



MODEL NO. 51550  
SERIAL NO. 4000101 thru  
6000001 & up

## OPERATOR'S MANUAL

# TORO CORDLESS TRIMMER



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 Trimmer.
2. Never allow children to operate 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. Keep the area of operation clear of all persons, particularly small children and pets.
5. Dress properly — Do not wear loose clothing or jewelry. They can be caught in moving parts. Always wear substantial footwear and long pants.
6. Use the right appliance — Do not use the appliance for any job except that for which it was intended.
7. Avoid unintentional starting — Do not carry Trimmer with finger on switch.
8. Do not force the Trimmer — It will do the job better and safer at the rate for which it was designed.
9. Always be sure of your footing; keep a firm hold on the handles and walk, never run.
10. Stop the motor whenever you leave the Trimmer, before cleaning the housing, and when making any repairs or inspections.
11. When not in use, store your Trimmer in a dry, cool place out of the reach of children.
12. Keep all fasteners tight to be sure Trimmer is in safe working condition. Follow maintenance instructions provide in this manual.
13. Never operate Trimmer without proper guards or protective safety devices in place and working.
14. Do not put hands or feet near or under rotating parts. Keep clear at all times.
15. If the Trimmer should start to vibrate abnormally, stop the motor and check immediately for the cause. Vibration is generally a warning of trouble.
16. Do not operate your Trimmer after it has been dropped or damaged. Return it to your nearest authorized service dealer for inspection and repair.
17. Use only identical TORO replacement parts. Use only TORO charger (33-6730) and TORO battery (33-6650).

Copyright © All Rights Reserved  
The Toro Company — 1981, Rev. 1983, 1984, 1985  
Minneapolis, Mn 55420 - U.S.A.

# Assembly Instructions

## Loose Parts

Your Trimmer comes in one carton. Check the list below to be sure you received all component parts.

- Power Pack Case
- Cutter Head and Tube Assembly
- Charger
- Operator's Manual
- Loose Parts
- 4 Self Tapping Screws

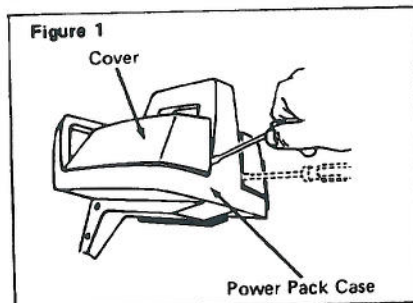
## Tools Needed For Assembly

- 1 - medium Phillips head screw driver
- 1 - wide blade flat screw driver

## Assembly

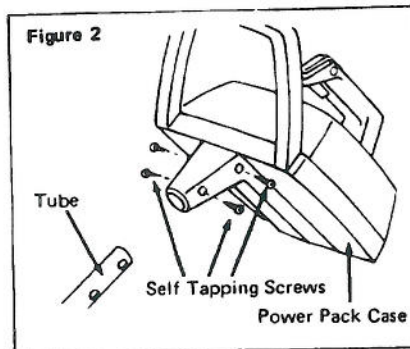
1. (Fig. 1) Remove red cover from power pack case. Insert wide blade screw driver between black handle and red cover on both sides as shown and pry gently outward. Lift cover forward, then up.

**NOTE:** Remove and discard shipping grommet from end of tube.



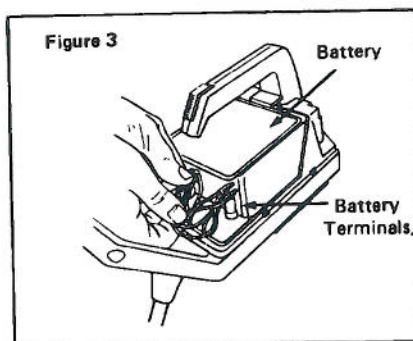
2. (Fig. 2) First slide the plug end of the wiring harness, then the tube into power pack case. See that screw holes are aligned, and plug enters housing.

**NOTE:** Be sure cutter head is in proper operating position.



3. Secure power pack case to tubing using the four (4) self tapping screws supplied.

4. (Fig. 3) Connect plug in power pack case with plug from wiring harness in tube. See that battery terminals are secure.



5. Reinstall cover. Set cover on top of power pack case. Slide front of cover into notch on power pack case. Align tabs in cover with slots on side of power pack case and snap in place by gently pushing in on rear of cover.

