

IMPORTANT MANUAL

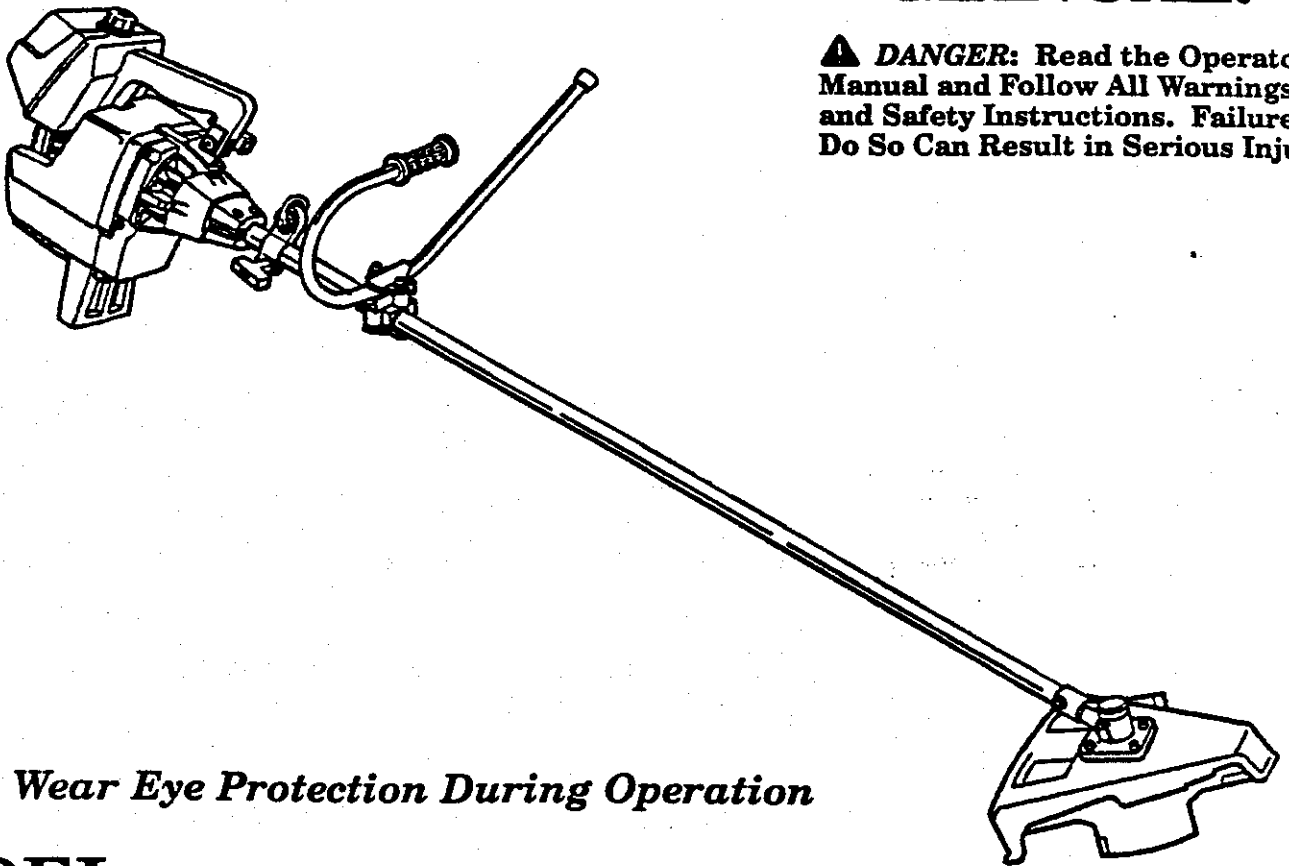
Do Not Throw Away

WEED EATER

TRADEMARK •

OPERATOR'S MANUAL:

▲ DANGER: 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

MODEL:

GTI™ 19T

**GAS POWERED
LINE TRIMMER W/BLADE**

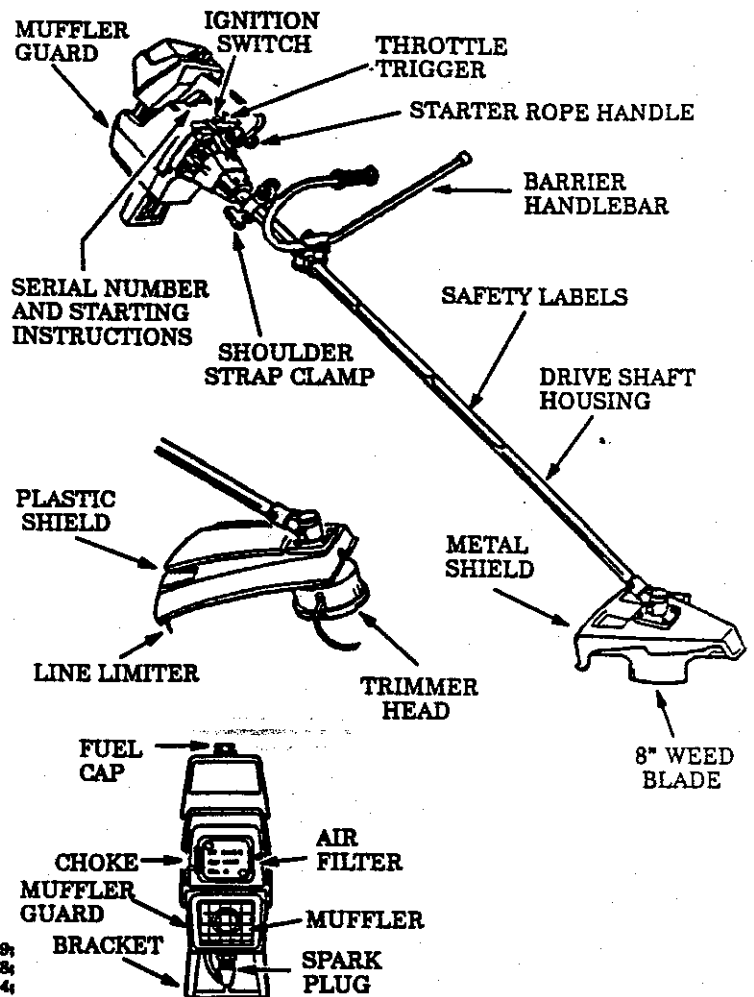
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SPECIFICATIONS

ENGINE TYPE:	2-Cycle, Air Cooled
DISPLACEMENT:	30cc
ENGINE RPM:	Operating—7500 Idle—2600-3400
IGNITION:	Solid State
CARBURETOR:	Diaphragm All Position With Adjustable Fuel Mixture Jets
ENGINE "OFF":	Positive Switch
STARTER:	Auto Rewind
MUFFLER:	Temperature Limiting (not spark arresting)
CUTTING PATH:	18" (as line trimmer)
FUEL TANK:	400cc
SPARK PLUG:	Champion (CJ-14)
SPARK PLUG GAP:	.025"
MODULE AIR GAP:	.010" to .014"
LUBRICATION:	Gasoline/Oil Mixture - 40:1 (see "Fueling Your Engine")
CUTTING LINE:	.080" Dia. WEED LINE® Brand Line
BLADE	4 point 8" Weed Blade



MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS:
 4,035,912; 4,052,789; 4,054,992; 4,067,108; 4,104,797; 4,107,801; 4,112,653; 4,114,269;
 4,124,938; 4,136,446; 4,156,312; 4,156,967; 4,161,820; 4,167,812; 4,168,572; 4, 183,138;
 4,189,833; 4,211,004; 4,211,005; 4,236,312; 4,269,372; 4,269,675; 4,290,200; 4,362,074;
 4,366,622; 4,382,356; 4,451,983; 4,483,069; 4,798,185; 4,823,465; 4,841,929; & 4,940,028.
 OTHER U.S. AND FOREIGN PATENTS PENDING.

