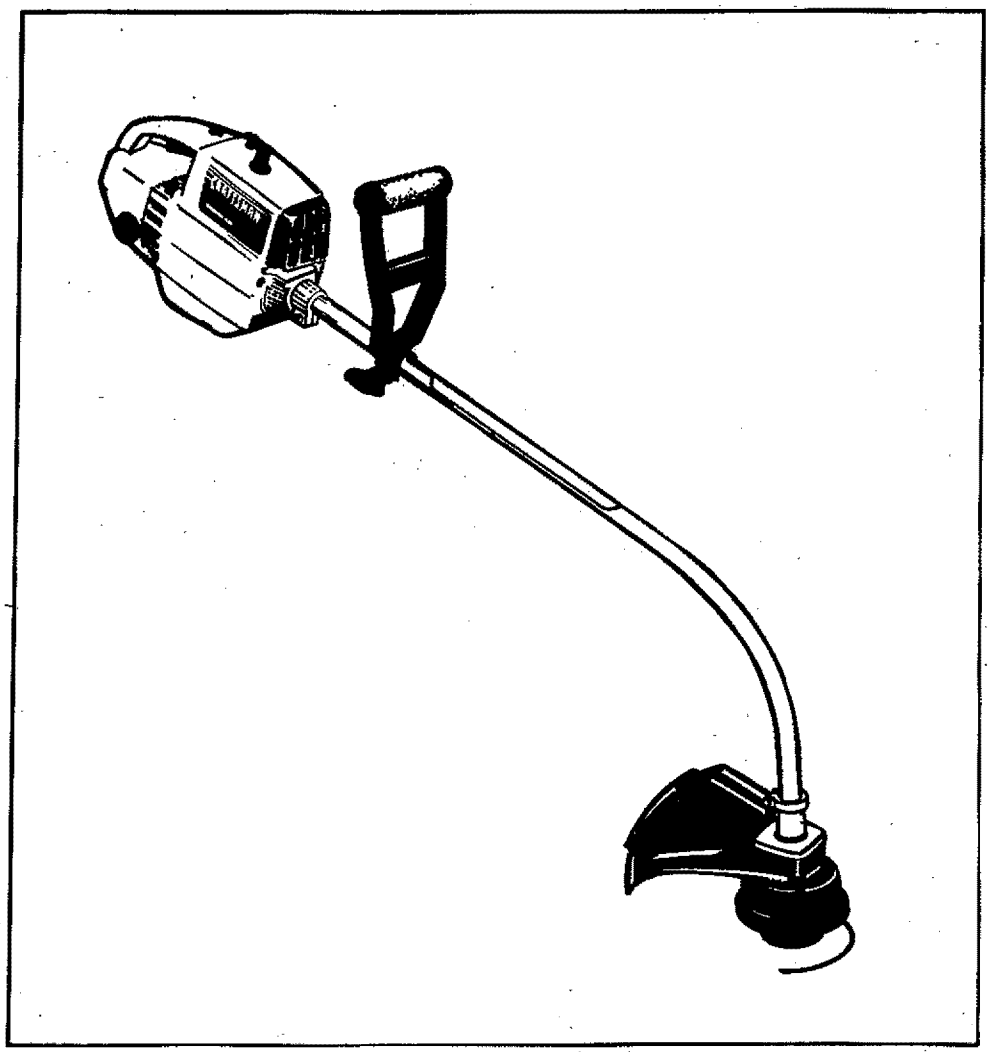
SEARS

operator's manual

MODEL NO.
358.798141-28.0cc

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



Always Wear Eye Protection During Operation

SEARS CRAFTSMAN®

GAS WEEDWACKER®

2 Cycle Engine **Fuel Mix 16:1**

- Assembly
- Operation
- Maintenance
- Repair Parts

Sold by Sears, Roebuck and Co., Chicago, Ill. 60684 U.S.A.

66909-2-16987-1-17387

TWO YEAR LIMITED WARRANTY ON CRAFTSMAN WEEDWACKER®

For Two Years 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 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 applies for only 30 days from the date of purchase.

WARRANTY SERVICE IS AVAILABLE BY CONTACTING THE NEAREST SEARS SERVICE CENTER/DEPARTMENT 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. 698/731A SEARS TOWER CHICAGO, IL 60684

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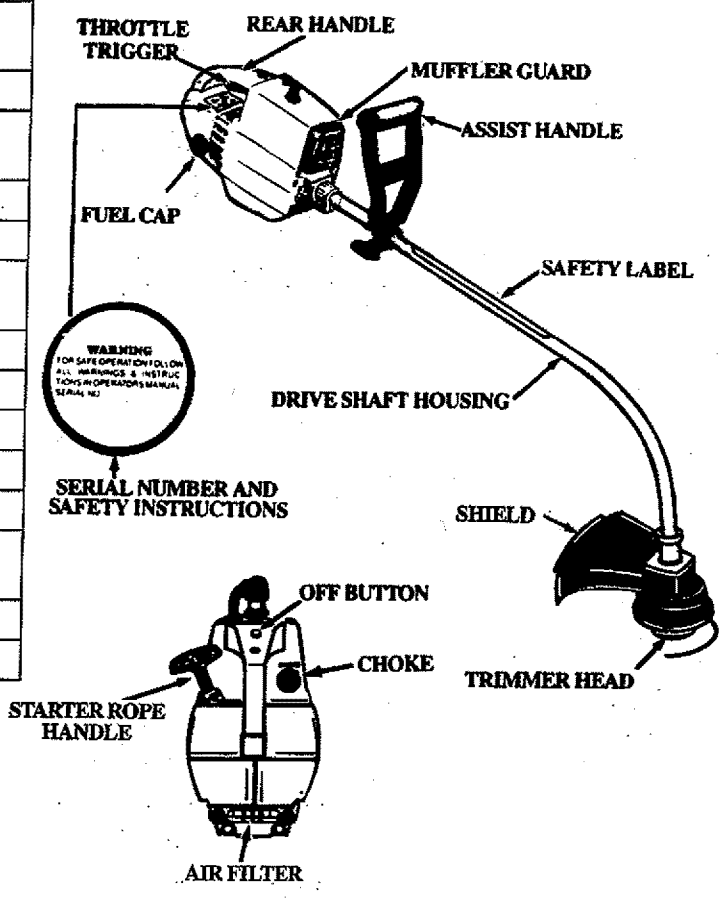
SPECIFICATIONS

ENGINE TYPE:	2-Cycle, Air-Cooled
DISPLACEMENT:	28.0cc
ENGINE RPM:	Operating — 6500 - 7500 Idle — 2800 - 3200
IGNITION:	Solid State
CARBURETOR:	Diaphragm All Positions with adjustable fuel mixture jets
ENGINE "OFF":	Push Button
STARTER:	Auto Rewind
MUFFLER:	Lo Tone - California approved spark arresting
CLUTCH:	Centrifugal
FUEL TANK:	16.9 fl. oz.
SPARK PLUG:	STD361258
SPARK PLUG GAP:	.025"
MODULE AIR GAP:	.010" / .014"
LUBRICATION:	Gasoline/Oil Mixture - 16:1 (See "Fueling Your Engine")
CUTTING LINE:	.080" Diameter, monofilament
SHAFT LENGTH:	41"

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; 4,269,372; 4,269,675; DES.249,630; DES.255,764; DES.260,394. U.S. AND FOREIGN PATENTS PENDING.



⚠WARNINGS AND SAFETY INSTRUCTIONS

⚠WARNING — *THIS POWER TOOL CAN BE DANGEROUS!*

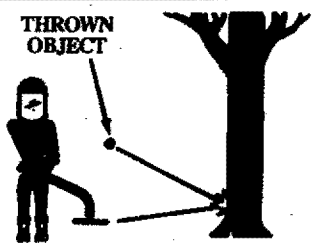
This tool can cause serious injury or blindness to the operator and others. The warnings and safety instructions in this manual must be followed to provide reasonable safety and efficiency in using this tool. The operator is responsible for following the warnings and instructions in this manual and on the tool. **Read the entire Operator's Manual before assembling and using this tool! Restrict the use of this power tool to persons who read, understand, and follow the warnings and instructions in this manual and on the tool.**

⚠ *DANGER*

NEVER USE BLADES WITH THIS TOOL.

— THE BLADE CAN COME OFF AND SERIOUSLY INJURE YOU AND OTHERS.

— THIS TOOL IS DESIGNED FOR LINE TRIMMER USE ONLY.

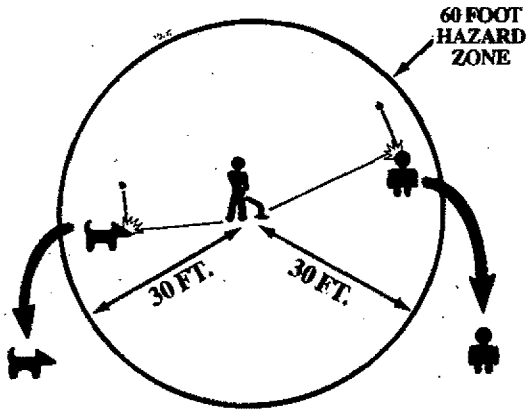


⚠ WARNING

THE TRIMMER LINE CAN THROW OBJECTS VIOLENTLY.

— YOU CAN BE BLINDED OR INJURED.

— WEAR EYE AND LEG PROTECTION.



⚠ WARNING

HAZARD ZONE FOR THROWN OBJECTS.

— THE TRIMMER LINE CAN THROW OBJECTS VIOLENTLY.

— OTHERS CAN BE BLINDED OR INJURED.

— KEEP PEOPLE AND ANIMALS 30 FEET AWAY.

OPERATOR'S MANUAL

SAFETY LABEL

⚠ WARNING

READ OPERATOR'S MANUAL.

— FOLLOW ALL WARNINGS AND INSTRUCTIONS.

— FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY.

TURN PAGE

⚠WARNINGS AND SAFETY INSTRUCTIONS ---- (Continued)

⚠ OPERATOR SAFETY

1. Always wear a safety face shield or goggles. See "Accessories."
2. Always wear heavy, long pants, boots and gloves. Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. Secure hair so it is above shoulder length.
3. Do not operate this tool when you are tired, ill or under the influence of alcohol, drugs or medication.
4. Always use the assist handle. See "Assembly."
5. Wear hearing protection if you use this tool for more than 1½ hours per day.
6. Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
7. Keep handles free of oil and fuel.

⚠ TOOL SAFETY

1. 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.
2. Replace trimmer head parts that are cracked, chipped or damaged in any way before using the tool.
3. Use only Sears flexible, non-metallic, monofilament, cutting line of the correct diameter. Never use wire, rope, string, etc.
4. Be sure the shield is properly attached.
5. Use only the specified trimmer head. See "Specifications." Make sure the trimmer head is properly installed and fastened. See "Assembly."
6. Be sure the trimmer head stops turning when engine idles. See "Carburetor Adjustments."
7. Make carburetor adjustments with the drive shaft housing supported to prevent the trimmer line from contacting any object. Hold the tool by hand. Do not use the optional shoulder strap for support.
8. Keep others away when making carburetor adjustments.
9. Use only accessories or attachments recommended for this tool by Sears.

⚠ 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 tool or while using the tool.
4. Wipe up all fuel spills before starting engine.
5. Move at least 10 feet away from fueling site before starting engine.
6. Stop engine before removing fuel cap.
7. Empty the fuel tank before storing the tool. It is recommended that the fuel be emptied after each use. If fuel is left in the tank, store so fuel will not leak.
8. Store tool 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 Hazard Zone. Stop the engine immediately if you are approached.
3. Always keep the engine on the right side of your body.
4. Hold the tool 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 the trimmer head and muffler when the engine is running.
9. Use only for jobs explained in this manual.

⚠ MAINTENANCE SAFETY

1. Maintain the tool according to recommended procedures. Keep the trimmer 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 tool by hand. Do not use the optional shoulder strap for support.
4. Keep others away when making carburetor adjustments.
5. Use only genuine, replacement parts as recommended by Sears.

⚠ TRANSPORTING AND STORAGE

1. Hand carry the tool with the engine stopped, and the muffler away from your body.
2. Allow the engine to cool, empty the fuel tank, and secure the tool before storing or transporting in a vehicle.
3. Empty the fuel tank before storing the tool. It is recommended that the fuel be emptied after each use. If fuel is left in the tank, store so fuel will not leak.
4. Store the tool so the line limiter cannot accidentally cause injury. The tool can be hung by the drive shaft housing.
5. Store tool out of reach of children.

