

MODEL NO. 51440C-9900001
& UP**OPERATOR'S
MANUAL****TORO® TRIMMER 1410**

To assure optimum performance, and to gain knowledge of the Trimmer, it is essential that you or any other operator of the Trimmer read and understand the contents of this manual before operating Trimmer. Pay particular attention to the instructions highlighted by the black safety symbol. Failure to comply with the safety instructions may result in personal injury.

1. Read and understand Operator's Manual before using Trimmer. Be thoroughly familiar with proper use of the Trimmer.
2. Never allow children to operate the Trimmer. It is not a toy. Never allow adults to operate unit without first reading the Operator's Manual.
3. Always wear safety glasses or other suitable eye protection.
4. Never operate the Trimmer in wet or damp conditions.
5. Do not use in rain.
6. Thoroughly inspect area where Trimmer will be used before operating. Keep area of operation clear of all persons, particularly small children and pets.
7. Dress properly — do not wear loose clothing or jewelry. They can be caught in moving parts. Always wear substantial footwear and long pants.
8. Use the right appliance — do not use the appliance for any job except that for which it was intended.
9. To prevent shock hazard, use only with an extension cord suitable for outdoor use. You may obtain extension cords from your TORO retailer.
10. Extension cord — to prevent disconnection of the power supply cord from the extension cord during operation, properly connect extension cord with pigtail power cord.
11. Avoid unintentional starting — do not carry plugged-in Trimmer with finger on switch.
12. Don't abuse cord — never yank

cord to disconnect from receptacle. Keep cord away from heat, oil and sharp edges. Replace damaged cords.

13. Don't force the Trimmer — it will do the job better and safer at the rate for which it was designed.

14. Use only in daylight or with good artificial light. Always be sure of your footing; keep a firm hold on the handle and walk, never run.

15. Stop the motor and unplug the supply cord whenever you leave the Trimmer, before cleaning the housing and when making any repairs or inspections.

16. When not in use, store your Trimmer in a dry place out of the reach of children.

17. Keep all fasteners tight to be sure the Trimmer is in safe working condition.

18. Never operate without proper guards or other protective safety devices in place.

19. Do not put hands or feet near or under rotating parts. Keep clear at all times.

20. If the Trimmer should start to vibrate abnormally, stop the motor and check immediately for the cause. Vibration is generally a warning of trouble.

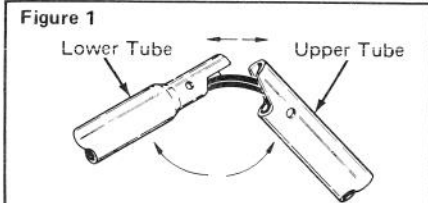
21. Do not operate your TORO Trimmer after it has been dropped or damaged. Return it to your nearest authorized service dealer for inspection and repair.

22. When servicing, use only identical replacement parts.

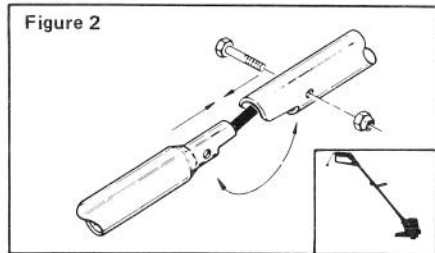
Assembly Instructions

SECURE UPPER AND LOWER TUBES

1. Remove and discard shipping bushings secured to upper and lower handle tubes. Inspect the open internal wiring, if damaged do not assemble; contact your service dealer.
2. Pivot tube ends until aligned (Fig. 1).

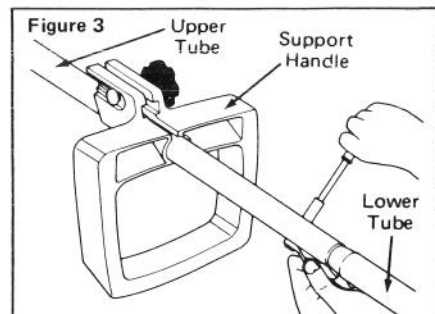


3. Slide lower tube into upper tube and align screw holes (Fig. 2). Check alignment of handgrip and housing (Fig. 2, insert).



CAUTION: Internal wiring may interfere with installation of capscrew. With blunt object such as a punch, carefully route internal wiring away from aligned holes.