SPECIAL NOTICE

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

▲ WARNINGS AND SAFETY INSTRUCTIONS

(See Additional Safety Instructions throughout this Manual)

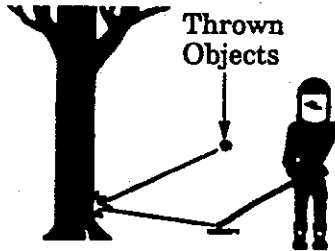
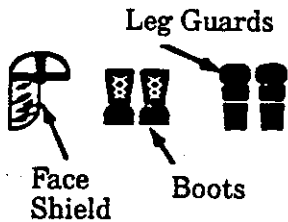
▲ DANGER – THIS POWER TOOL CAN BE DANGEROUS! This tool can cause serious injury including amputation or blindness to the operator and others. The warnings and safety instructions in this manual must be followed to provide reasonable safety and efficiency in using this tool. The operator is responsible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

BLADE CAN THRUST VIOLENTLY AWAY FROM MATERIAL IT DOES NOT CUT.

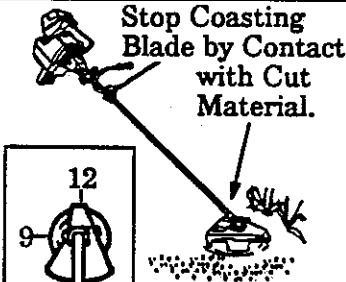
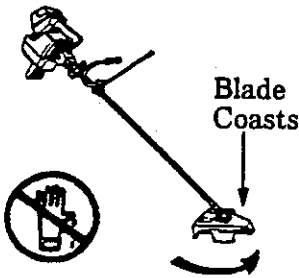
- BLADE THRUST CAN CAUSE AMPUTATION OF ARMS OR LEGS.
- KEEP PEOPLE AND ANIMALS 30 FEET (10 METERS) AWAY.



▲ WARNING

BLADE/TRIMMER LINE CAN THROW OBJECTS VIOLENTLY.

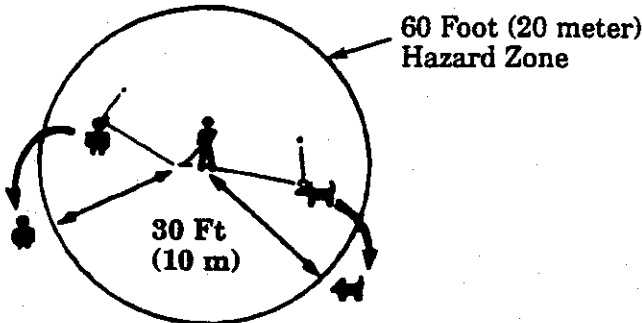
- YOU CAN BE BLINDED OR INJURED.
- WEAR EYE AND LEG PROTECTION.



▲ WARNING

BLADE/TRIMMER LINE CAN THROW OBJECTS VIOLENTLY.

- THE BLADE CAN SERIOUSLY CUT YOU OR OTHERS.
- STOP THE BLADE WITH CUT MATERIAL.



▲ WARNING

HAZARD ZONE FOR THROWN OBJECTS

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



Operator's Manual



Safety Labels

▲ WARNING

READ OPERATOR'S MANUAL.

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

NOTES

WARNINGS AND SAFETY INSTRUCTIONS...(Continued)

▲ OPERATOR SAFETY

1. Always wear a safety face shield or safety goggles. See "Accessories."
2. Always wear heavy, long pants, boots, and gloves. Do not go barefoot or wear short pants, sandals, jewelry, loose clothing, or clothing with loosely hanging straps, ties, tassels, etc.. Secure hair so it is above shoulder length. Being fully covered will help protect you from pieces of toxic plants such as poison ivy thrown by the blade, which could be more of a hazard than touching the plant itself.
3. Do not operate this tool when you are tired, ill or under the influence of alcohol, drugs or medication.
4. Wear hearing protection if you use this tool for more than 1 1/2 hours per day.
5. Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
6. Keep handles free of oil and fuel.
7. Always use the handlebar and a properly adjusted shoulder strap with a blade. See "Assembly."

▲ TOOL SAFETY

8. Inspect entire tool before each use. Replace damaged parts. Check for fuel leaks. Make sure all fasteners are in place and securely fastened.
9. Throw away blades that are bent, warped, cracked, broken, or damaged in any other way. Replace trimmer head parts that are cracked, chipped, or damaged before using the tool.
10. Use only Weed Eater .080" diameter Weed Line brand line. Never use wire, rope, string etc.
11. Install the required shield properly before using the tool. Use the metal shield for all weed blade use. Use the plastic shield for all line trimmer use.
12. Use only the specified blade or trimmer head. Make sure the trimmer head is properly installed and securely fastened. Refer to "Assembly."
13. Be sure blade or trimmer head stops turning when engine idles. See "Carburetor Adjustments."
14. Make carburetor adjustments with the drive shaft housing supported to prevent the blade or trimmer line from contacting any object. Hold the tool by hand; do not use the shoulder strap for support.
15. Keep others away when making carburetor adjustments.
16. Use only genuine Weed Eater accessories as recommended for this tool.

▲ FUEL SAFETY

17. Mix and pour fuel outdoors and where there are no sparks or flames.
18. Use a container approved for fuel.
19. Do not smoke or allow smoking near fuel or the tool or while using the tool.
20. Wipe up all fuel spills before starting engine.
21. Move at least 10 feet (3 meters) away from fueling site before starting engine.
22. Stop engine before removing fuel cap.
23. Empty the fuel tank before storing the tool. Use up fuel left in the carburetor by starting the engine and letting the engine run until it stops.

24. 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

25. Inspect the area to be cut before each use. Remove objects (rocks, broken glass, nails, wire, string, etc.) which can be thrown or become entangled in the blade or trimmer head.
26. Keep others including children, animals, bystanders and helpers outside the 60 foot (20 meter) Hazard Zone. Stop the engine immediately if you are approached.
27. Always keep engine on the right-hand side of your body.
28. Hold the tool firmly with both hands.
29. Keep firm footing and balance. Do not over-reach.
30. Keep blade or trimmer head below waist level.
31. Do not raise the engine above your waist. The blade or trimmer head can come dangerously close to your body.
32. Keep all parts of your body away from the blade, trimmer head, and muffler.
33. Cut from your right to your left.
34. Use only for jobs explained in this manual.

▲ MAINTENANCE SAFETY

35. Maintain the tool according to recommended procedures. Keep the blade sharp and the cutting line at the proper length.
36. Never start engine with the clutch shroud removed. The clutch can fly off and cause serious injury.
37. Disconnect the spark plug before performing maintenance (except for carburetor adjustments).
38. Make carburetor adjustments with the drive shaft housing supported to prevent the blade or trimmer line from contacting any object. Hold the tool by hand; do not use the shoulder strap for support.
39. Keep others away when making carburetor adjustments.
40. Use only genuine Weed Eater replacement parts as recommended.

▲ TRANSPORTING AND STORAGE

41. Hand carry the tool with the engine stopped and the muffler away from your body.
42. Allow the engine to cool, empty the fuel tank and secure the tool before storing or transporting in a vehicle.
43. Empty the fuel tank before storing the tool. Use up fuel left in the carburetor by starting the engine and letting the engine run until it stops.
44. 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.
45. Store tool so the blade or line limiter cannot accidentally cause injury. The tool can be hung by the bracket below the engine or by drive shaft housing.
46. Store tool out of reach of children.