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

KNOW YOUR TRIMMER

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:

- **Antivibe assist handle**
- **Semi-automatic line feed head**
- **18" cutting path**
- **Easily Coverts to a *Power Blower, Edger* or *Mini-Cultivator* with the special series of optional interchangeable attachments. See the "Attachment" section for more details.**

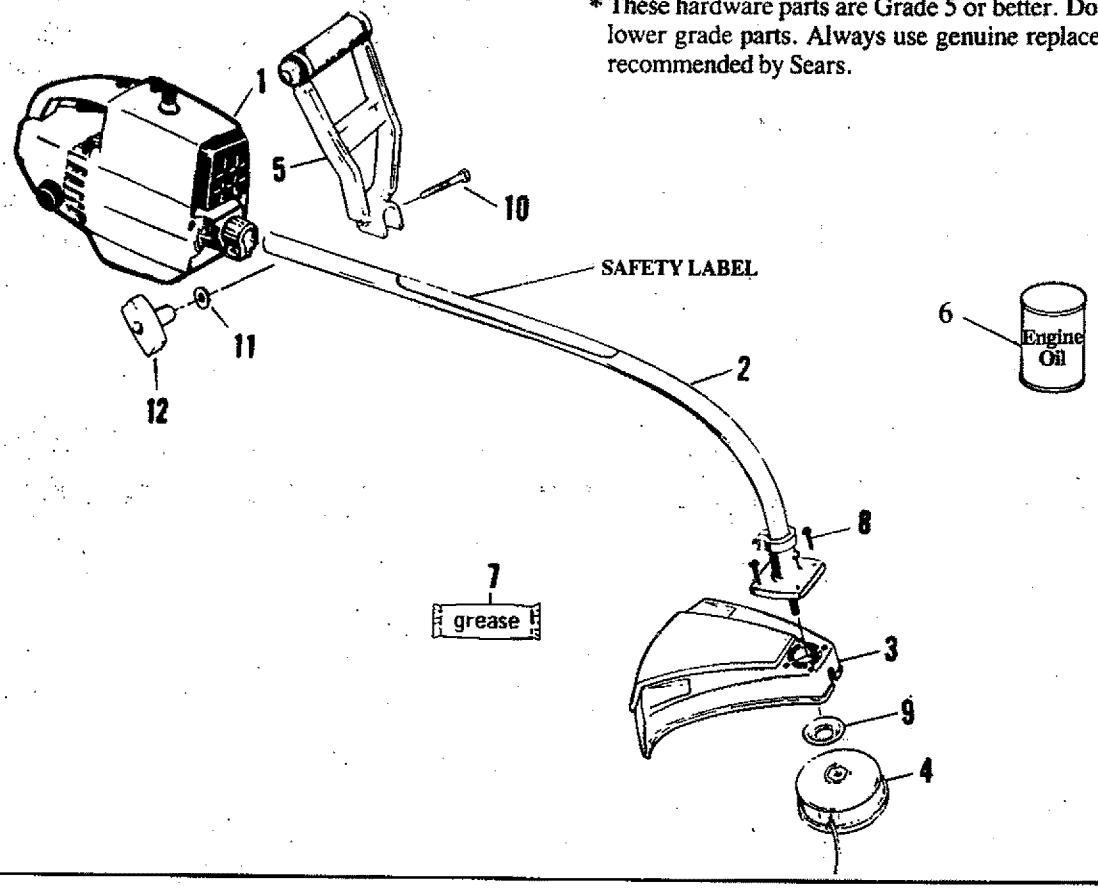
B. UNPACKING INSTRUCTIONS

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

KEY NO.	CARTON CONTENTS:	QTY.
1	Engine	1
2	Drive Shaft/Bearing Assembly w/Safety Label	1
3	Shield	1
4	Trimmer Head	1
5	Assist Handle	1
6	8-oz. Can - 2 Cycle, Engine Oil	1
—	Operator's Manual (not shown)	1
—	Loose Bag Parts (not shown)	1
	*** LOOSE PARTS BAG CONTENTS:**	
7	Flex Shaft Lube	1
8	Bearing Housing Screw	4
9	Large Cup Washer, Trimmer Head	1
10	Hex Bolt, Assist Handle	1
11	Flat Washer, Assist Handle	1
12	Knob, Assist Handle	1

* These hardware parts are Grade 5 or better. Do not substitute lower grade parts. Always use genuine replacement parts as recommended by Sears.



STATE AND LOCAL ORDINANCE REQUIREMENTS

Your engine is equipped with a temperature limiting muffler and spark arresting screen which meets the requirements of California Codes 4442 and 4443 and the requirements of all U.S. Forest Land and the states of Maine, Oregon, and Washington.
Check with your state and local authorities for regulations pertaining to Temperature Limiting Muffler and Spark Arresting requirements. If you operate this tool in a state or locale where such regulations exist, you are legally responsible for maintaining the operating condition of these parts. Failure to do so is a violation of the law.

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 has been developed 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:

a. Small Phillips Screwdriver
b. Flathead Screwdriver
c. Needle-nose Pliers
d. Tape Measure & Grease Pencil
e. Wrenches: 3/8 inch, 7/16 inch or Adjustable wrench

B. ASSEMBLY STEPS

1. SHIELD – Figure 1

⚠ WARNING
Failure to install the shield in the position shown in Figure 1 can result in serious injury to the operator. The shield must be centered under the bearing housing clamp with the widest part of the shield directed toward the engine.

CAUTION: The line limiter is sharp and can cut you.

a. Align the Shield on the Bearing Housing with the Shield centered under the Bearing Housing Clamp with the widest part of the shield directed toward the engine. Figure 1. Align screw openings.
b. Insert the four Bearing Housing Screws through the Bearing Housing and the Shield.
c. Tighten each Screw evenly and securely with a wrench or flathead screwdriver.

2. TRIMMER HEAD – Figure 2 & 3

a. Remove the packing cover from the Arbor Shaft.
b. Place the Large Cup Washer on the Arbor Shaft. Fit the center opening of the Washer around the shoulder of the Dust Cup. Make sure the Washer is against and curved over the Dust Cup. Figure 2.
c. Thread the Trimmer Head clockwise ➡ onto the Arbor Shaft.
d. Line up the hole in the Dust Cup with the hole in the Bearing Housing by turning the Dust Cup. Figure 3.
e. Insert the Phillips screwdriver into the aligned holes to keep the Arbor Shaft from turning. Figure 3.
f. Tighten the Trimmer Head against the Dust Cup while holding the Phillips screwdriver.
g. *Remove the Phillips screwdriver.*
h. Press the Tap Button and pull 4 inches of line from the Trimmer Head. Figure 3. About 2 inches of line can be advanced each time the Tap Button is pressed.

NOTE: **To remove the Trimmer Head,** insert Phillips screwdriver into the aligned holes in the Dust Cup and the Bearing Housing. Unthread the Trimmer Head counterclockwise ⬅.

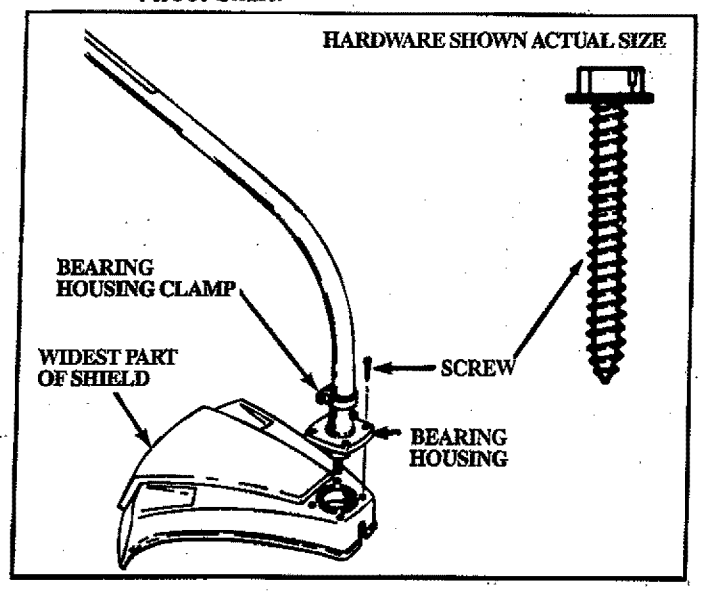


Figure 1

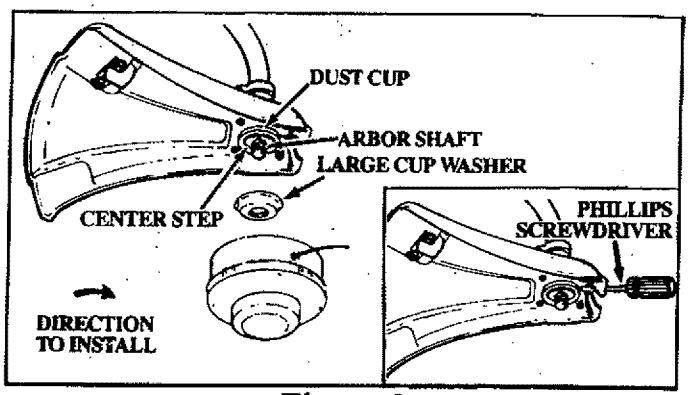


Figure 2

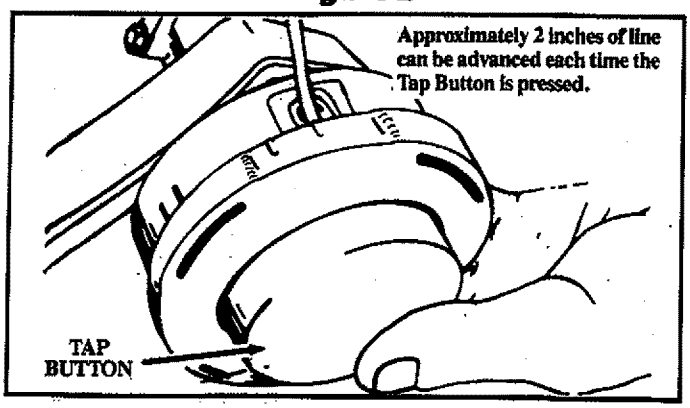


Figure 3

3. DRIVE SHAFT HOUSING — Figure 4

a. Remove the packing cover from the end of the Drive Shaft Housing.
NOTE: Make sure the Flexible Drive Shaft does not fall out of the Drive Shaft Housing when the packing cover is removed. Dirt on the shaft will significantly reduce its life. If the Flexible Drive Shaft falls out of the housing, reinstall.

b. Mark a line 1-1/2 inches from the straight end of the Drive Shaft Housing. Figure 4.

c. Loosen (but do not remove) the Pinch Clamp Bolt on the Engine Shroud. Figure 4.

d. Pull about 6 inches of the Flexible Drive Shaft from the straight end of the Drive Shaft Housing with needle-nose pliers.

e. Insert the end of the Flexible Drive Shaft into the square opening inside the Engine Shroud.

f. Firmly push the Drive Shaft Housing into the Engine Shroud until it bottoms out, approximately at the 1-1/2" mark. Figure 4.

g. Position the Drive Shaft Housing as shown in Figure 5.

h. Tighten the Pinch Clamp Bolt securely with a wrench.
NOTE: If the Pinch Clamp Bolt is removed, the Bolt must be installed into the *unthreaded* side of the Pinch Clamp first, then, into the threaded side in order to securely attach the Drive Shaft Housing.