## Before Operation

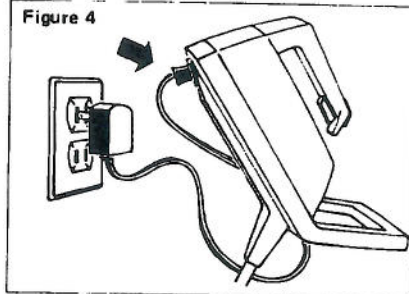
### Battery Charging

Your trimmer arrives with a partially charged battery. IT SHOULD BE CHARGED FOR 48 HOURS BEFORE ITS FIRST USE.

**NOTE:** Maximum running time is approximately 45 minutes. Your trimmer may not reach maximum running time until approximately 5 full charge - discharge cycles.

Fully charge your battery after each use. Charging time of 48 hours will restore a discharged battery. (When used less than 45 minutes, charging time should equal one hour for each one minute of use.) Do not charge for more than 72 hours or store the Trimmer with the charger plugged in.

**IMPORTANT:** Use only the Toro charger 33-6730 supplied. Using a different charger may damage the battery.



1. Insert charger plug into receptacle located on the bottom rear of power case.
2. Plug charger into 120 volt wall outlet. Be sure outlet is turned on.

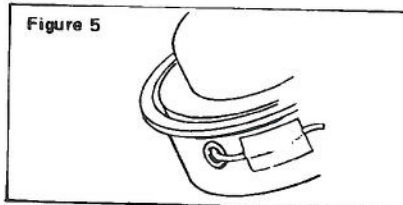
**NOTE:** The Charger may become warm to the touch. This is normal and does not indicate a problem.

3. After battery has been properly charged, remove charger from wall outlet and then remove charger plug from Trimmer receptacle.

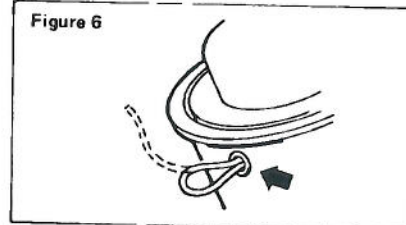
### Cutting Line

**NOTE:** The cutting line for your Trimmer is a special monofilament line. Your Trimmer comes complete with a 20 foot supply of this line already wound onto the spool.

1. 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. After each use, either retaping or looping the line through the eyelet will prevent unraveling.



## Operating Instructions

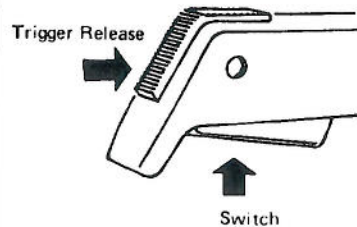
**CAUTION:** Always wear safety glasses or other suitable eye protection and long pants while operating Trimmer.

1. Inspect area to be trimmed for any wire, cord or string like matter which could become entangled in the rotating line.
2. Balance the trimmer in one hand using the U shaped handle. Operate the trigger release and the switch with the other hand.
3. To operate the trigger release and switch, slide the trigger release back with thumb and depress switch on bottom of handle. With the switch depressed, you may let go of the trigger release and the trimmer will continue to run. The switch must be depressed in order for the trimmer to run.

4. Trimmer will stop seconds after switch is released.

**CAUTION:** Do not invert Trimmer until cutting head has completely stopped rotating.

Figure 7



## Tips for Best Trimming Results

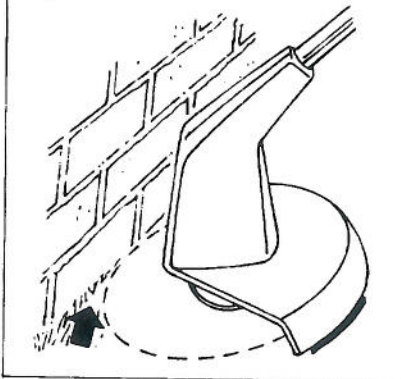
**CAUTION:** Always wear safety glasses or other suitable eye protection and long pants while operating Trimmer.

1. 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 breakages during your first few uses. 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.

2. Hold the power pack case parallel to the ground and the cutting head will

be at the correct angle with the grass to be trimmed.