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

KNOW YOUR UNIT

A. INTRODUCTION

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

Special Features Include:

- ComforTouch® Anti-vibration System
- All-Position Carburetor
- Tap-N-Go® Cutting Head
- 18" Cutting Path
- 8 Inch, 4 Point Weed Blade
- Shoulder Strap w/Warning Decal
- Barrier Handlebar

B. UNPACKING INSTRUCTIONS

1. After removing the contents from the carton, check the parts against the list.
2. Examine the parts for damage. Do not use damaged parts.
3. *Notify your WEED EATER dealer immediately if a part is missing or damaged.*

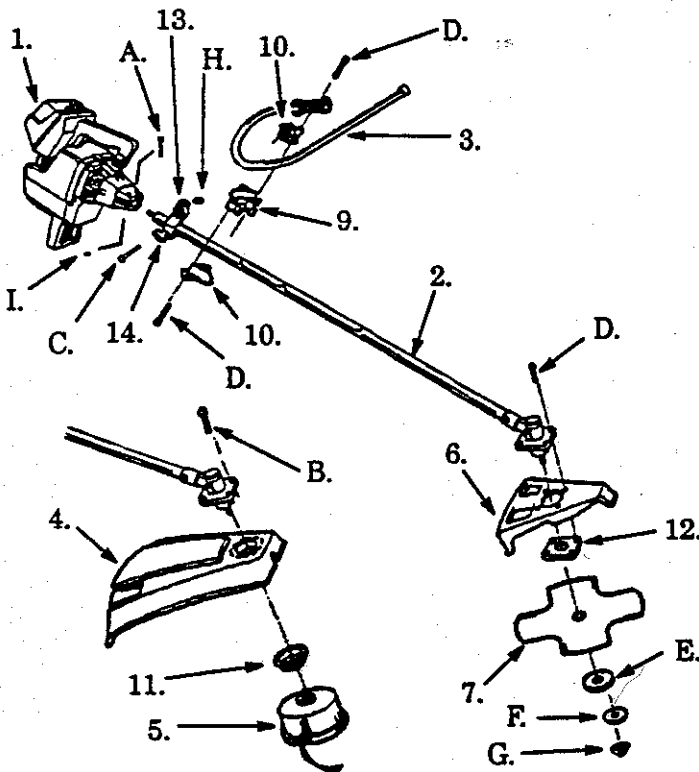
NOTE: It is normal to hear the fuel filter rattle in an empty fuel tank.

C. CARTON CONTENTS

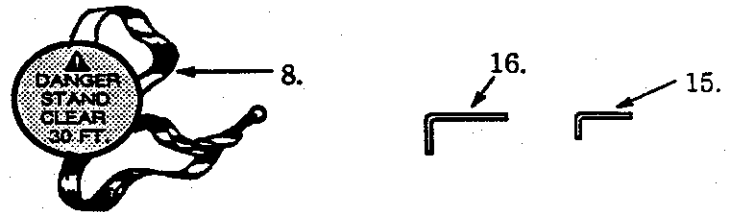
KEY NO.	(QTY)
1. Engine	1
2. Drive Shaft/Bearing Housing Assembly w/Safety Label	1
3. Handlebar	1
4. Plastic Shield - Trimmer Head	1
5. Trimmer Head	1
* 6. Metal Shield - Blade	1
* 7. Weed Blade - 8 inch, 4 point	1
8. Shoulder Strap w/Warning	1
— Operator's Manual (not shown)	1
— Loose Parts Bag (not shown)	1

LOOSE PARTS BAG CONTENTS:

9. Mounting Block - Handlebar	1
10. Mounting Block Cover - Handlebar	2
11. Grass Washer - Trimmer Head	1
12. Retention Plate - Metal Shield	1
13. Shoulder Strap Clamp	1
14. T-Handle - Shoulder Strap Clamp	1
15. Hex Wrench - 5/32"	1
16. Hex Wrench - 3/16"	1
A. Hex Socket Screw - Engine	2
B. Screw - Plastic Shield	4
C. Square Head Screw - T-Handle	1
D. Bolt - Handlebar/Metal Shield	8
* E. Flat Washer - Blade	1
* F. Beveled Washer - Blade	1
* G. Flange Hex Nut - Blade	1
H. Hex Nut - T-Handle	1
I. Lock Nut - Engine	2



⚠ WARNING
Parts marked with * are critical and must be supplied by Weed Eater. Failure to use the proper parts can cause the blade to fly off and seriously injure the operator or others.



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.

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:

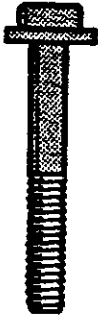
- Hex Wrench(s) provided with tool
- Adjustable Wrench
- Standard Screwdriver

B. HARDWARE USAGE

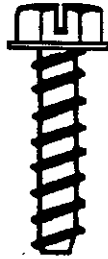
Refer to the Hardware reference letters below during assembly.

NOTE: This Hardware is packaged in the Plastic Bag.

(HARDWARE SHOWN ACTUAL SIZE)



A.
Shroud
Screw



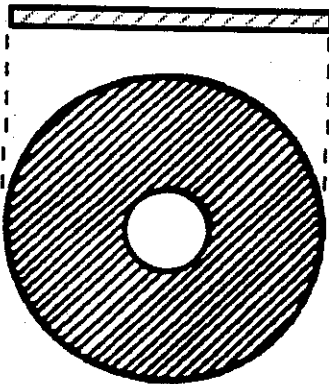
B.
Screw-
Plastic
Shield



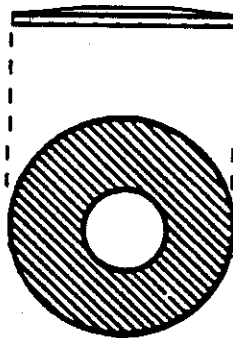
C.
Square
Head
Screw



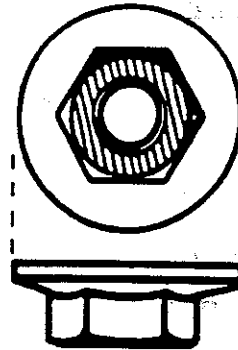
D.
Screw-
Metal Shield and
Handlebar Clamp



E.
Flat Washer



F.
Beveled Washer



G.
Flange Hex Nut



H.
Hex Nut



I.
Lock Nut

Figure 1

C. ASSEMBLY STEPS

1. DRIVE SHAFT HOUSING (Figure 2)

- a. Place the two Screws "A." into the holes on the Clutch Shroud as shown in Figure 2.
- b. Position the Lock-Nuts "I." in the hex opening in the Clutch Shroud.
- c. Tighten the screws with the 5/32" hex wrench (provided) just enough to hold the hardware together while holding the lock-nuts with your other hand.
- d. Remove the packing cover from the Drive Shaft Housing if so equipped.

NOTE: Make sure the Flexible Drive Shaft does not fall out of the Drive Shaft Housing. Dirt on the

Shaft will significantly reduce the life of the tool. If the Flexible Drive Shaft falls out of the Housing, clean, re-lubricate, and re-install. See "Flexible Drive Shaft Lubrication" in the Maintenance section of this manual.

- e. Align the bottom groove on the Drive Shaft Housing with the ridge on the inner, lower wall of the Clutch Shroud opening. Figure 2.
- f. Turn the Arbor Shaft as necessary to align the square end of the Flexible Drive Shaft with the square inside the Clutch Shroud opening.
- g. Firmly push the Drive Shaft Housing into the Clutch Shroud opening until it bottoms out (about 1 1/2 inches).
- h. Tighten Screws "A." alternately until secure. Figure 2.

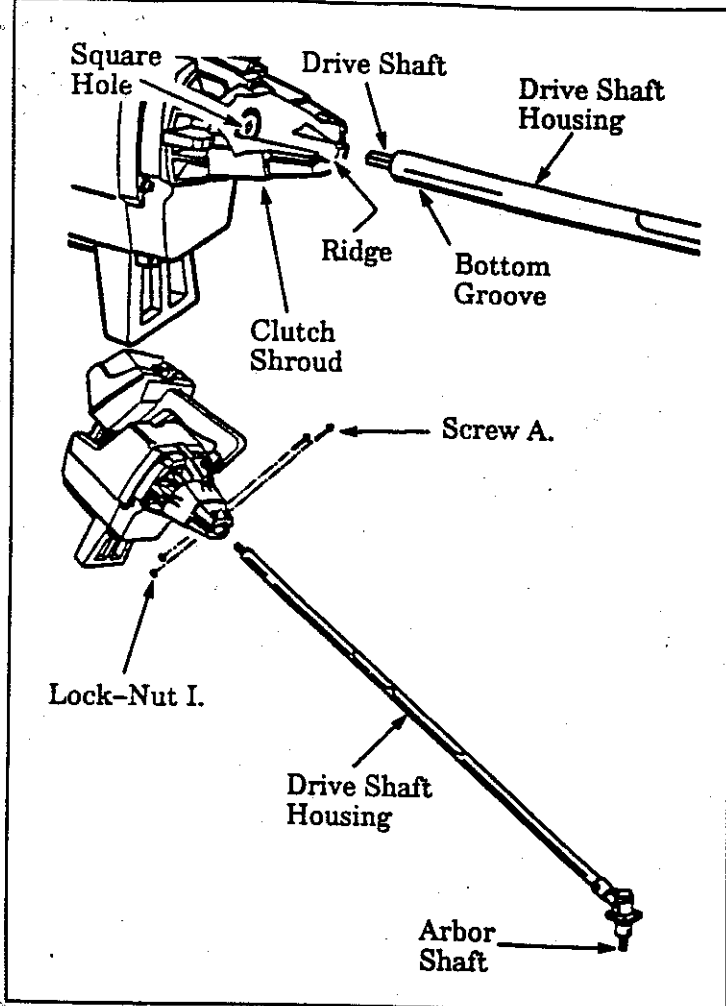


Figure 2

2. HANDLEBAR

▲ WARNING

The handlebar mounting block must be placed above the point of the arrow on the safety labels. The handlebar is a barrier to keep the blade away from the operator's feet.