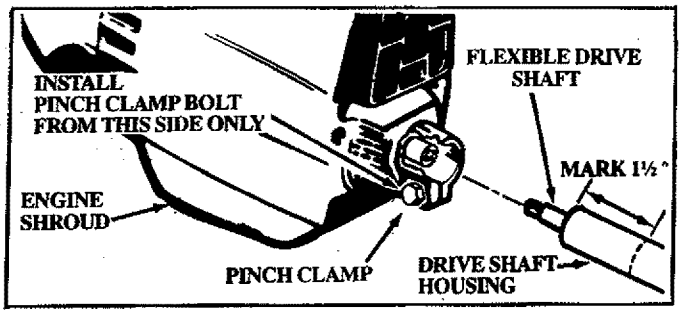


Figure 4

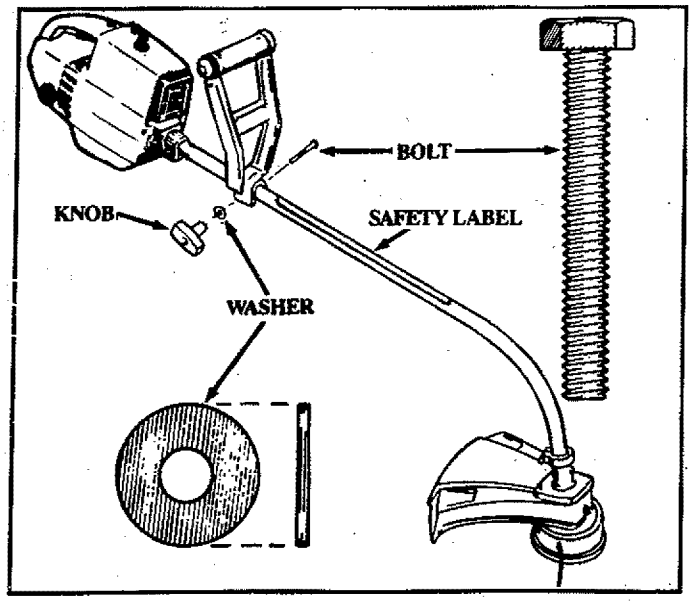


Figure 5

4. ASSIST HANDLE — Figure 5

a. Hold the Assist Handle so it is leaning back toward the Engine and aligned between the Engine and the Safety Label.

b. Firmly push the Assist Handle onto the Drive Shaft Housing. Figure 5.

c. Install the Assist Handle Bolt, Washer, and Knob.

d. Tighten the Knob by hand only.

5. OPERATING POSITION — Figure 6

a. **Before starting the Engine,** stand as shown in Figure 6 and check for the following:

1). Left arm fully extended ,hand holding Assist Handle.

2). Right arm slightly bent, hand holding the Rear Handle, fingers on Throttle Trigger.

3). Rear Handle 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 Saftey Label)* to a comfortable position.

1). Loosen the Knob by hand, adjust Handle. Retighten Knob by hand *only.*

2). Rotate the Handle from left to right if it is necessary to tilt the angle of the Trimmer Head for cutting a large, sloped area such as a ditch bank.

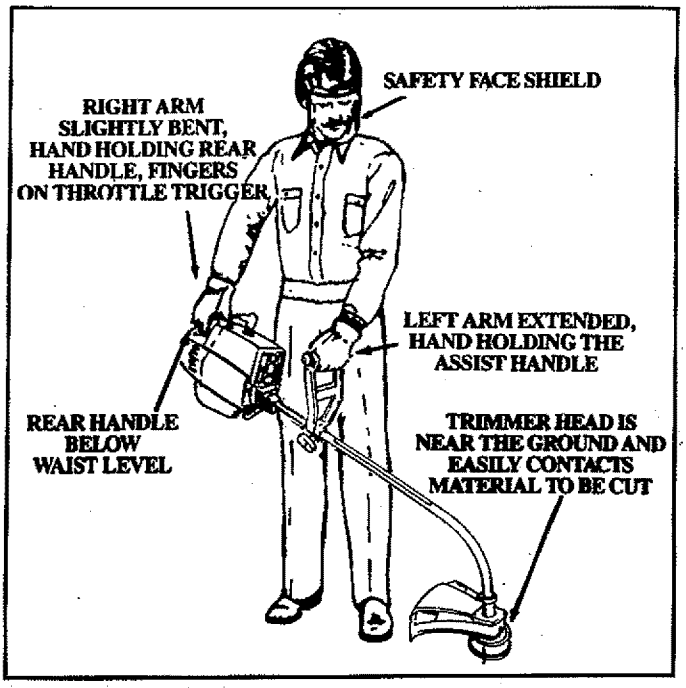


Figure 6

ENGINE INFORMATION

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 tool or while using the tool.**

e. **Wipe up all fuel spills before starting engine.**

f. **Move at least 10 feet away from fueling site before starting engine.**

g. **Stop engine before removing fuel cap.**

h. **Empty the fuel tank before storing the tool.** It is recommended that the fuel tank be emptied after each use. If fuel is left in tank, store so fuel will not leak.

i. **Store tool 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

- **Your tool is powered by a two-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.

- **Gasoline must be clean and not over two months old.** Gasoline will chemically break down and form compounds that cause hard starting and damage in 2-cycle engines.

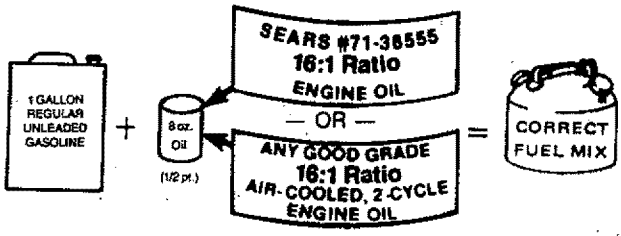
- **The correct measure of gasoline to oil is very important.** Too much oil in the mixture will foul the spark plug.

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

- **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 ONLY:

(16 parts gasoline to 1 part oil)



4. DO NOT USE:

- **BIA OIL (Boating Institute of America) —**
  — Does not have proper additives for air-cooled 2-cycle engines and can cause damage to your unit.
- **AUTOMOTIVE OIL —**
  — Does not have proper additives for 2-cycle engines and can cause damage.
- **GASOLINE CONTAINING ALCOHOL — High Test, Premium or Gasohol (Ethanol or Methanol)**
  — Stiffens critical carburetor fuel metering elements and causes engine damage from overheating.
  — Increases vapor lock (causes hard starting).
  — Attracts water causing corrosion damage.

5. HOW TO MIX FUEL AND FILL TANK

a. Pour 1/2 gallon regular unleaded gasoline into an approved, marked container. *Do not mix gasoline and oil directly in the fuel tank.*

b. Add entire measure of engine oil.

c. Cover container tightly and shake for one minute.

d. Add remainder of gasoline.

e. Cover container tightly and shake again.

f. Slowly remove fuel container cover.

g. Remove fuel cap. See "Specifications," for location.

h. Fill the tank using a spout or funnel.

i. Reinstall the fuel cap securely.

B. PRE-OPERATION CHECKS

⚠WARNING
Review all Warnings and Safety Instructions in this manual.

Before operating your tool, always:

1. **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.
2. **Replace trimmer head parts that are cracked, chipped or damaged before using this tool.**
3. **Use only Sears flexible, non-metallic, monofilament trimming line of the correct diameter.** Never use wire, rope, string, etc.
4. **Use only with the shield properly attached.**
5. **Use only the specified trimmer head.** See "Specifications." **Make sure the trimmer head is properly installed and securely fastened.** Refer to "Assembly."
6. **Be sure the trimmer head stops turning when engine idles.** See "Carburetor Adjustments."
7. **Make carburetor adjustments with the drive shaft housing supported to prevent the trimmer line from contacting any object.** Hold the tool by hand. Do not use the shoulder strap for support.
8. **Keep others away when making carburetor adjustments.**
9. **Use only accessories or attachments as recommended by Sears for this tool.**
10. **Clean the air filter if dirty *before* operating the tool.** Refer to "Specifications," for air filter location.

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

1. Before starting the engine:

a. Fuel engine. Move 10 feet away from fueling site.
b. Extend line 4 inches from the Trimmer Head to provide and adequate load on the engine.

⚠WARNING
The trimmer head will turn as soon as the engine starts.

c. Stand in the operating position. Rest Shield on ground, supporting Trimmer Head up off ground away from trees, bushes, onlookers, etc. Figure 7.
d. With optional Shoulder Strap, place Shoulder Strap on your shoulder. *Start engine before clipping Shoulder Strap to the tool.*

2. For a Cold Engine:

a. Pull Choke to full-choke position. Figure 8.
b. Grip rear handle and keep Throttle Trigger fully squeezed through step "f."
c. Pull Starter Rope sharply until engine pops or attempts to run, but no more than 8 pulls at full choke to avoid flooding the engine. ***The engine "pop" or "attempts to run" may be hard to hear. The operator must listen carefully.*** After 8 pulls, proceed to step "d." even if engine has not attempted to run.
d. Push Choke to half-choke position. Figure 9.
e. Pull Starter Rope sharply until engine runs, but no more than 5 pulls.

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

f. Allow engine to run 5 seconds, then push Choke to no-choke position. Figure 10. *Keep Trigger fully squeezed until engine runs smoothly.*

NOTE: If engine dies with Choke at no-choke position, repeat steps "d" through "f."

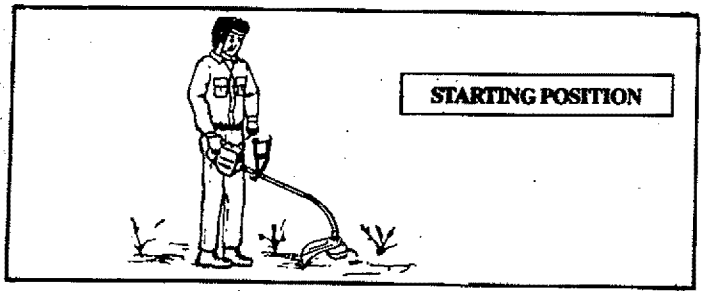


Figure 7

⚠WARNING
Avoid any bodily contact with the muffler on a warm engine. A hot muffler can cause serious burns.

3. For a Warm Engine:

a. Pull Choke to half-choke position. Figure 9.
b. Grip rear handle and keep Throttle Trigger fully squeezed until engine runs.
c. Pull Starter Rope sharply until engine runs, but no more than 5 pulls.
d. Push Choke to no-choke position. Figure 10. *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 using no-choke position. Figure 10.

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

a. Refuel engine. Move 10 feet away from fueling site.
b. Pull Choke to full-choke position. Figure 8.
c. Grip rear handle and keep Throttle Trigger fully squeezed until engine runs.
d. Pull Starter Rope sharply until engine pops or attempts to run, but no more than 5 pulls.
e. Push Choke to no-choke position. Figure 10.
f. 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 using no-choke position. Figure 10.

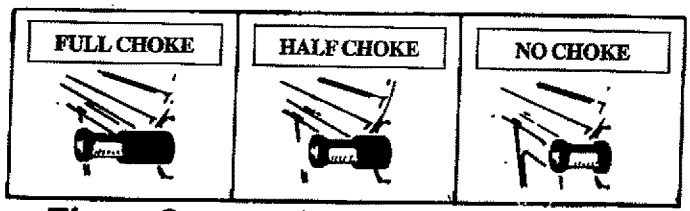


Figure 8 **Figure 9** **Figure 10**

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 trimmer line will last longer and will be less likely to "weld" on 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 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. **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. Push "Off" Button. *Hold button down until the engine stops. Figure 11.*

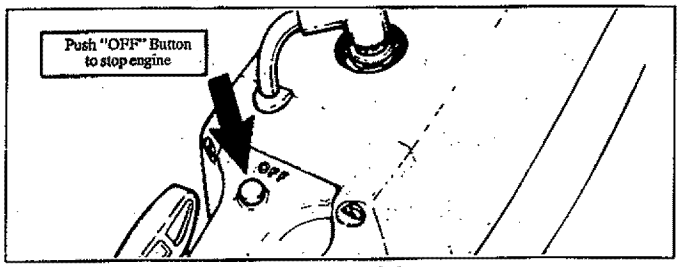
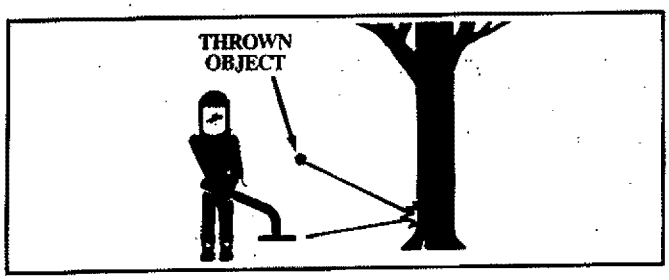


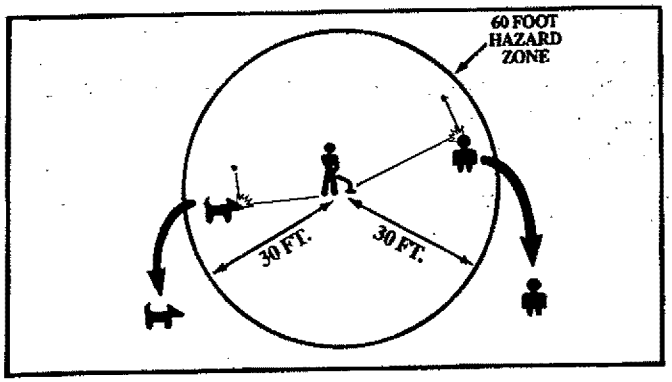
Figure 11

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 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
#71-85764
Use Only Genuine Replacement Parts

⚠WARNING — *DAMAGED TRIMMER HEAD*

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.**

A. LINE TRIMMER SAFETY

1. OPERATOR

a. **Always wear a safety face shield or goggles.** See "Accessories."

b. **Always wear heavy, long pants, boots and gloves.** Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. Secure hair so it is above shoulder length.

c. **Do not operate this tool 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

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 Sears flexible, non-metallic, monofilament cutting line of the correct diameter.** Never use wire, string, rope, 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. **Be sure the trimmer head stops turning when the engine idles.** See "Carburetor Adjustments."

f. **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.

g. **Keep others away when making carburetor adjustments.**

h. **Use only accessories or attachments recommended for this tool by Sears.**

3. CUTTING

a. **Inspect the area to be cut before each use.** Remove objects (rocks, broken glass, nails, wire, string, etc.) which can be thrown or become entangled in the trimmer head.

b. **Always keep the engine on the right 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.**

B. TRIMMER LINE ADVANCE

- **The 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 trimmer head parallel to and above the grassy area.
3. Tap the bottom of the trimmer head lightly on the ground one time. See Figure 12. Approximately 2 inches of line will be advanced with each tap.