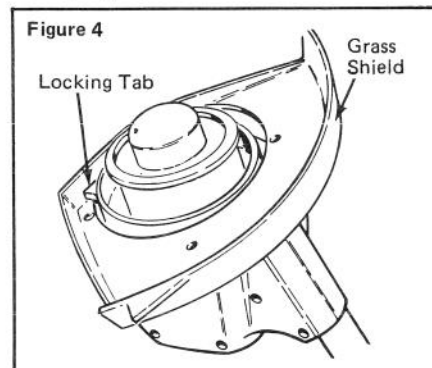
4. Secure with capscrew and locknut and tighten until all play between tubes is eliminated (Fig. 3).



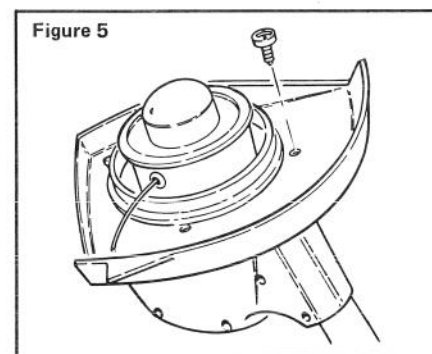
5. Support handle may now be adjusted to desired operating position by loosening black knob, sliding handle to desired height and retightening (Fig. 3).

Installing Grass Shield

1. Place grass shield over trimmer head assembly.
2. Tilt grass shield so that front side of shield is under locking tab. Slide shield back (Fig. 4).



3. Push back side of grass shield down and align screw holes. Secure with screws.
4. Remove tape from cutoff blade.



CAUTION: Grass shield should be kept on Trimmer to prevent foreign material or debris from being thrown into operator zone.

NOTE: Cutting knife is sharp and care should be taken when handling shield.

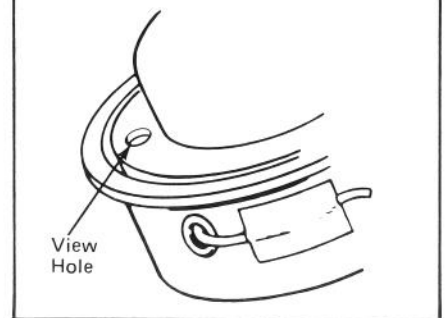
Before Operating

Cutting Line

NOTE: The cutting line for your Trimmer is a special monofilament line. Your Trimmer comes complete with a 50 foot supply of this line already wound onto the spool.

1. (Figure 6) To avoid line tangle during shipment, the tip of the monofilament line has been taped to the head assembly. The tape must be removed before operation.
2. View hole in spool cap is provided to show how much line remains on spool without removing spool.

Figure 6



Securing Pigtail Power Cord

NOTE: The proper extension cord is a requirement for safe and efficient use of your Toro 1410 Trimmer. Use only a U.L. - C.S.A. listed extension cord recommended for outdoor use with a maximum length of 100 feet (minimum 16 gauge).

1. Secure the pigtail power cord and a suitable extension cord to trimmer with cord lock as shown in Fig. 7 & 8.
2. To use cord lock, make a loop in end of extension cord and push loop thru slot in end of handle grip. Feed the plug of extension cord thru the loop formed in-

side handle grip. Pull extension cord tight to secure and plug into trimmer cord.

Figure 8

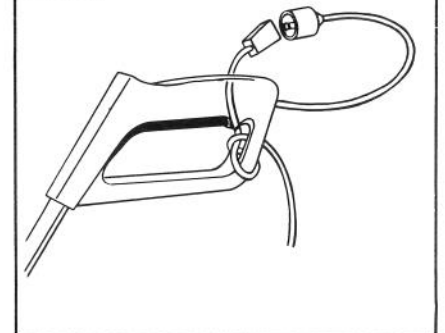
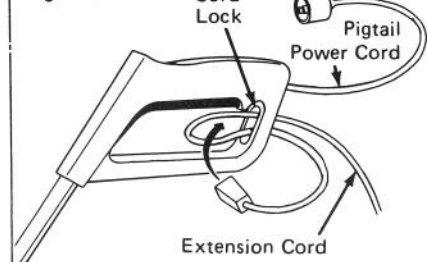


Figure 7



ATTENTION

Thoroughly inspect trimmer power cord before operating trimmer. If cord is damaged do not operate trimmer; replace or repair damaged cord. Contact your TORO service dealer for assistance.