- Position the Mounting Block on the Drive Shaft Housing above the arrow on the Safety Labels. Figure 3.
- Align the Handlebar with the straight barrier portion to the left and the curved portion to the right as shown in Figure 3.
- Position the short, straight section of the Handlebar in the Mounting Block.
- Place the two Covers as shown in Figure 3.
- Install the four screws "D." one at a time into the clamp assembly and tighten just enough to hold the parts together.
- Position the Handlebar for height as shown in Figure 4.
- Be sure the Handlebar is installed correctly, then tighten each screw securely with the large hex wrench. Figure 3.

▲ WARNING

The Barrier Portion of the Handlebar must be installed as shown in Figure 3 to provide a barrier between the operator and the spinning blade.

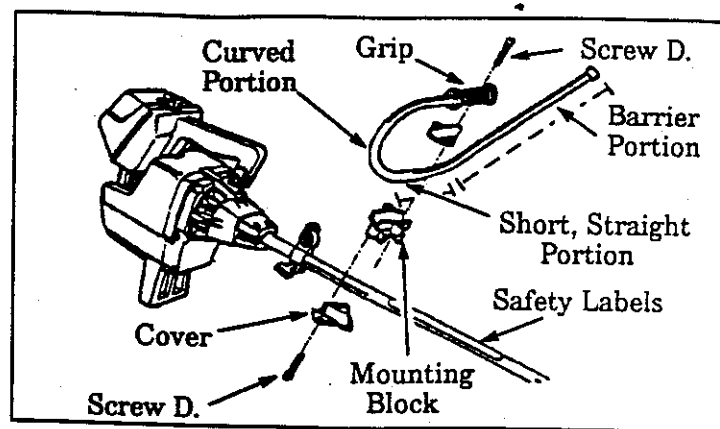
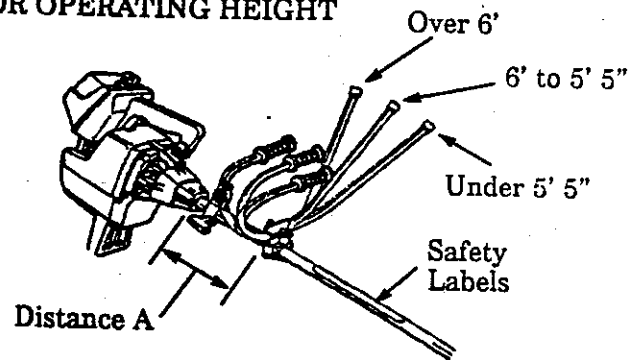


Figure 3

POSITION HANDLEBAR FOR OPERATING HEIGHT



Operator's Height	Distance A
Less than 6 feet	4 inches
6 feet & over	2 inches

Figure 4

3. 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 the shield in the position shown in Figure 5 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 the shield toward the engine.

NOTE: If your unit is equipped as a blade trimmer, remove the Metal Shield and Blade before installing the Plastic shield and Trimmer Head.

- Remove the packing cover from the Arbor Shaft (if so equipped), then remove the dust cup.
- Place the Shield under the Gear Box and align screw holes. Figure 5.

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

- Insert the four Plastic Shield Screws "B." (one at a time) through the Gear Box into the shield.
- Tighten the Screws evenly and securely.

- e. Install the Dust Cup and Grass Washer over the Arbor shaft. Make sure the Grass Washer is against and curved over the dust cup. Figure 5 .
- f. Start threading the Trimmer Head onto the Arbor Shaft as shown in Figure 5 .
- g. Align the hole in the Dust cup with the hole in the center front of the Gear Box by turning the Dust Cup.
- h. Insert the small hex wrench (provided) into the aligned holes to keep the Arbor Shaft from turning. Figure 5 (inset).
- i. Tighten the Trimmer Head against the Washer and Dust Cup while holding the hex wrench.
- j. Remove the hex wrench.

NOTE: To remove the Trimmer Head, insert the hex wrench into the aligned holes in the Dust Cup and Gear Box. Unthread the Trimmer Head. Be sure to store the Grass Washer, Plastic Shield, 4 Shield Screws, and Hardware with the Trimmer Head for future use.

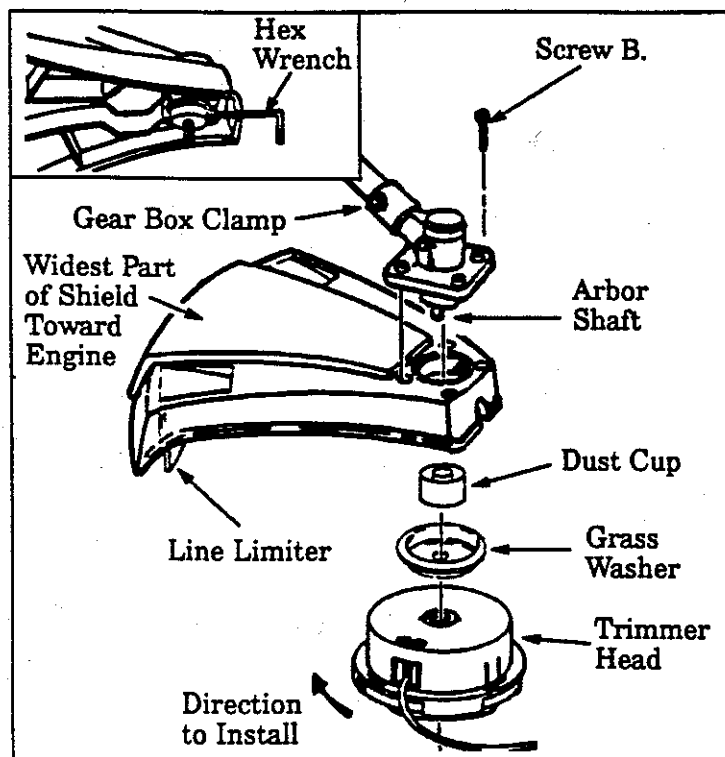


Figure 5

4. SHOULDER STRAP CLAMP

- a. Align Shoulder Strap Clamp between Handlebar Mounting Block and Engine. Figure 6 .
- b. Firmly push the Shoulder Strap Clamp onto the Drive Shaft Housing. Figure 6 . Be sure that the Shoulder Strap Clamp is installed with the hex shaped recession (on the clamp) facing the same side of the Drive Shaft Housing as the Barrier Portion of the Handlebar.
- c. Drop the threaded end of the square-head T-Handle Screw "C." through the opening in the top of the T-Handle. Figure 7 .
- d. Pull on the threaded end of the Screw to bring the square head of the Screw past the pin inside the T-Handle. Figure 7 .
- e. Seat the Nut "H." in the hex-shaped recession on the back side of the Shoulder Strap Clamp.
- f. Insert the threaded end of the T-Handle screw through the hole in the Shoulder Strap Clamp and tighten firmly by hand only.