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 Sears flexible, non-metallic monofilament cutting line. Do not use other materials such as rope, wire, string, etc. Wire can break off during cutting and become a dangerous missile.

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.

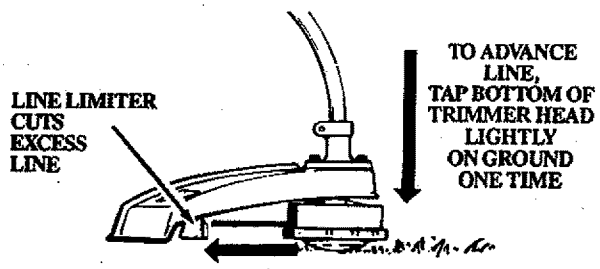


Figure 12

C. CUTTING METHODS

- **The tip of the line does the cutting.** Allow the line to trim at its own pace. You will achieve better results by not crowding the line into the cutting area. The right and wrong way are shown in Figure 13.
- **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 to vegetation or trees with tender bark, shorten line to 4-5 inches and use less than full throttle.
- **The line will wear faster and will need to be advanced more frequently when you are cutting against rocks, bricks, concrete, metal fences, etc., than when cutting against trees or wooden fences.**
- ***For trimming or scalping,* use less than full throttle to increase line life and decrease head wear.**
  — during light duty cutting.
  — next to rocks, bricks, concrete, metal fences, etc..
- ***For mowing or sweeping,* use full throttle for a good clean job.**
- **Avoid letting the trimmer head continuously contact the ground during normal cutting.** Constant contact will cause trimmer head damage and premature wear.

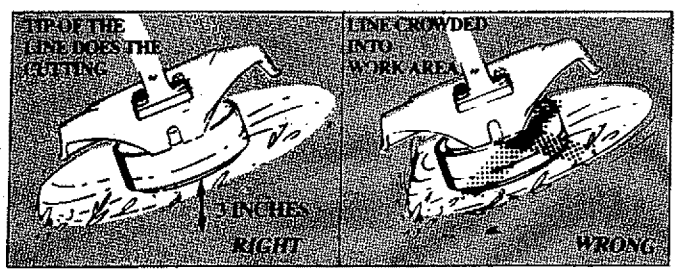


Figure 13

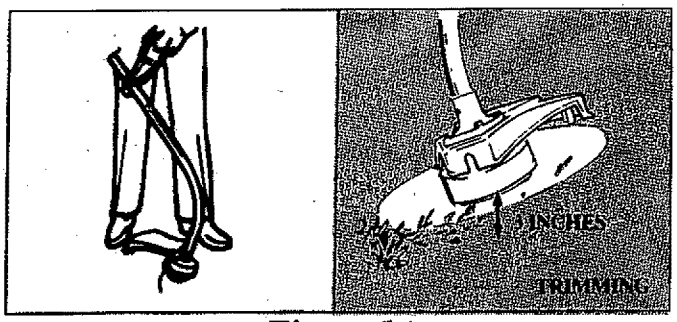


Figure 14

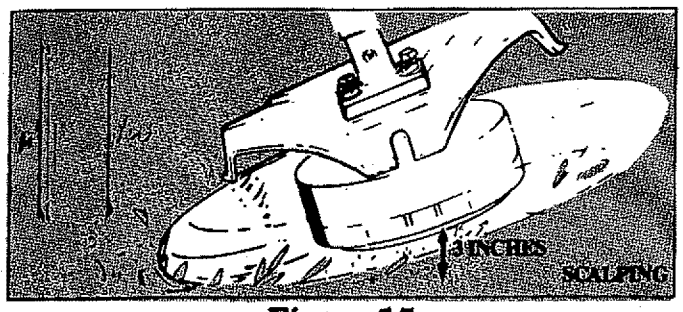


Figure 15

⚠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 14

Hold the tap button about 3 inches above the ground and tilt the trimmer head at an angle. Allow the tip of the line to do the cutting. Do not force the trimmer line into the work area.

2. SCALPING — Figure 15

The scalping technique removes unwanted vegetation. Hold the tap button about 3 inches above the ground and tilt the trimmer head at an angle. Allow the tip of the line to strike the ground around trees, posts, monuments, etc. *This technique increases line wear.*

3. MOWING — Figure 16

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.

4. SWEEPING — Figure 17

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.

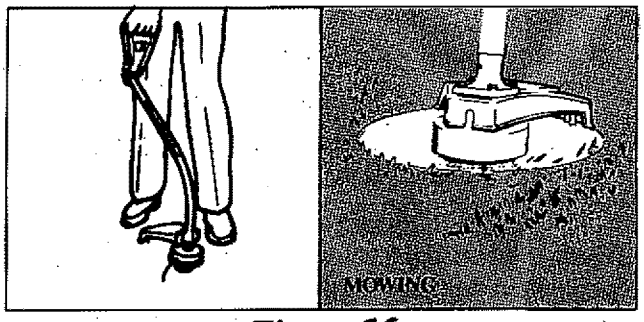


Figure 16

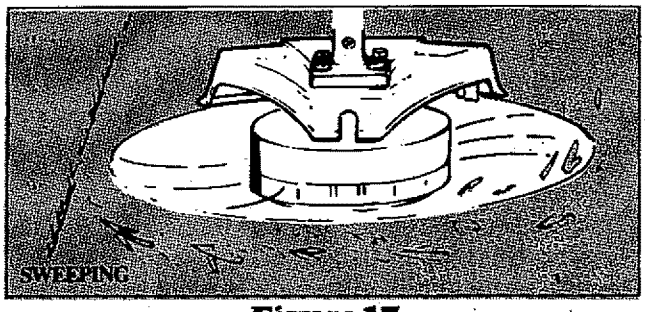


Figure 17

GENERAL MAINTENANCE

A. MAINTENANCE SAFETY

1. **Maintain the tool according to recommended procedures.** Keep the trimmer 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 tool with your hand. Do not use the optional shoulder strap for support.
4. **Keep others away when making carburetor adjustments.**
5. **Be sure the trimmer head stops turning when engine idles.** See "Carburetor Adjustments."
6. **Use only Sears flexible, non-metallic monofilament cutting line of the correct diameter.** Never use wire, rope, string, etc.
7. **Replace trimmer head parts that are cracked, chipped or damaged in any way before using the tool.**
8. **Use only genuine replacement parts as recommended by Sears.**
9. **Inspect entire tool.** Replace damaged parts. Check for fuel leaks. Make sure all fasteners are in place and securely fastened.

B. TRIMMER HEAD

- **For proper line feed:**
  - **Use only genuine Sears pre-wound spools and bulk line.** Use of other spools or line 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. Be sure to always replace the spool, if the square corners of the drive lugs are rounded off, reduced in size or broken off. Figure 23.
- **Always clean dirt and debris from the spool and hub** when performing any type maintenance.

1. Installing Spool w/Line

a. Hold the Trimmer Head as shown in Figure 18. Press the lock tab, and turn lock ring counterclockwise ⟵.
b. Remove the lock ring, tap button, and spool. Figure 19.
c. Clean dirt and debris from all parts.
d. Inspect all trimmer head parts. Clean and replace as necessary. See "Spool Replacement" this section.

⚠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.

NOTE: After a groove is worn into one side of the aluminum line saver, the line saver can be turned upside down and reinstalled (with the spool removed) to provide a new wear surface. Figures 19 & 20.

⚠WARNING
The line saver must be installed only from the inside of the spool housing with the flanges facing toward the spool. If installed on the outside of the spool housing, the line saver can fly off and become a dangerous missile.

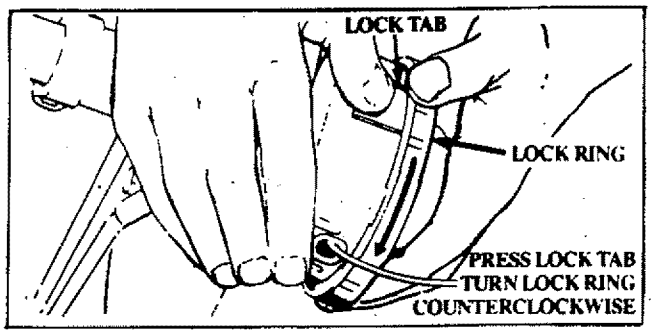


Figure 18

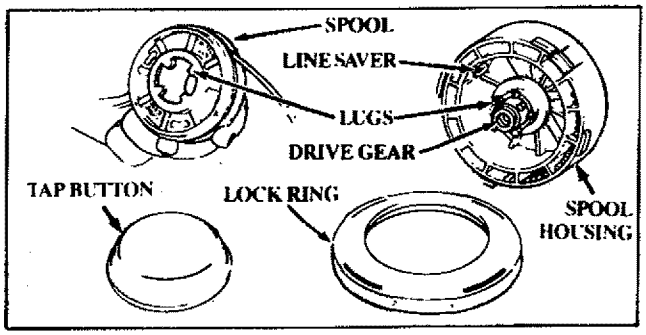


Figure 19

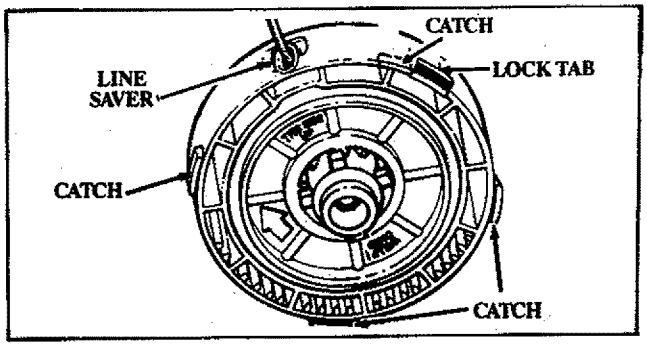


Figure 20

e. Make sure the line saver is in place and installed correctly. Insert the end of the line in the line saver as shown in Figure 20. Place spool in housing. Press spool down. Turn and lock spool under lugs on drive gear.

f. Replace the tap button; press lock tab and install the lock ring. Turn lock ring clockwise ➡ and fasten under *all four* catches on the housing. Figures 20 & 21.

g. Check to be sure the lock ring is properly installed by attempting to turn the ring counterclockwise ⬅ and pulling on it. Reinstall properly if the lock ring comes off. Figure 21.

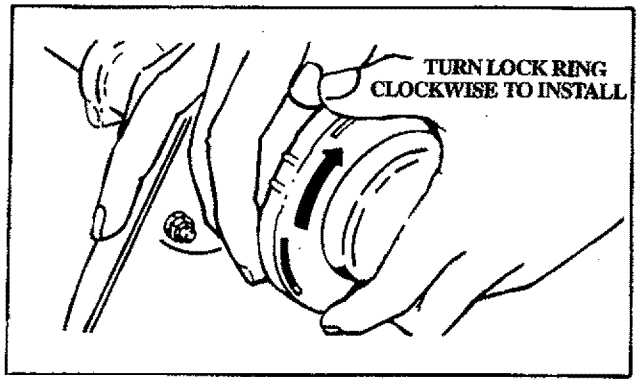


Figure 21

⚠WARNING
The lock ring must be fastened under all four catches on housing. If installed incorrectly, the lock ring can fly off.

h. Pull on the line to change the spool from the locked position to the operating position. Figure 22.

i. Obtain correct line length by pressing tap button and pulling on the line again.