Operating Instructions



CAUTION: Always wear safety glasses or other suitable eye protection and long pants while operating Trimmer.

1. Inspect area to be trimmed for any wire, cord or string-like matter which could become entangled in the rotating line.

2. Your Trimmer will cut grass and small weeds in difficult and hard to reach places. However, since this tool provides a totally new method of cutting, you will most likely experience some line breakage during your first few uses.

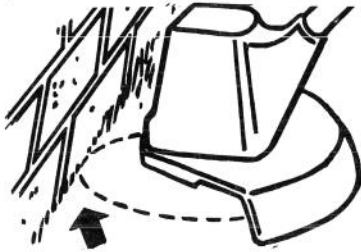
Operating Instructions (Continued)

As you learn the trimming techniques, you will be able to cut areas around trees, shrubs, foundation walls, along fences, sidewalks, patios, etc., with minimal line fatigue or line breakage.

3. (Fig. 9) DO NOT FORCE THE UNIT. Allow the very *tip* of the nylon line to do the cutting (especially along walls). Cutting with more than the tip will reduce cutting efficiency and overload the motor.

4. Whenever possible cut to your left. When cutting to the left, the

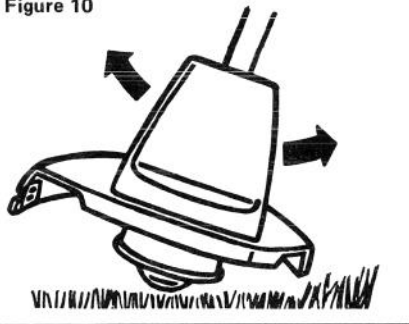
Figure 9



unit's cutting efficiency is somewhat better since the line is contacting the grass as soon as it leaves the guard, and the clippings are moving away from the operator.

5. Slowly move unit into and out of area being cut, maintaining unit at desired cutting height. This can be either a forward-backward or side-to-side motion.

Figure 10



6. Grass in excess of 8 inches tall or small weeds should be cut by working

from the top to the bottom in small increments to avoid premature line wear.

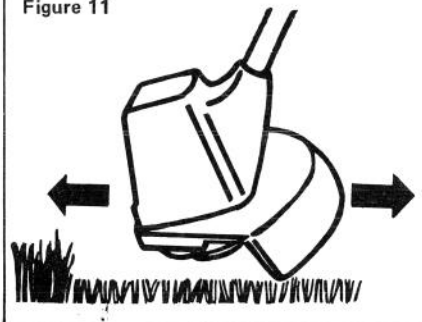
7. Trim only when grass and weeds are dry.

8. The life of your cutting line is dependent upon following the preceding trimming techniques, as well as what is being cut, and where the cutting is being done. EXAMPLE: Line will wear faster when run against a foundation wall as compared to trimming around a tree. Some line breakage will occur from moving unit too fast, from entanglement with foreign matter, from normal line fatigue, and from attempting to cut thick, stalky weeds in excess of unit's capability.

9. Lay out the extension cord so that it won't be in your way and to prevent kinking or tangling.

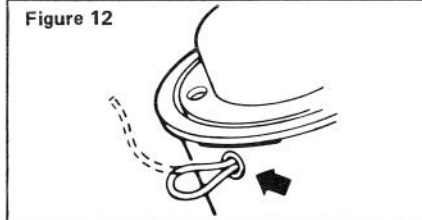
10. Never drag the Trimmer spool cap on the ground while trimming. This causes motor overload and spool cap wear.

Figure 11



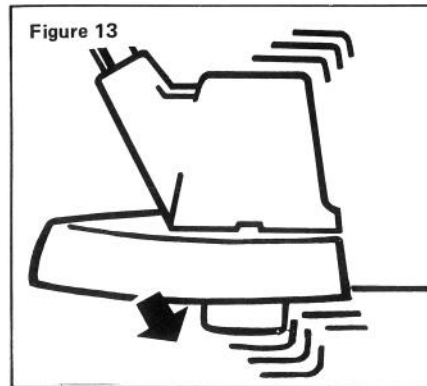
11. After each use, either retaping or looping the line through the eyelet (see figure 12) will prevent unraveling.