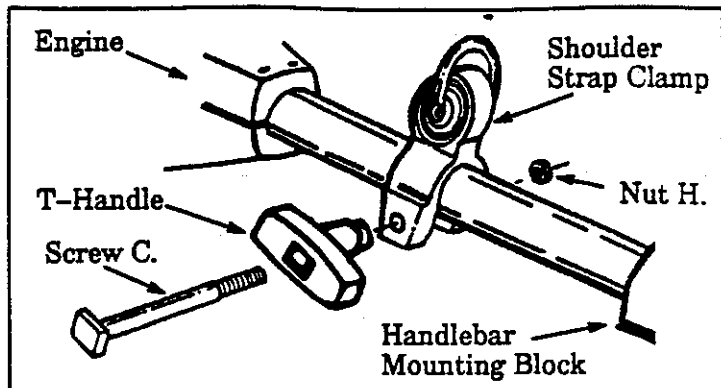


Figure 6

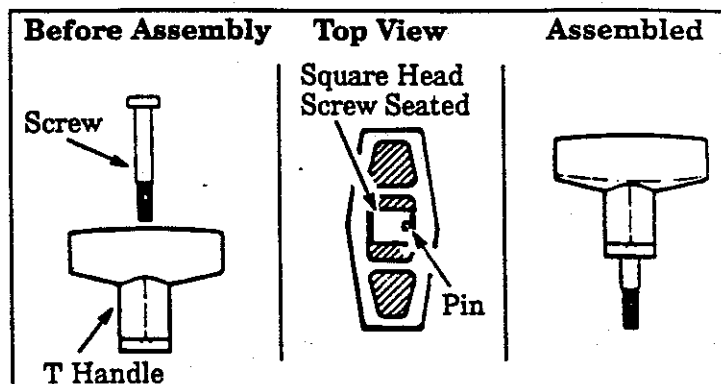


Figure 7

5. SHOULDER STRAP

▲ WARNING

Proper shoulder strap and handlebar adjustments before starting the engine are required for safe and efficient use.

- a. Try on Shoulder Strap and adjust for fit and balance before starting the engine and beginning a cutting operation.
- b. Place Shoulder Strap on your left shoulder with the Danger Sign on your back and hook to the right side of your waist. Figure 8 .

NOTE: A one-half twist is built in the shoulder strap to allow the strap to rest flat on the shoulder.

- To make sure the strap rests flat on your body, place the double portion across your front and the single portion across your back.
- c. Adjust the Strap so that the hook will be about 10 inches below the waist when the hook is attached to the Shoulder Strap.
 - d. Fasten the Shoulder Strap hook to the clamp and lift the tool to the operating position. Figure 8 .
 - e. Check for the following:
 1. Left arm extended, hand holding handlebar grip.
 2. Right hand holding Top Handle, fingers on Throttle Trigger.
 3. Engine below waist level.
 4. Shoulder Strap pad centered on left shoulder.
 5. Danger sign centered on your back.
 6. Full weight of tool on left shoulder.
 7. Without operator bending over, the Blade or Trimmer Head is near and parallel to the ground and easily contacts material to be cut.

- f. Modify these initial adjustments as necessary for comfort and control but do not locate the Handlebar Mounting Block below the point of the arrow on the Safety Labels. Do not locate the Shoulder Strap Clamp in any position other than between the Engine and Handlebar Mounting Block.

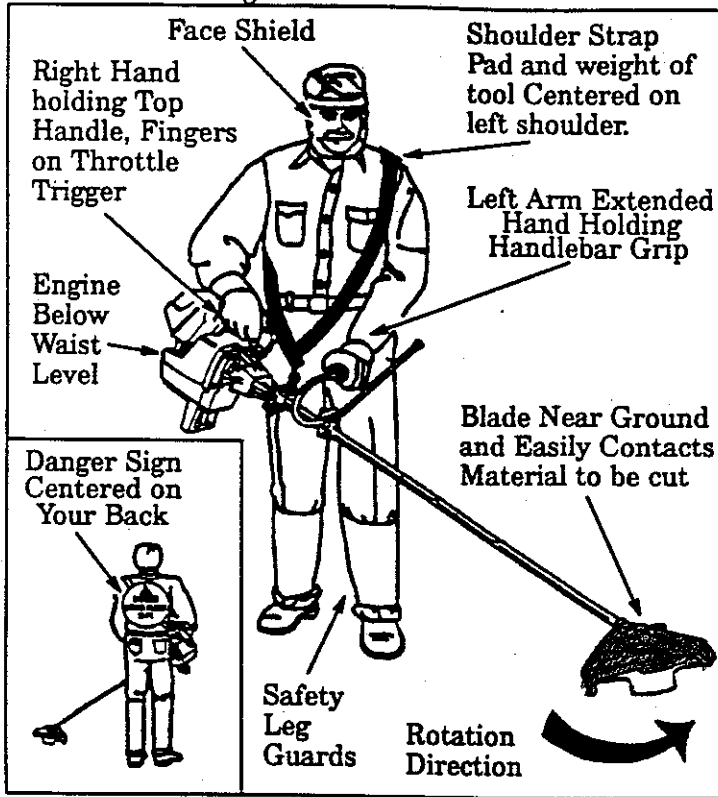


Figure 8

6. FOR WEED BLADE USE

▲ DANGER

The metal shield and metal handlebar must be properly installed on the tool anytime the tool is used with the blade. The forward tip on the metal shield helps to reduce the occurrence of blade thrust which can cause serious injury such as amputation to the operator or bystanders.

▲ WARNING

Failure to install the shield in the position shown in Figures 9 and 8 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 the shield toward the engine.

NOTE: If your unit is equipped as a line trimmer, remove the trimmer head and plastic shield before installing the metal shield and blade. Be sure to store parts for future use.

- Remove the packing cover from the Arbor Shaft if so equipped.
- Install the Dust Cup over the Arbor Shaft.
- Position the Retention Plate on the underside of the Metal Shield and align screw holes. Make sure the flat side of the Plate is against the shield.
- Hold the Retention Plate in position and place the metal Shield under the Gear Box. Align screw holes. Figure 9.
- Insert the four Metal Shield Screws "D." (one at a time) through the Gear Box, Shield, and Retention Plate. Figure 9.

- Tighten the Screws evenly and securely with a hex wrench.
- Install the Blade over Arbor Shaft, making sure the hole in the center of the Blade is fitted around the raised center step on the Dust Cup. Figure 9.
- Install the large Flat Washer "E.", Beveled Washer "F.", and Hex Flange Nut "G." as shown in Figure 9. Be sure Beveled Washer "F" is installed as shown in Figure 9 (inset).
- Align the hole in the Dust Cup with the hole in the side of the Gear Box by turning the Arbor Shaft. Figure 9.
- Insert the large hex wrench (provided) into the aligned holes to keep the Arbor Shaft from turning. Figure 9 (inset, upper left).
- Tighten the Hex Flange Nut firmly with a wrench while holding hex wrench in position.
- Remove the hex wrench.
- Turn Blade by hand. If the Blade binds against the Shield, the Blade is not centered. Reinstall the Blade.
- Proceed to "Shoulder Strap" instructions, this section.

NOTE: To remove the Blade, insert the large hex wrench into aligned holes. Un-thread the Hex Flange Nut and remove parts. Be sure to store the Retention Plate, hex Flange Nut, Beveled Washer, Flat Washer, 4 Shield Screws, and Metal Shield with the Blade for future use.

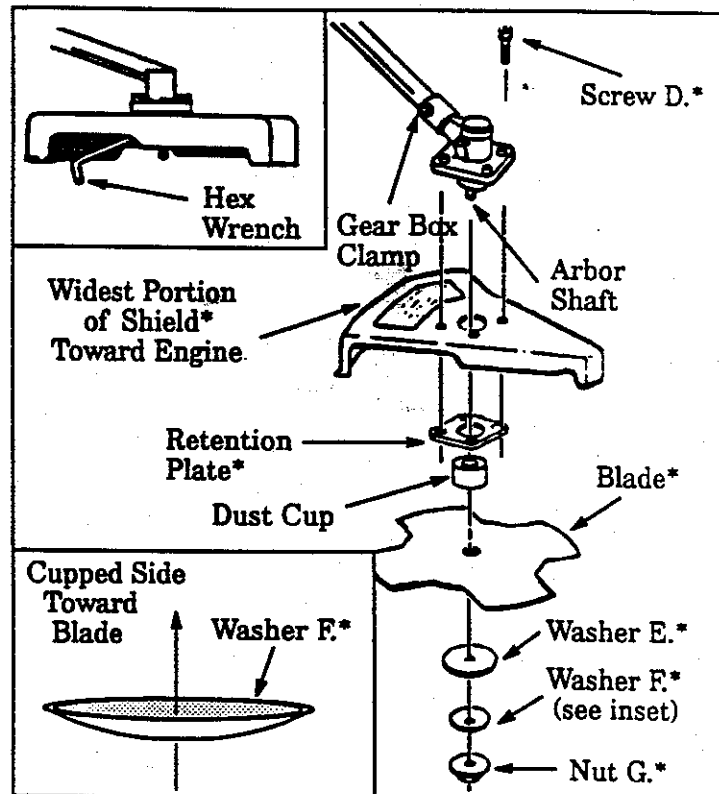


Figure 9

▲ WARNING

Parts noted with * are critical and must be supplied by Weed Eater. Failure to use proper parts can cause the blade to fly off and seriously hurt you or others.