NOTE: Each time the tap button is pressed, approximately 2 inches of line can be pulled from the trimmer head. Figure 22.

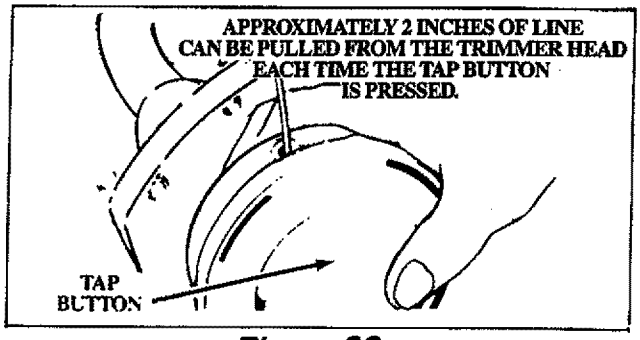


Figure 22

2. Spool Replacement

a. **Replace the spool** when the square corners of the lugs are rounded off, reduced in size, or broken off. Figure 23.

b. **To replace the spool,** follow "Installing Spool w/Line."

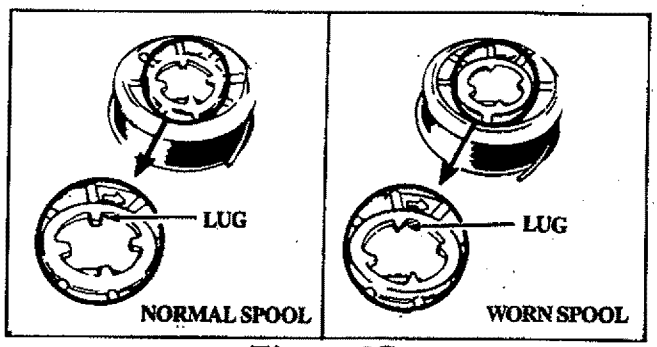


Figure 23

3. Line Replacement/Repair

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 40 foot length of Sears .080" diameter trimmer line.

3.) Insert 1/16 to 1/8 inch of the end of the line through the hole in the inner rim of the spool. Allow no more than 1/8 inch of line to extend beyond the rim to avoid interference with the drive gear.

4). Wrap the line evenly onto spool in a clockwise direction as shown by arrow on spool. Figure 24.

NOTE: Wrap line firmly and evenly for proper line feed.

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

b. **If the line breaks off or back 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-i."

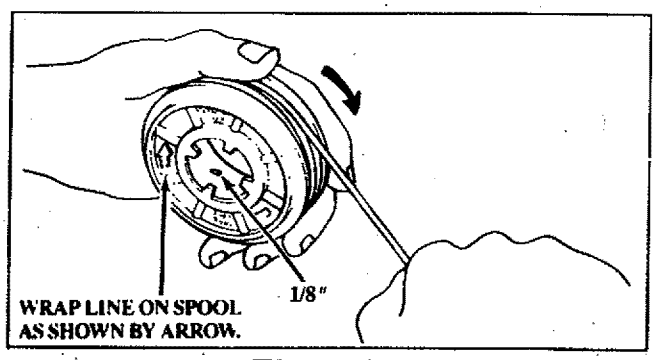


Figure 24

C. CARBURETOR ADJUSTMENTS

⚠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.

- **The carburetor has been carefully adjusted at the factory. However, the operator must be sure that adjustments are made when any of the following conditions occur:**

  NOTE: Be sure to properly prepare the tool as described in "1. Preparation" before making any adjustments.

— Engine will not continue to run at idle position. See "2. Idle Speed Adjustment" and "5. Low Speed Mixture Adjustment."

— Trimmer Head continues to spin when the engine idles. See "2. Idle Speed Adjustment" and "4. Deceleration Check."

— Engine dies or hesitates when it should accelerate. See "3. Acceleration Check."

— Loss of cutting power which cannot be corrected by cleaning the air filter. See "6. High Speed Mixture Adjustment."

— Engine does not return to idle from full throttle within 2 seconds. See "4. Deceleration Check."

— Engine will not run. See "Troubling Shooting Chart." Then, if the carburetor requires adjustment, begin with "7. Basic Carburetor Settings."

- **This is a complicated task and it is important to follow instructions in sequence as indicated.**
- **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.

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

1. PREPARATION

a. Use a fresh fuel mix. See "Fueling Your Engine."

b. Make sure the line extends to the length allowed by the line limiter to provide correct load on engine.

c. 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.*

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

2. IDLE SPEED ADJUSTMENT

a. Allow engine to idle.

b. Adjust Idle Speed Screw (Figure 25) 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 the trimmer line from turning.*

c. Follow instructions in "3. Acceleration Check" and "4. Deceleration Check."

d. **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.

3. ACCELERATION CHECK

a. Allow engine to idle.

b. Squeeze Trigger fully.

1.) **If performance is satisfactory,** proceed to "4. Deceleration Check."

2.) **If the engine does not accelerate smoothly,** turn the Low Speed Mixture Screw (Figure 25) counterclockwise ⬅ a small amount (no more than the width of the slot in the adjusting screw).

c. Repeat step "b." until smooth acceleration is obtained.

NOTE: It may be necessary to repeat "2. Idle Speed Adjustment" through "3. Acceleration Check," to obtain correct adjustments.

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

4. DECELERATION CHECK

a. Allow engine to idle, then squeeze Throttle Trigger fully.

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

c. 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.

1.) **If performance is satisfactory,** proceed to step "d."

2.) **If the engine slowly or erratically returns to idle or idles erratically,** repeat "2. Idle Speed Adjustment" or continue through Low Speed Mixture and High Speed Mixture Adjustments to obtain proper deceleration.

d. Recheck idle speed.

5. LOW SPEED MIXTURE ADJUSTMENT

a. Allow engine to idle.

b. Turn the Low Speed Mixture Screw (Figure 25) slowly clockwise ➡ until the speed starts to drop. Note this position.

c. Turn the Low Speed Mixture Screw counterclockwise ⬅ until the speed increases and then starts to drop again. Note this position.

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

e. Follow instructions in "3. Acceleration Check" and "4. Deceleration Check."

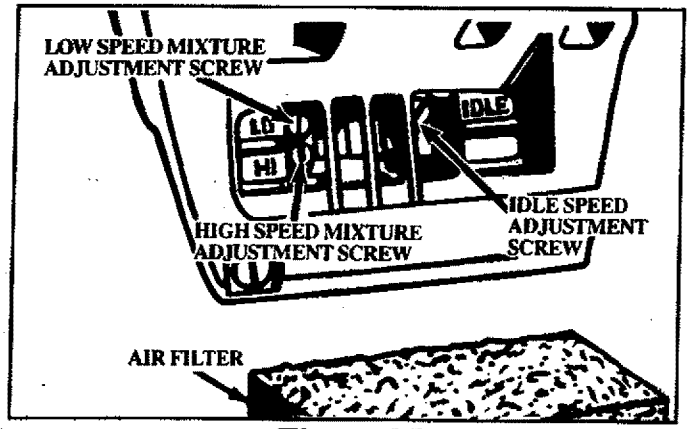


Figure 25

6. HIGH SPEED MIXTURE

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

a. Support the drive shaft housing off the ground so the trimmer line will not contact any object.

b. Allow engine to idle, then squeeze Throttle Trigger fully.

NOTE: Perform steps "c." through "e." at full throttle.

c. Turn High Speed Mixture Screw (Figure 25) very slowly clockwise ➡ until engine speed is reduced.

d. Turn High Speed Mixture Screw very slowly counterclockwise ⬅ . Stop when the engine just begins to run rough.

e. Turn the screw slowly the minimum amount clockwise ➡ until the engine runs smoothly.

f. Follow instructions in "3. Acceleration Check" and 4. 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.

7. BASIC CARBURETOR SETTINGS

a. Turn the Low Speed Mixture Screw and the High Speed Mixture Screw (Figure 25) clockwise ➡ just 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 "1. Preparation," through "6. High Speed Mixture Adjustment."

8. 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.

D. AIR FILTER

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

Clean the Air Filter:

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

1. Pull the Air Filter from the engine with you fingers. For Air Filter location, see "Specifications."
2. Wash in soap and water.

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

3. Squeeze dry and replace.

CAUTION: The air filter must be fitted into the corners of the housing to avoid engine damage.

E. STARTER ROPE

- *This is a complicated and potentially hazardous task.* **It is recommended that only your Sears Service Center perform this repair.**

⚠ WARNING

Always wear eye protection and gloves when servicing the starter rope. The recoil spring, located beneath the pulley, is under tension. If the spring flies out, serious injury can result.

- **To repair or replace:**

1. Disconnect spark plug wire.
2. Drain all fuel from tank.
3. Remove the four screws from fan housing. Figure 26.
4. Carefully separate fan housing from shroud about one (1) inch.
5. Disconnect fuel line from fitting. Figure 26.
6. Disconnect lead from "off" button terminal on ignition module. Figure 26.
7. Slide high tension lead grommet from slot in fan housing. Figure 26.
8. Separate the fan housing completely from the shroud while guiding the choke through the fan housing.
9. If the starter rope is not broken, release the spring tension by pulling about 12 inches of rope from the pulley and catch the rope in the notch as shown. Figure29.

   CAUTION: Be sure the tension on the starter spring is released by rotating the pulley clockwise ➞ with your finger while pushing down on the pulley with your hand.

10. Remove screw and washer from the starter pulley very carefully. Rotate the pulley clockwise ➞ until no tension is felt and carefully lift the pulley out of the fan housing. Figure 27. Remove old rope.

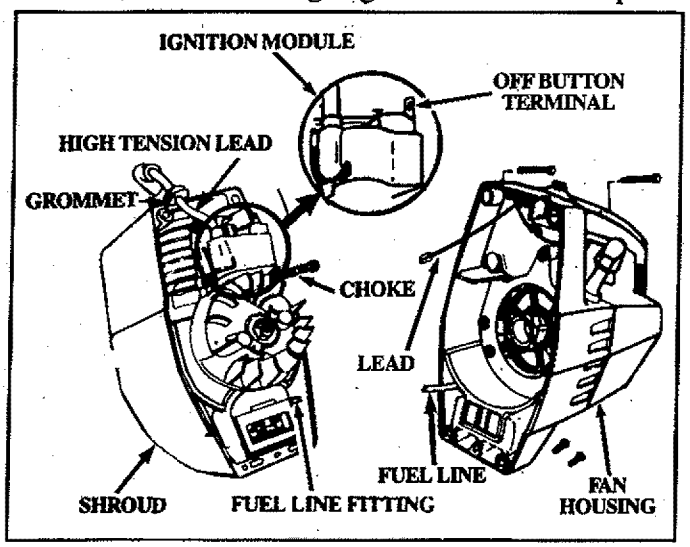


Figure 26

11. Move away from the fuel tank with the rope to be installed. Use a match and melt both ends of the rope to prevent fraying.
12. Pull the melted ends through a thick, clean rag while the rope is still hot to obtain smooth, pointed tips.
13. Insert one end of the rope through the handle and secure with a knot.
14. Insert the free end of the rope through rope exit hole into the inside of the fan housing.
15. Guide rope inside pulley, then up through the pulley ratchet side of pulley hole to the outside by pushing the rope through from the hole on the spring cam side with a small Phillips screwdriver. Figure 28.
16. Wrap rope counterclockwise ➞ around pulley ratchet and tuck loose end back under rope where it comes out of hole. Leave a 1/4 to 1/2 inch tail laying flat on the top of the pulley. The rope tail *must not* extend beyond the edge of the pulley. Figure 28.
17. Carefully replace pulley in the housing. Be sure the pulley is all the way down. Replace washer and screw and tighten. Figures 27 & 28.
18. Turn the pulley clockwise ➞ until all the rope is wrapped onto the pulley.
19. Pull out the rope by the handle (approximately 12") and hold the pulley.