Figure 12



Lengthening Cutting Line

1. (Fig. 13) To lengthen line, firmly tap spool on the ground while the motor continues to run. The line will be fed from the spool and cut off to the proper length by the cutting knife attached to the shield.



Remember to keep the Trimmer 'on' while lengthening the line. Just tap the Trimmer on the ground; do not hold it on the ground. After the line has fed out, wait until you hear the line being cut to the proper length before continuing to trim.

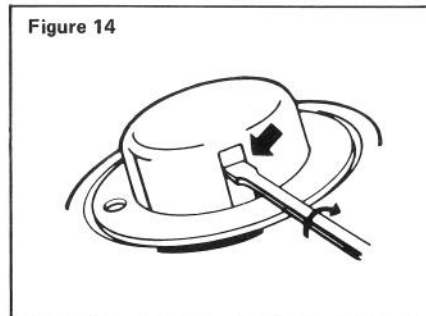
NOTE: To prevent line tangle, never tap more than once at a time.

2. Lengthen line only when line has been shortened by wear. Unnecessary lengthening will waste line.

NOTE: The spool cap may wear during normal use of the line advance feature and may require occasional replacement. Spools prewound with 50 feet of cutting line are available through your Trimmer retailer.

Replacing Cutting Line

Figure 14



1. To replace cutting line when your factory furnished supply runs out, you may purchase replacement line to rewind the empty spool or prewound replacement spools from your Toro Retailer.

CAUTION: Always unplug Trimmer from power source before inverting it.

2. To remove empty spool, insert widest possible blade screw driver snugly into one of the two window slots. With screw driver pressed firmly into

window slot, twist screw driver 1/4 turn. Spool will snap off.

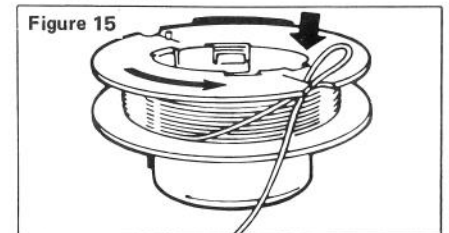


CAUTION: Use only .065" dia. nylon monofilament cutting line.

3. (Fig. 15) To rewind empty spool, follow the steps below:

A. Hook one end of line into groove on spool allowing no more than 1/8 inch of line to protrude. Wind line in direction of arrows on spool in level rows between spool flanges as shown.

Figure 15



Replacing Cutting Line (Continued)

Figure 16

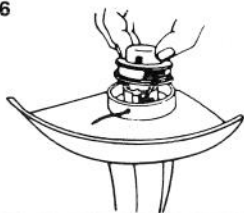
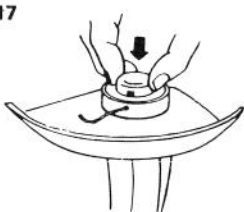


Figure 17



- B. Do not wind more than 50 feet of line onto spool. Do not use line over .065" diameter.
- C. Keep line tight on spool by making

a hook in the line, and secure in groove.

NOTE: Before reassembly, be sure to thoroughly clean out drum area and visually inspect for any damaged or worn parts.

- D. The spool and the core are keyed. Be sure they are properly aligned when putting spool back on. Thread end of line through eyelet, place spool on keyed core and push in place until you hear it click. Pull line free from groove in spool. Unwind no more than three inches from spool.