ENGINE INFORMATION

A. FUELING YOUR ENGINE

1. FUEL SAFETY

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

- a. 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, air cooled engine requires lubrication of moving parts. Lubrication is provided when the recommended mixture of gasoline and oil is used.
- b. Genuine Poulan, Poulan Pro, or Weed Eater 40:1, 2-cycle air-cooled engine oil is strongly recommended for the protection of your unit. Extensive engineering tests have proven that Poulan, Poulan Pro, or Weed Eater 2-cycle air-cooled engine oil resists break-down at operating temperatures common to 2-cycle engines, resulting in dependable performance and longer engine life.
- c. Gasoline must be clean and not over two months old. After a short period of time, gasoline will chemically break down and form compounds that cause hard starting and damage in 2-cycle engines.

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

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

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

3. USE THE FOLLOWING:

Poulan, Poulan Pro, or Weed Eater 40:1, 2-cycle air-cooled engine oil is strongly recommended. Any other Poulan, Poulan Pro, or Weed Eater brand 2-cycle air-cooled engine oil is acceptable when mixed according to the instructions on the container.

If Poulan, Poulan Pro, or Weed Eater 2-cycle air-cooled engine oil is not available, use a good quality two cycle, air-cooled engine oil mixed at a ratio of 16:1 (8 oz. oil to 1 gallon gasoline).

4. DO NOT USE:

- a. **NMMA OIL** (National Marine Manufacturer's Association) formerly BIA oil
Does not have proper additives for air-cooled, 2-cycle engines and can cause engine damage.
- b. **AUTOMOTIVE OIL**
Does not have proper additives for air-cooled, 2-cycle engines and can cause engine damage.

5. HOW TO MIX FUEL AND FILL TANK

- a. Pour the proper measure of engine oil into an approved, marked container. Do not mix gasoline and oil directly in the fuel tank.
- b. Using a spout or funnel, fill the tank with regular unleaded gasoline.
- c. Reinstall the fuel cap securely.

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

B. PRE-OPERATION CHECKS

▲ WARNING

Review all Warnings and Safety Instructions in this manual.

1. Before operating your tool, always:

- 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. Throw away blades that are bent, warped, cracked, broken, or damaged in any other way. Replace trimmer head parts that are cracked, chipped, or damaged before using the tool.
- c. Use only Weed Eater .080" diameter Weed Line. Never use wire, rope, string, etc.
- d. Use only with the correct shield properly attached.

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

C. STARTING INSTRUCTIONS

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

1. Before starting the Engine:

- Fuel engine. Move 10 feet (3 meters) away from fueling site.
- When using your unit as a line trimmer, extend line approximately 4 inches from trimmer head to provide adequate load on engine.

▲ DANGER

The blade or trimmer head will turn while starting engine.

- Rest Engine and Shield on ground, supporting blade or trimmer head off ground away from trees, bushes, onlookers, etc. Figure 10 .
 - When using a blade, place the shoulder strap on your shoulder. *Start engine before lifting tool to operating position or clipping Shoulder Strap to tool.*
- ### 2. For a Cold Engine or a Warm Engine after running out of fuel:
- Move Ignition switch to "On." Figure 11 .
 - Move Choke to "full" position. Figure 12 .
 - Grasp top handle and squeeze throttle trigger fully. *Keep throttle trigger fully squeezed until engine runs smoothly (through step "g.")*
 - Pull starter rope sharply until engine attempts to run, but no more than 8 pulls at full choke to avoid flooding the engine. *The "attempt to run" may be hard to hear. The operator must listen carefully. After 8 pulls, proceed to step "e." even if the engine has not attempted to run.*
 - Move Choke to "half" position. Figure 12 .
 - Pull the Starter Rope sharply until the engine runs, but no more than 5 pulls.

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

- Allow engine to run 5 seconds, then push Choke to "off" position. Figure 12 . *Keep Throttle Trigger squeezed until engine runs smoothly.*

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

NOTE: If engine does not start, pull Starter Rope 5 more pulls. If engine still does not run, it is probably flooded. Wait a few minutes and repeat procedure with Choke at "off" position. Figure 12 .

▲ WARNING

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

3. For a Warm Engine:

- Move ignition switch to "On." Figure 11 .
- Move choke lever to the "Off" position.
- Grasp top handle and squeeze throttle trigger fully.
- Pull Starter Rope sharply until engine runs, but no more than 5 pulls. *Keep Trigger fully squeezed until engine runs smoothly.*

NOTE: If engine does not start after 5 pulls, it is probably flooded. Wait a few minutes and repeat procedure with Choke at "off" position. Figure 12 .

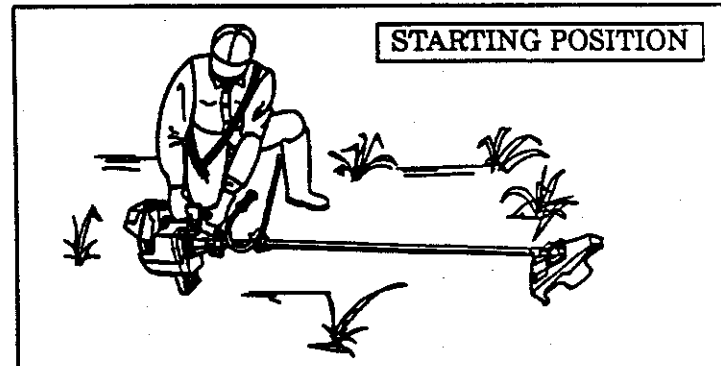


Figure 10

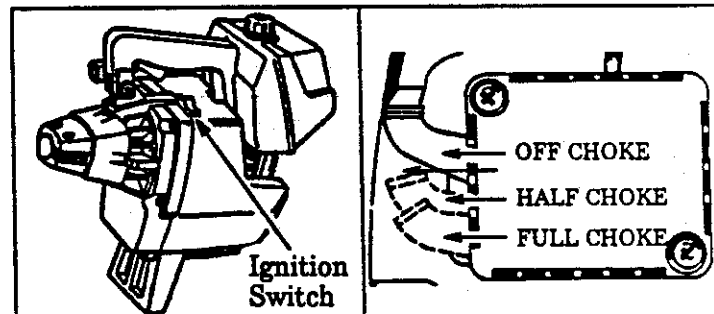


Figure 11

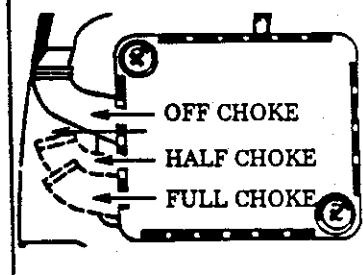


Figure 12

NOTES

D. OPERATING INSTRUCTIONS

1. When using the Blade, bring the engine to full throttle before entering the material to be cut. The Blade has maximum cutting power at full throttle and is less likely to bind, stall, or cause blade thrust, which can result in serious injury to the operator or others. Refer to the "Guard Against Blade Thrust" section.
2. When using the Trimmer Head, 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.
3. If the Blade or 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 the "Assembly-Drive Shaft Housing" section.
4. Always release the Throttle Trigger and allow engine to return to idle speed when not cutting.
5. The Blade or Trimmer Head must not turn when the engine runs at idle speed. If the Blade or Trimmer Head on your unit turns when the engine is at idle speed, refer to the "Trouble Shooting Chart."
6. To stop engine:
 - a. Release the Throttle Trigger.
 - b. Move the Ignition Switch to the "Off" position. Figure 11.
 - c. Stop the blade by allowing the "9 o'clock" position to contact cut material. Figure 13 (inset).