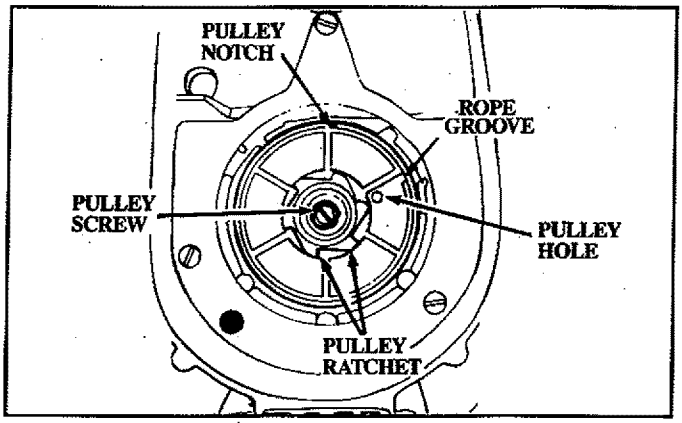


Figure 27

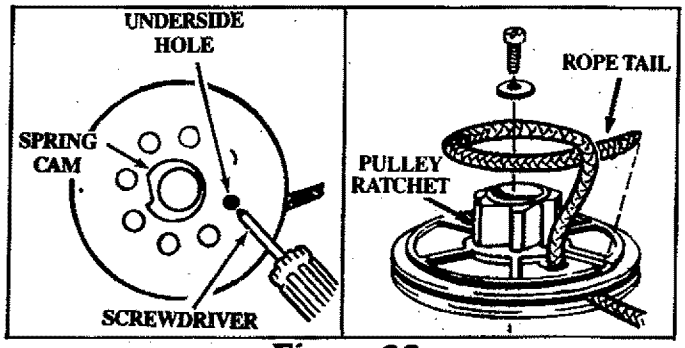


Figure 28

20. Pull the 12 inch slack in the rope into the inside of the fan housing and catch rope in pulley notch. Figure 29.
21. Hold the rope taut and make 2 complete turns of the pulley counterclockwise ↶ to place tension on the spring. Continue to hold the pulley to retain tension.
22. Align pulley notch with rope exit hole, release slack in the rope and pull starter handle to the full extent of the rope. Release the pulley and slowly allow the rope to wind around the pulley.
23. Reverse steps to re-assemble fan housing to shroud.

NOTE: Be sure to guide choke knob through the hole in the fan housing during re-assembly.

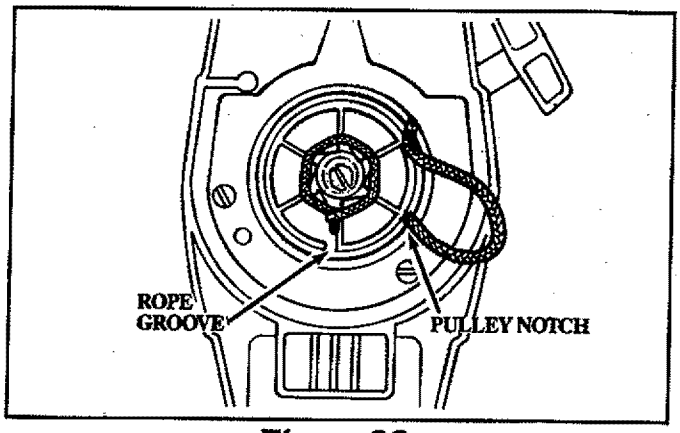


Figure 29

F. DRIVE SHAFT LUBRICATION

- **Lubricate the Flexible Drive Shaft:**
  - **— After each ten (10) hours of operation.**
  - **— Before operating if the unit has been stored for 90 days or longer.**
- **Use Flex Shaft Lube Part No. 30102.**

NOTE: A tube of "Flex Shaft Lube" has been supplied with your unit to be used after the first 10 hours of operation.

- **Use the following procedure for best results:**

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

1. Loosen (but do not remove) the Clamp Bolt and remove the Drive Shaft Housing from the Engine Shroud. Figure 4.
2. Remove the Flexible Drive Shaft from the Drive Shaft Housing as shown in Figure 30.

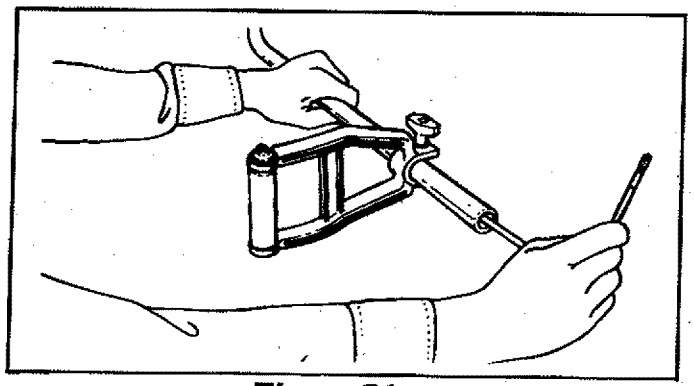


Figure 30

CAUTION: Lay the Flexible Drive Shaft on a clean surface. Avoid laying the shaft on the floor, ground or on any 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.

3. Check the Flexible Drive Shaft for broken wires, twists or kinks and replace if damage is found.

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

4. Using a clean cloth, wipe the surface of the Flexible Drive Shaft thoroughly to remove any old grease. Figure 31.
5. Apply a uniform coat of lube to the entire surface of the Flexible Drive Shaft.
6. Inject the remaining contents of the tube into the top of the Drive Shaft Housing.
7. Replace Flexible Drive Shaft in the Drive Shaft Housing.
8. Follow the instructions in "Assembly" to replace Drive Shaft Housing into the Engine Shroud.

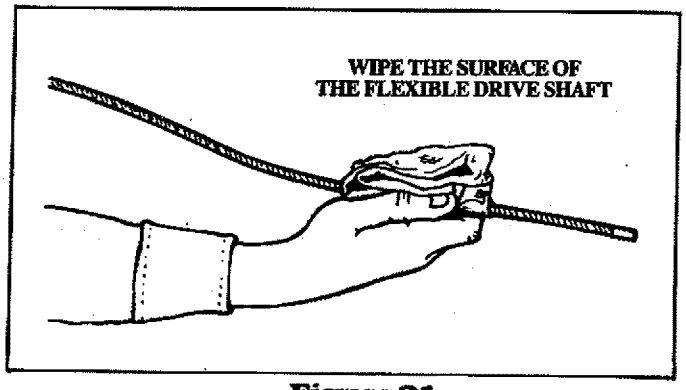


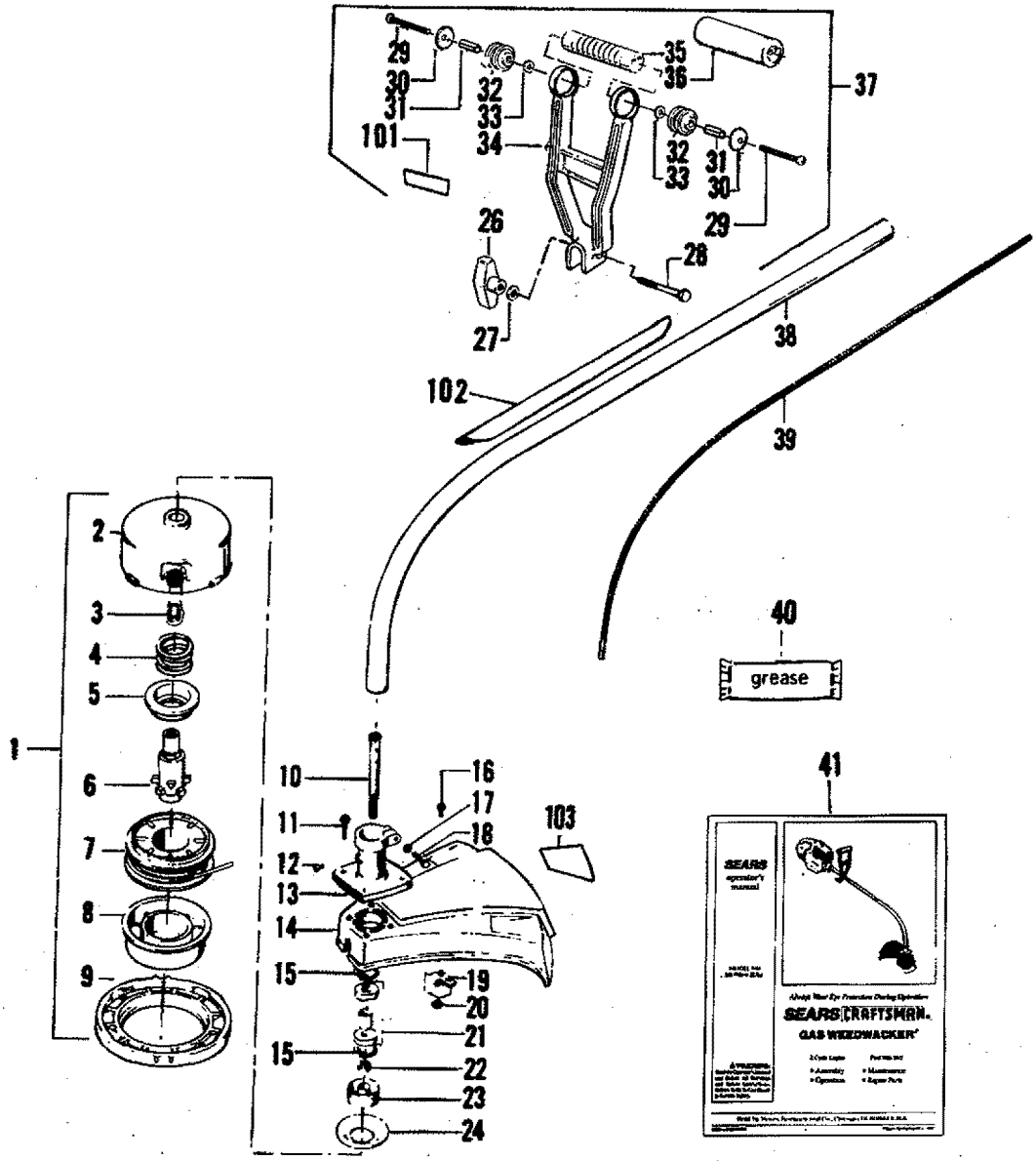
Figure 31

G. TROUBLE SHOOTING CHART

TROUBLE	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. 4. Check for dirty fuel filter; clean. Check for kinked or split fuel line; repair or replace. 5. See "Carburetor Adjustments." 6. Contact your Sears Service Center.
Engine will not idle properly	1. Idle speed set too slow. 2. Idle speed set too high. 3. Low speed mixture requires adjustments. 4. None of the above.	1. Adjust idle speed screw clockwise to increase speed. 2. Adjust idle speed screw counterclockwise to reduce speed. 3. See "Carburetor Adjustments." 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. 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.
Engine smokes excessively	1. Air filter dirty. 2. Fuel mixture incorrect. 3. High speed mixture requires adjustment.	1. Clean or replace air filter. 2. Empty fuel tank and refuel with correct fuel mixture. 3. See "Carburetor Adjustments."
Engine runs hot	1. Fuel mixture incorrect. 2. High speed mixture set too low. 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.
Unit engages at idle speed	1. Carburetor requires adjustment. 2. Clutch requires repair.	1. See "Carburetor Adjustments." 2. Contact your Sears Service Center.
Trimmer head does not turn when engine is accelerated	1. Drive shaft broken or not engaged. 2. Carburetor requires adjustments. 3. Clutch slipping.	1. Replace or see "Assembly." 2. See "Carburetor Adjustments." 3. Contact your Sears Service Center.
Trimmer head stops under a load	1. Drive shaft broken or not engaged. 2. Carburetor requires adjustment. 3. Clutch requires repair.	1. Replace or See "Assembly. 2. See "Carburetor Adjustments." 3. Contact your Sears Service Center.
Line does not advance	1. Line improperly wound onto spool. 2. Worn spool.	1. Rewind spool. 2. Replace spool.