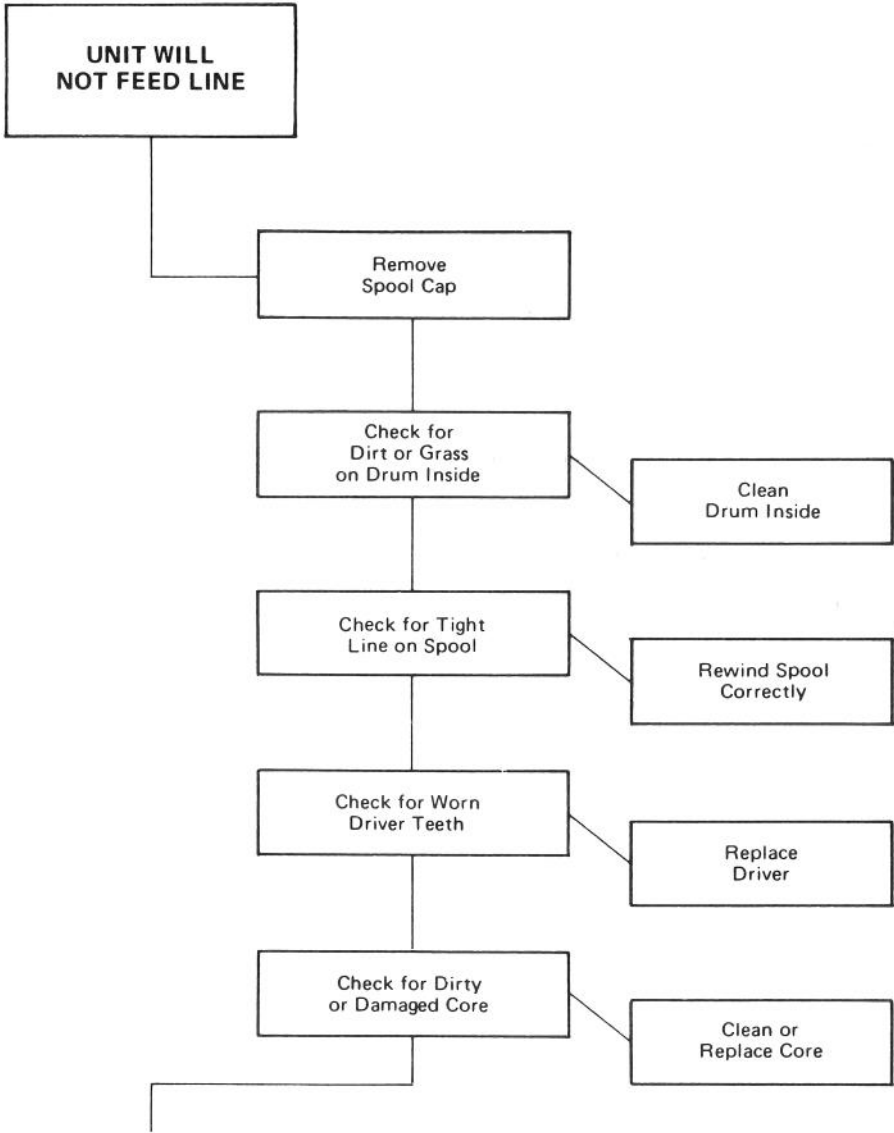
- 4. (Fig. 17) If the line should tangle or break at eyelet, refeed cutting line through eyelet by pushing spool in as far as it will go and threading line back through eyelet. Or you may remove spool completely, refeed the line through the eyelet and reassemble spool to Trimmer.

General Maintenance

- 1. Always be sure your Toro Trimmer is unplugged before attempting any maintenance.
 - 2. To keep the exterior clean, just wipe it off with a damp cloth — don't ever hose it down.
 - 3. Wipe debris away from air intake holes in lower tube.
- IMPORTANT:** Keeping intake and exhaust vents free of grass and debris, will help prevent motor overheating and possible failure.

- 4. Air exhaust vent is located on underside of shield. Scrape vent clean regularly.
- 5. Wipe or scrape clean the spool area anytime there is an accumulation of dirt or cuttings.
- 6. Check and tighten all fasteners. If any part is damaged, repair or replace it.
- 7. Any other servicing should be performed by an authorized Toro Service Dealer.

Trouble Shooting



SEE YOUR AUTHORIZED TORO SERVICE DEALER.

Warranty Service

A copy of the Full One Year Warranty covering your Trimmer is presented below. Should you feel your Toro Trimmer is defective and wish to have it repaired or replaced in accordance with this Full One Year Warranty, please follow the procedure below:

Return the Trimmer to the dealer who sold it to you. Remember to have a copy of your original sales slip or other evidence of purchase date along with you. The retailer will inspect the unit, advise you whether the product is defective, and if so make arrangements for a replacement Trimmer or appropriate service.

If your Trimmer is defective and within warranty period, it will be repaired or replaced and returned to you postage paid.

Non-warranty service may be obtained through an authorized Toro Trimmer dealer or distributor.

TORO FULL ONE YEAR WARRANTY

The Toro Company promises to repair or replace at our option, any Toro Trimmer used residentially if defective in materials or workmanship one year from the date of purchase. The cost of the replacement unit is included, but the customer is responsible for the return of the product to the selling dealer. This product is not warranted if used commercially. This warranty gives you specific rights, and you may have other rights which vary from country to country.