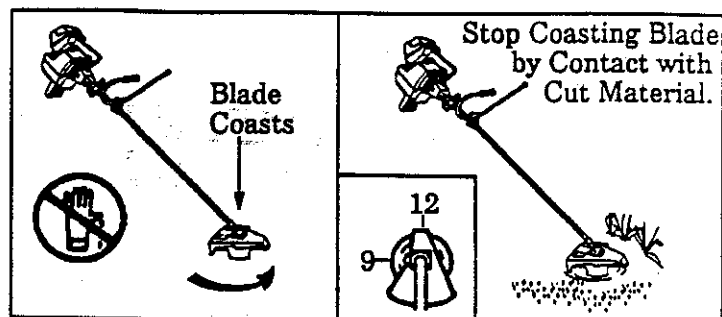


Figure 13

⚠ WARNING

The blade continues to spin after the engine is turned off. The coasting blade can throw objects or seriously cut you if accidentally touched. Stop the blade by contacting the left-hand side of the coasting blade with material already cut.

⚠ WARNING

Stop engine and blade before removing materials wrapped around the blade shaft to avoid injury.

⚠ WARNING

The operator or others must not try to clear away cut material with the engine running or the blade turning to avoid serious injury.

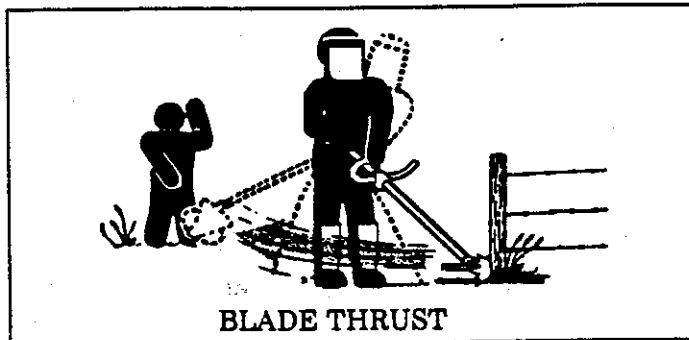
NOTES

USING YOUR TOOL AS A WEEDCUTTER

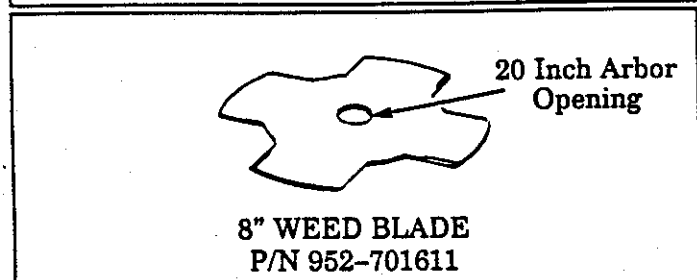
(The 8 inch Weed Blade is designed to cut grass, weeds and woody brush up to 1/2 inch diameter.)

▲ DANGER - THIS POWER TOOL CAN BE DANGEROUS!

This tool can cause serious injury including amputation or blindness to the operator and others. The warnings and safety instructions in this manual must be followed to provide reasonable safety and efficiency in using this 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 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 - BLADE THRUST** When the spinning blade contacts anything it cannot cut, a dangerous reaction can occur causing the entire tool and operator to be thrust violently in any direction. This reaction is called *Blade Thrust*. As a result, the operator can lose control of the tool. **Use handlebar, shoulder strap, and keep shield in place. Make sure others are at least 30 feet (10 meters) away. Keep blade sharp. Cut at full throttle and from your right to left. Keep hands, feet and tool in proper position; refer to "Guard Against Blade Thrust."**



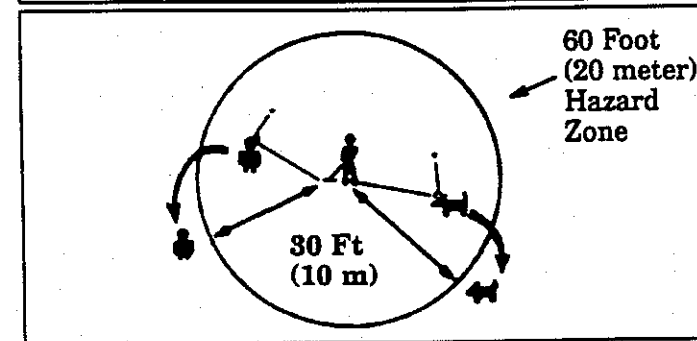
▲ DANGER - PROPER BLADE

Use only the 4 point, 8 inch Weed Blade and proper hardware as shown. The use of any other parts can result in serious injury. **Do not use any accessory or attachment other than those recommended by the manufacturer for use with this tool. Blades that are bent, warped, cracked, broken, or damaged can fly apart and cause serious injury. Do not use. Throw away.**



▲ WARNING - THROWS OBJECTS

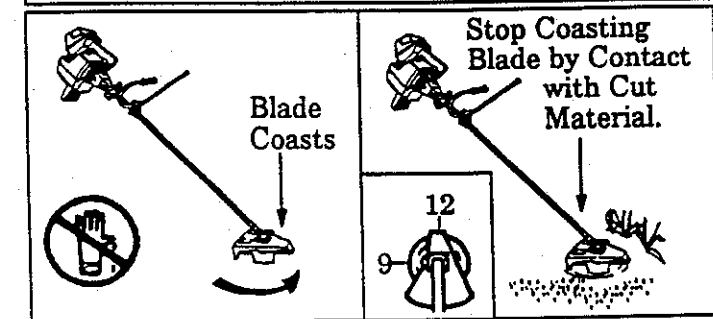
The rapidly moving blade causes objects to be thrown violently. The shield will not provide complete protection to the operator or others. The operator must wear a safety face shield or goggles. Always wear safety leg guards and boots. **Keep others at least 30 feet away.**



▲ WARNING - HAZARD ZONE

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

NOTE: In areas where other people and animals are present, such as near sidewalks, streets, houses, etc., it is strongly recommended that the operator use the buddy system; that is, have another person serve as a "look out," keeping himself and others at least 30 feet (10 meters) away from the operator.



▲ WARNING - COASTING BLADE

The blade continues to spin after the engine is stopped or the throttle is released. The coasting blade can thrust, throw objects, or seriously cut you if accidentally touched. **Stop the blade by leaving it in contact with material already cut. Use the "9 o'clock" position as the point of contact.**

A. BLADE 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 go barefoot or wear short pants, sandals, jewelry, loose clothing, or clothing with loosely hanging straps, ties, tassels, etc.. Secure hair so it is above shoulder length. Being fully covered will help protect you from pieces of toxic plants such as poison ivy thrown by the blade, which could be more of a hazard than touching the plant itself.
- c. Do not operate this tool when you are tired, ill or under the influence of alcohol, drugs or medication.
- d. Always use the handlebar and a properly adjusted shoulder strap. See "Assembly."
- e. Do not swing the tool with such force that you are in danger of losing your balance.
- f. Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
- g. Keep handles free of oil and fuel.

2. TOOL

- a. Inspect the entire tool before each use. Replace damaged parts. Check for fuel leaks and make sure all fasteners are in place and securely fastened.
- b. Be sure the metal shield is properly attached. The metal shield *must* be installed for all blade usage.

- c. Make sure the blade is properly installed and securely fastened. Refer to "Assembly."
- d. Be sure the blade stops turning when the engine idles. See "Trouble Shooting Chart."
- e. Make carburetor adjustments with the drive shaft housing supported to prevent the blade from contacting any object. Hold tool by hand; do not use the shoulder strap for support.
- f. Keep others away when making carburetor adjustments.

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 blade.
- b. Always keep the engine on the right side of your body. Hold the tool firmly with both hands.
- c. Keep firm footing and balance. Do not over-reach.
- d. Keep blade below waist level.
- e. Do not raise the engine above your waist. The blade can come dangerously close to your body.
- f. Cut at full throttle.
- g. Cut from your right to left.
- h. Use only for jobs explained in this manual. Do not use the blade as an edger. The shield does not provide adequate protection.