SEARS WEEDWACKER® REPAIR PARTS LIST – Model 358.798141-28.0cc

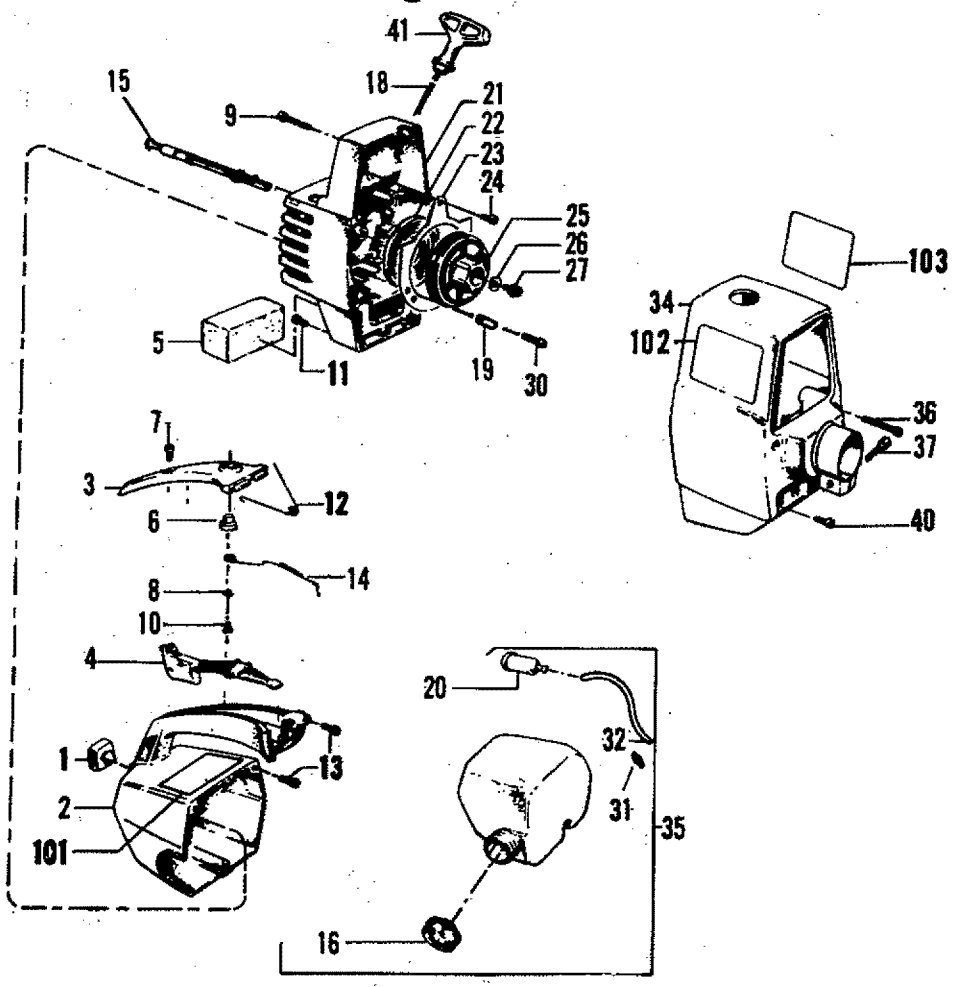
Figure 1



KEY NO.	PART NO.	QTY. REQ.	DESCRIPTION
1	706515	1	Trimmer Head Assembly Stock #71-85764 (Incl. 2-9)
2	93896	1	Hub w/Line Saver
3	93898	1	Line Saver
4	92067	1	Spring
5	92068	1	Adaptor-Spring
6	93897	1	Drive Gear
7	706502	1	Spool w/Line-Stock #71-85789
8	93387	1	Release Button
9	92133	1	Cover
10	93846	1	Shaft-Arbor
11	92243	2	Screw-1/4"-16x1-1/8" Shield to Bearing Housing
12	15518	1	Screw-5/16-Self Tapping
13	93214	1	Bearing Housing Assembly-(Incl. #15, 16, 17, 18, 21, 22 & 23)
14	93886	1	Shield
15	91783	2	Retainer-Bearing
16	STD 511007	2	Screw #10-24x5/8"-Hex Hd. Line Limiter
17	STD 551225	1	Washer-1/4" Int. Tooth Lock
18	STD 522510	1	Screw-Pinch Clamp
19	93853	1	Line Limiter
20	STD 541410	2	Nut-10-24-Locking
21	69066	1	Bearings & Spacer Kit
22	92216	1	Washer-3/8" Dust Cup
23	92359	1	Dust Cup
24	92218	1	Grass Washer
26	92059	1	Knob-1/4"-20
27	STD 551025	1	Washer-1/4-Flat
28	15737	1	Hex Bolt-1/4"-20x1-1/2"
29	15561	2	Screw-Pan Hd.-#12-11x2"
30	24376	2	Cup-Isolator
31	25985	2	Spacer Isolator
32	24373	2	Isolator-Vibration
33	15209	2	Washer-1/4 Flat
34	93859	1	Handle-Anti-vibe
35	25986	1	Center Section-Handle
36	26009	1	Cushion-Handle Center Section
37	10754	1	Handle-Anti-vibe Assembly (Incl. #29, 30, 31, 32, 33, 34, 35, & 36)
38	94493	1	Drive Shaft Housing
39	92261	1	Flexible Drive Shaft
40	30102	1	Flex Shaft Lube
41	66909	1	Operator's Manual
Decals			
101	26717	1	Decal-Anti-vibe
102	27430	1	Decal-Safety Label
103	26574	1	Decal-Shield

SEARS WEEDWACKER® REPAIR PARTS LIST — Model 358.798141-28.0cc

Figure 2

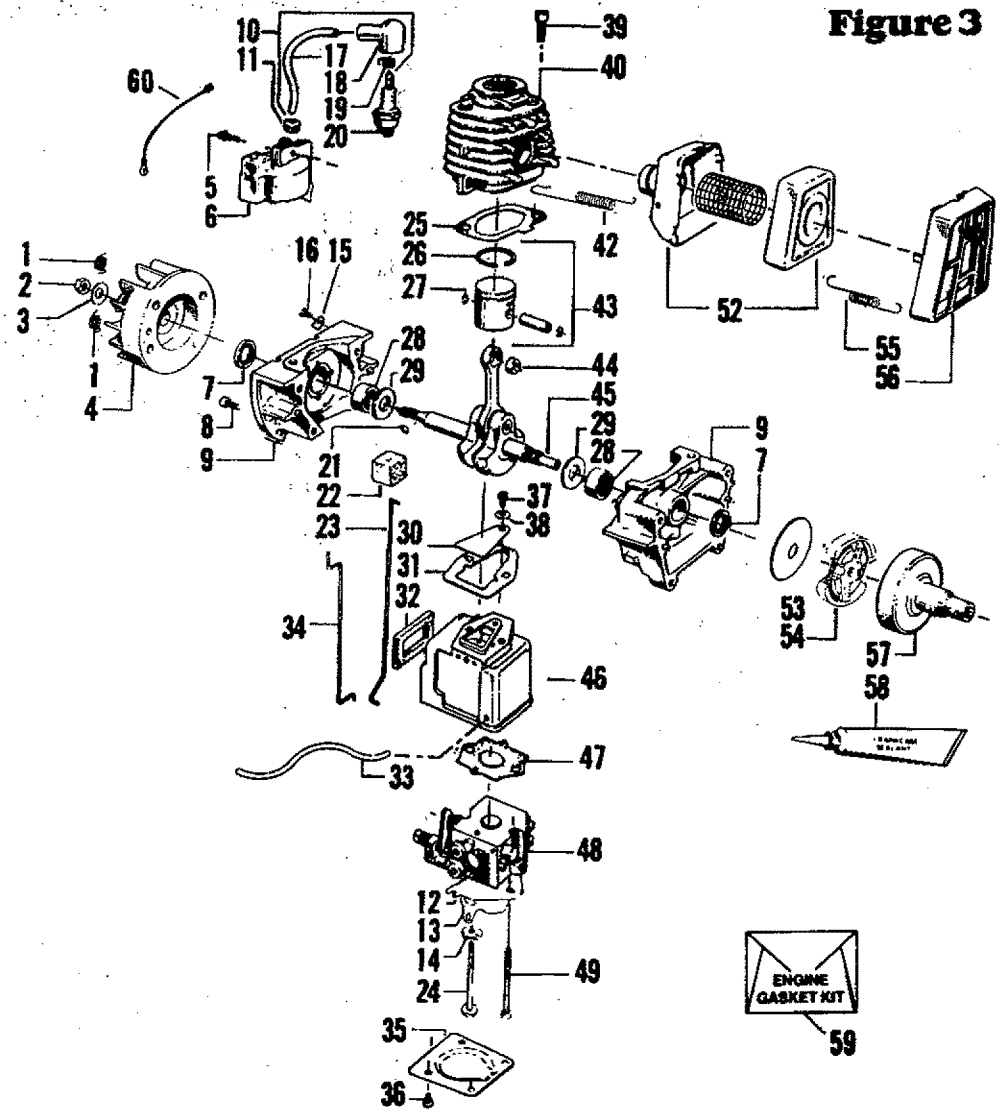


KEY NO.	PART NO.	QTY. REQ.	DESCRIPTION	KEY NO.	PART NO.	QTY. REQ.	DESCRIPTION
1	24436	1	Bumper Fuel Tank Housing	25	26048	1	Starter Pulley
2	26566	1	Handle & Fuel Tank Housing	26	15123	1	Washer #10 Starter Pulley Screw
3	27373	1	Handle Cover	27	15479	1	Screw-#10x3/4"-Hex Washer Head-Starter Pulley
4	24365	1	Trigger-Throttle				
5	24371	1	Air Filter	30	15563*	1	Screw-#10x1-3/16" Plastite
6	26679	1	Kill Switch Button	31	26981	1	Fuel Line Fitting
7	STD 610807	1	Screw #8-16x3/4" Pan Head-Handle Cover	32	69247	1	Line Kit
				34	11778	1	Shroud
8	15412	1	Washer	35	10776	1	Fuel Tank Assembly (Incl. #16, 20, 31 & 32)
9	15583	2	Screw #10-24x1-1/2"-Sems Fan Housing-Top	36	15376	2	Screw
10	15407	1	Screw	37	93802	1	Bolt-Pinch Clamp
11	15582	2	Screw #10-24x5/8"-Sems Fan Housing-Bottom	40	15168	2	Screw
				41	26735	1	Handle-Starter
12	24461	1	Trigger-Spring	Decals			
13	15367	5	Screw #10-14x3/4"-Fan Housing to Handle & Fuel Tank	101	27456	1	Decal-Instructions
				102	27406	1	Decal-Shroud (Right)
14	24407	1	Kill Switch Spring	103	27405	1	Decal-Shroud (Left)
15	24303	1	Choke Knob				
16	10729	1	Fuel Cap Assembly (Incl. O-Ring)				
18	69231	1	Rope Kit				
19	26122	1	Air Baffle Spacer				
20	10897	1	Fuel Pick-Up Assembly				
21	69178	1	Fan Housing Kit				
22	42067	1	Starter Recoil Spring				
23	26035	1	Air Baffle				
24	15544*	2	Screw-#10x3/8" Pan Hd.-Air Baffle				

* If your unit has been serviced with the metal fan housing, use Part No. 15373 (Screw-#10-24x1/4-Fil. Hd.), instead of 15544 (Key No. 24), and Part no. 15305 (Screw-#10-24x1-3/16 Fil. Hd.), instead of 15563 (Key No. 30)