B. GUARD AGAINST BLADE THRUST

- *Blade Thrust* is a reaction that only occurs when using a bladed tool. This reaction can cause serious injury such as amputation. Carefully study this section. It is important that you understand what causes *blade thrust*, how you can reduce the chance of *blade thrust* occurrence, and how you can remain in control of the tool if *blade thrust* occurs.
- The forward tip on the shield helps to reduce the occurrence of *blade thrust* but cannot prevent the occurrence. The operator must follow the warnings and safety instructions in this section to lessen the chance of *blade thrust* occurring and to maintain control of the tool if the reaction does occur.

1. **WHAT CAUSES BLADE THRUST?** *Blade Thrust* can occur when the spinning blade contacts an object that it cannot cut. This contact causes the blade to stop for an instant and then suddenly move or "thrust" away from the object that was hit. The "thrusting" reaction can be violent enough to cause the operator to be propelled in any direction and lose control of the tool. The uncontrolled tool can cause serious injury if the blade contacts the operator or others. Figure 14.

2. **WHEN BLADE THRUST OCCURS.** *Blade thrust* can occur without warning if the blade snags, stalls, or binds. This is more likely to occur in areas where it is difficult to see the material being cut. By using the tool properly, the occurrence of *blade thrust* will be reduced and the operator will be less likely to lose control.

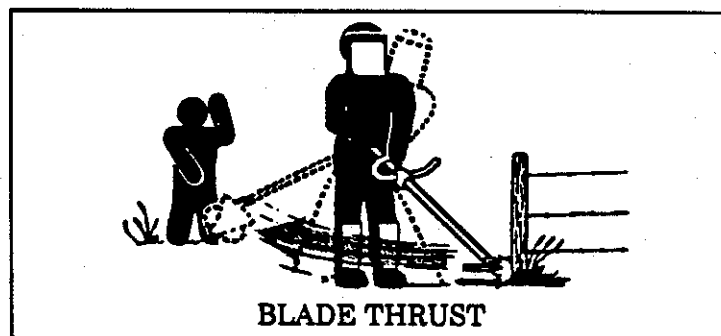


Figure 14

3. **REDUCE THE CHANCE OF BLADE THRUST.**
 - a. Cut only grass, weeds and woody brush up to 1/2 inch diameter. Do not let the blade contact material it cannot cut such as stumps, rocks, fences, metal, etc., or clusters of hard, woody brush having a diameter greater than 1/2 inch.
 - b. Keep the blade sharp. A dull blade is more likely to snag.
 - c. Cut only a full throttle. The blade has maximum cutting power at full throttle and is less likely to bind or stall.
 - d. "Feed" the blade deliberately and not too rapidly. The blade can thrust away if it is fed too rapidly.
 - e. Cut only from your right to left. Swinging the tool in the same direction as the blade spins increases the cutting action.

4. MAINTAIN CONTROL

- a. Use the shoulder strap and keep a firm grip on the tool with both hands. A properly adjusted shoulder strap will support the weight of the tool, freeing your arms and hands to control and guide the cutting motion.
- b. Keep feet comfortably spread apart and braced for the possibility of a sudden, rapid thrust of the tool. Do not overreach. Keep firm footing and balance.

- c. Keep the blade below waist level. It will be easier to maintain control of the tool.
- d. Do not raise the engine above your waist as the blade can come dangerously close to your body.
- e. Do not swing the tool with such force that you are in danger of losing your balance.

C. CUTTING METHODS

1. Establish a rhythmic cutting procedure.
 - a. Plant feet firmly, comfortably apart.
 - b. Cut while swinging the upper part of your body from right to left.
 - c. Move forward to the next area to be cut after the return swing and plant feet once more.
2. Use the 8 o'clock to 10 o'clock position for cutting. Figure 15.
3. Stop the engine and blade, then unclip the shoulder strap from the tool before clearing cut material.
4. To reduce the chance of material wrapping around the blade, follow these steps:
 - a. Cut at full throttle.
 - b. Swing the tool into material to be cut from your right to left.
 - c. Avoid the material just cut as you make the return swing.

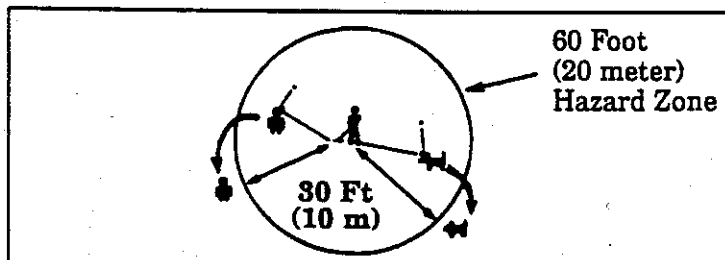
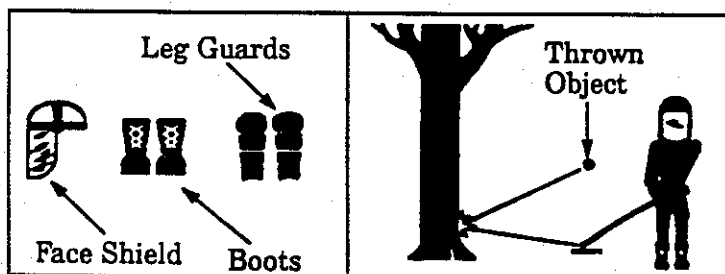
▲ WARNING
Stop engine and blade before removing materials wrapped around the blade shaft to avoid injury.



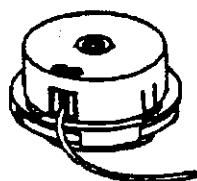
Figure 15

▲ WARNING
The operator or others must not try to clear away cut material with the engine running or the blade turning to avoid serious injury.

USING YOUR TOOL AS A LINE TRIMMER



Tap-N-Go™ Trimmer Head #952-701643



Use Only Genuine
Weed Eater
Replacement Parts

▲ WARNING—THROWS OBJECTS

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

▲ WARNING – HAZARD ZONE

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

▲ WARNING – DAMAGED TRIMMER HEAD

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

A. TRIMMER SAFETY

1. OPERATOR

- a. Always wear a face safety shield or goggles. See "Accessories."
- b. Always wear heavy, long pants, boots, and gloves. See "Accessories." Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. Secure hair so it is above shoulder length.
- 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 .080" diameter WEED LINE. Never use wire or rope, string, etc.
- c. Be sure the plastic shield is properly attached. The plastic shield *must be* installed for all line trimmer usage.
- d. Make sure the trimmer head is properly installed and securely fastened. Refer to "Assembly."

- e. Be sure trimmer head stops turning when 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 tool by hand; do not use the shoulder strap for support.
- g. Keep others away when making carburetor adjustments.
- h. Use only genuine Weed Eater accessories or attachments as recommended.

3. CUTTING

- a. Inspect the area to be cut before each use. Remove objects (rocks, broken glass, nails, wire, string, etc.) which can be thrown or become entangled in the trimmer head.
- b. Always keep the engine on the right-hand side of your body.
- c. Hold the tool firmly with both hands.
- d. Keep firm footing and balance. Do not over-reach.
- e. Keep the trimmer head below waist level.
- f. Do not raise the engine above your waist.
- g. Keep all parts of your body away from the trimmer line and muffler when the engine is running.
- h. Use only for jobs explained in this manual.

B. LINE ADVANCE

- The trimmer line will advance approximately 2 inches each time the bottom of the trimmer head is tapped on the ground with the engine running at full throttle.
- The most efficient line length is the maximum length allowed by the line limiter.
- Always keep the shield in place when the tool is being operated. Figure 16.

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. See Figure 16. Approximately 2 inches of line will be advanced with each tap.

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

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

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

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

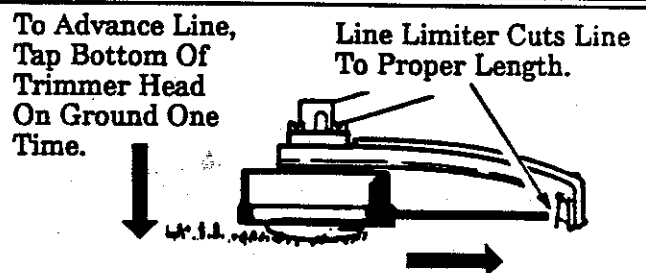


Figure 16