SEARS WEEDWACKER® REPAIR PARTS LIST — Model 358.798141-28.0cc

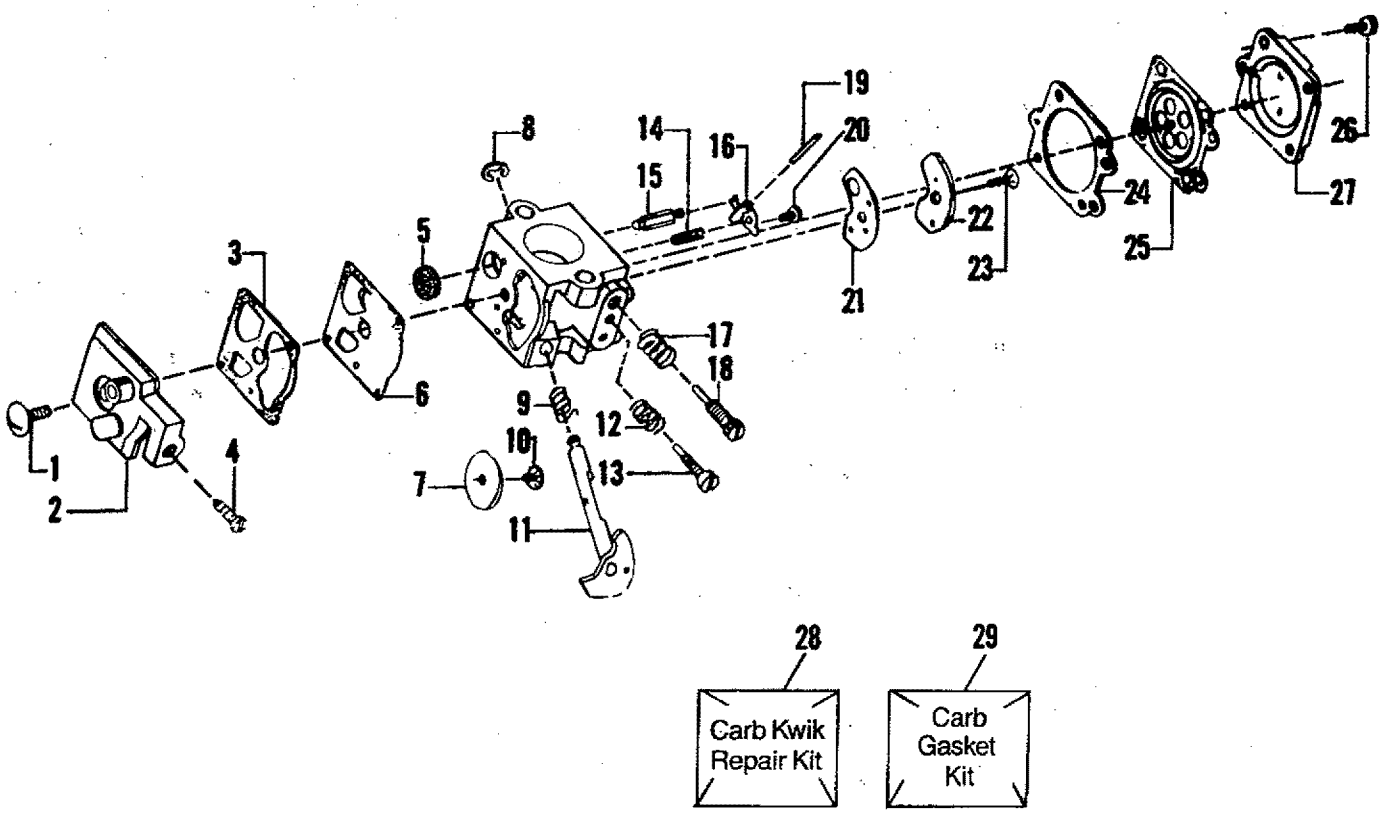
Figure 3



KEY NO.	PART NO.	QTY. REQ.	DESCRIPTION
1	42059	1	Spring-Starter Dog
2	STD 541131	1	Nut-Flywheel-(5/16"x26)
3	15127	1	Washer-Flywheel
4	39114	1	Flywheel Assembly (Incl. #1)
5	STD 551006	2	Screw #8-32x3/4"-Fil. Hd.-Ignition Module
6	69181	1	Kit-Ignition Module
7	19059	2	*Seal-Crankcase
8	15369	4	Screw-Crankcase
9	10757	1	Crankcase Ass'y. (Incl. #7 & 28 & Qty. 4 of #8)
10	39103	1	High Tension-Lead Assembly (Incl. #17, 18 & 19)
11	24435	1	Grommet-Plug Wire
12	26237	1	Guide Plate
13	24558	1	Choke Shutter
14	15254	1	Wave Washer
15	24651	1	Choke Wire Clamp
16	15004	1	Screw
17	39082	1	High Tension Lead Wire
18	3943	1	Boot-Spark Plug
19	3933	1	Connector-Spark Plug Lead
20	STD 361258	1	Spark Plug (CJ-14)
21	15126	1	Key-Flywheel
22	23373	1	*Boot-Throttle
23	24902	1	Throttle Wire (Red)
24	15404	1	Screw
25	19111	1	*Gasket-Cylinder
26	26681	1	Ring-Piston
27	15162	2	Retainer-Wrist Pin
28	32029	2	Bearing-Crankcase
29	15351	2	Washer-Thrust-Crankcase
30	24438	1	Reed Valve
31	19108	1	*Gasket-Carburetor Case to Crankcase
32	19105	1	Seal-Carburetor Case
33	69238	1	Line Kit
34	26236	1	Choke Wire
35	26029	1	Cover-Carburetor Case
36	STD 610805	4	Screw #8-18x9/16"-Pan Hd.-Carburetor Case Cover
37	STD 610603	1	Screw #6-19x5/15"-Pan Hd.-Reed Valve
38	23367	1	Washer-Reed Valve Screw
39	15239	2	Screw 1/4"-20x3/4"-Hex Socket Hd.-Cylinder
40	12191	1	Cylinder
42	24903	2	Spring-Muffler Detachment
43	69241	1	Piston Kit (Incl. #26, 27 & Pin)
44	32092	1	Bearing-Wrist Pin
45	10844	1	Crankshaft & Rod Assembly (Incl. #44)
46	26046	1	Carburetor Housing
47	19115	1	*Gasket-Carburetor
48	35183	1	Carburetor-WA-149-(See Page 24 for Assembly)
49	15379	1	Screw-Carburetor
52	69243	1	Muffler Ass'y.
53	69196	1	Kit-Clutch Washer
54	69194	1	Kit-Clutch Assembly (Incl. Clutch Washer
55	24932	2	Spring-Muffler Guard
56	24855	1	Guard-Muffler
57	10797	1	Coupling & Bearing Assembly
58	30054	1	Sealant-Crankcase (Not Supplied With Unit)
59	69219	1	Engine Gasket Kit (*Indicates Contents)
60	24158	1	Lead Wire-Kill Switch

* Indicates Engine Gasket Kit Contents

SEARS WEEDWACKER® REPAIR PARTS LIST — Model 358.798141-28.0cc
CARBURETOR NUMBER 35183
Figure 4



KEY NO.	PART NO.	QTY. REQ.	DESCRIPTION	KEY NO.	PART NO.	QTY. REQ.	DESCRIPTION
1	35017	1	Screw-Pump Cover	17	35036	1	Spring-Hi Speed Needle
2	35191	1	Pump Cover Ass'y. (Incl. #4)	18	35142	1	Needle-Hi Speed
3	35164	1	* + Gasket-Pump	19	35028	1	+ Pin-Metering Lever
4	35156	1	Screw-Idle Adjustment	20	35016	1	Screw-Metering Lever Pin
5	35178	1	+ Screen-Inlet	21	35147	1	* + Gasket-Circuit Plate
6	35166	1	* + Diaphragm-Pump	22	35042	1	Plate-Circuit
7	35133	1	Valve-Throttle	23	35137	1	+ Screw-Circuit Plate
8	35007	1	Clip-Throttle Shaft	24	35151	1	* + Gasket-Metering Diaphragm
9	35138	1	Spring-Throttle Return	25	35014	1	* + Diaphragm Ass'y-Metering
10	35015	1	+ Screw-Throttle Valve	26	35153	4	Screw Assembly-Metering Cover & Throttle Shaft Clip
11	35132	1	Shaft Assembly-Throttle				
12	35023	1	Spring-Idle Needle	27	35149	1	Cover-Metering Diaphragm
13	35141	1	Needle-Idle	28	35185	1	Kit-Kwik Repair Kit (+Indicates Contents)
14	35106	1	+ Spring-Metering Lever				
15	35031	1	+ Valve-Inlet Metering	29	35186	1	Kit-Gasket/Diaphragm (*Indicates Contents)
16	35031	1	+ Lever-Metering				

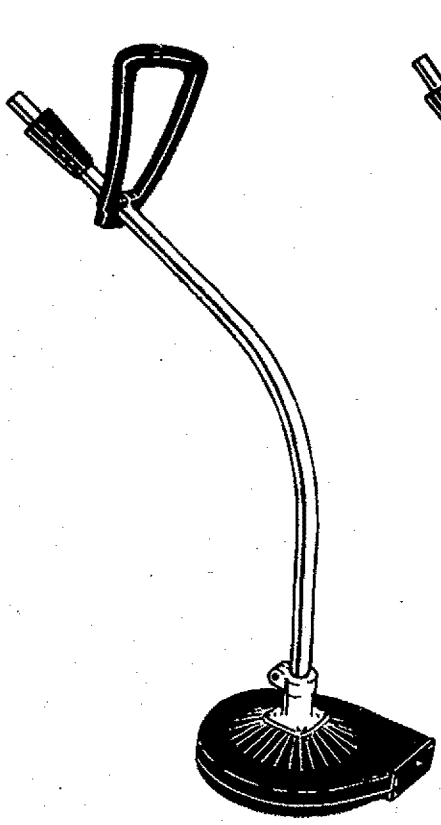
* Contents of Gasket/Diaphragm Kit
\+ Contents of Kwik Repair Kit

ACCESSORIES

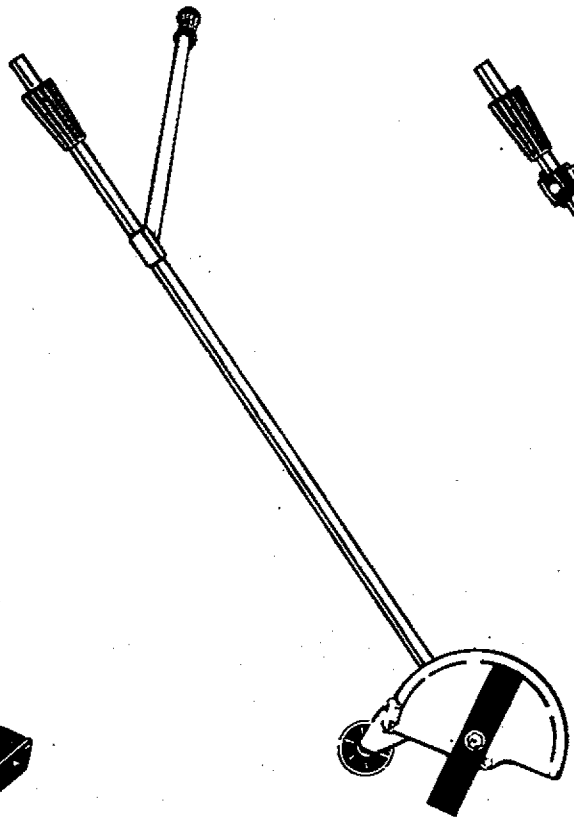
The following accessories are available through Sears Retail Stores, Catalog, Outlets or Service Centers.

ITEM	STOCK NO.
Safety Face Shield	9-18613
Safety Goggles	9-1859
2-Cycle Engine Oil	71-36555
Spark Plug	71-79992
Replacement Trimmer Head	71-85764
Replacement Nylon Trimmer Line	71-85778
Replacement Spool with Line	71-85789
Flex Shaft Lube	30102
Shoulder Strap	71-85783

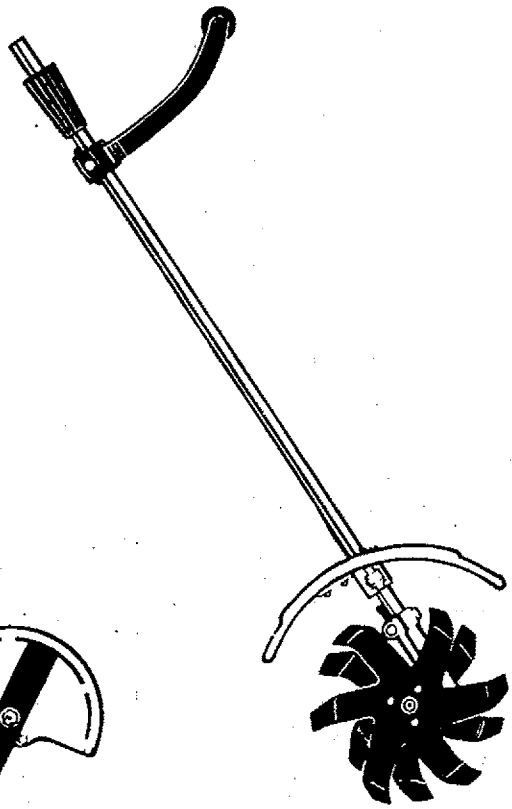
ATTACHMENTS



POWER BLOWER
Model No. 358.795360
Whisks away dust, dirt, leaves, grass, and light snow from walks, driveways and patios. Fast-drys wet, outdoor areas such as patios.



EDGER
Model No. 358.795350
Precisely edges walks, driveways, and curbs. An adjustable depth guide controls depth of cut. Blade is made from high quality steel for strength and wearing ability.



MINI-CULTIVATOR
Model No. 358.795480
Ideal for cultivating gardens, weeding around shrubs, preparing flower beds, and mixing additives into soil. Reaches tight spots where larger tillers can't go. Tines are heat treated for durability.

NOTES

QUICK REFERENCE PAGE

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

SEARS operator's manual

MODEL NO.
358.798141-28.0cc

How to Order Repair parts

SEARS SERVICE
IS AT YOUR SERVICE

The Model Number will be found under the 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 GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST

1. The PART NUMBER
2. The MODEL NUMBER
   358.798141
3. The PART DESCRIPTION
4. The NAME OF ITEM —
   28.0cc 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 something that nobody else can offer. Sears Service.

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

Yours 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.

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