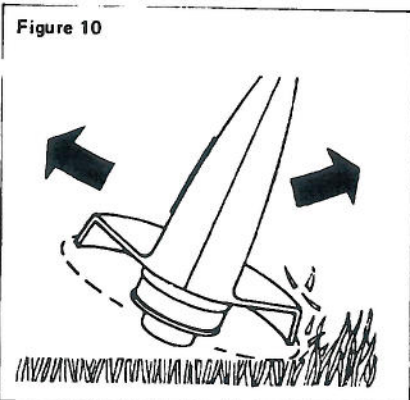
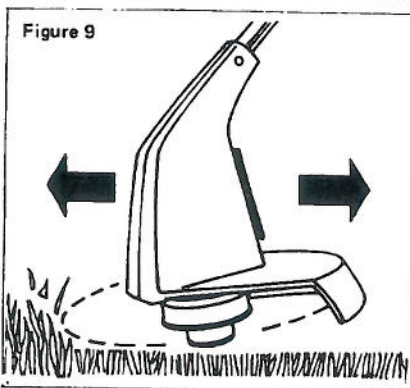
Figure 8



## Tips for Best Trimming Results (cont.)

3. **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.

The tip of the cutting line will wear during use and cause a reduction in the cutting swath. If the line is not advanced occasionally, it will wear down to the drum eyelet. When the trimmer is stopped the line will tend to relax and may retract into the drum. Should this



occur, be sure to replace the cutting line in the proper position before re-starting the Trimmer (page 7, #4) or the line may tangle around the drum.

4. Grass over 8 inches tall should be cut by working from the top to the bottom in small increments to avoid premature line wear or motor drag.

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

6. Slowly move the trimmer into and out of the area being cut, maintaining Trimmer at desired cutting height. This can be either a forward-backward or side to side motion. Maintain top speed for best cutting.

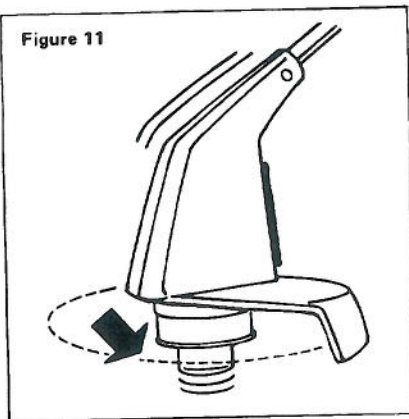
7. Trim only when grass and weeds are dry.

8. The life of your cutting line is dependent upon following the above trimming techniques, as well as what is being cut, and where the cutting is being done. For example, line will wear faster when trimming against a foundation wall as opposed 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. As cutting line wears, for best performance, lengthen as indicated in Lengthening Cutting Line procedure.

9. Never drag the Trimmer spool cap on the ground while trimming. This causes unnecessary battery drain and spool cap wear.

## Lengthening Cutting Line

1. 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 running while lengthening the line. Just tap

the Trimmer on the ground; do not hold it on the ground. After the tap and 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 rewound with 20 feet of cutting line are available through your Toro retailer.



**CAUTION:** Use only .040" nylon monofilament cutting line.

## Replacing Cutting Line

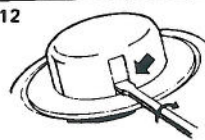
1. Replacement line or rewound replacement spools can be purchased from your local TORO retailer. The cutting line used by TORO is specially formulated for use on your trimmer. Other line may not provide the same high quality performance.

**CAUTION:** Always be sure cutting head has completely stopped rotating before inverting it.

2. (Fig. 12) To remove empty spool,

insert widest possible blade screw driver snugly into one of the two window slots on the spool hub and twist screw driver 1/4 turn. Spool will snap off.

Figure 12



3. (Fig. 13) To rewind empty spool, follow these steps:

## Replacing Cutting Line (cont.)

Figure 13

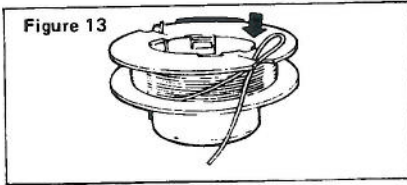


Figure 14

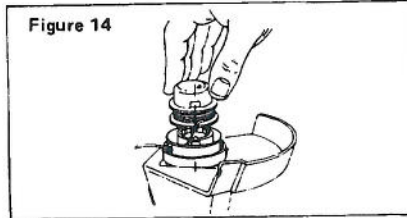
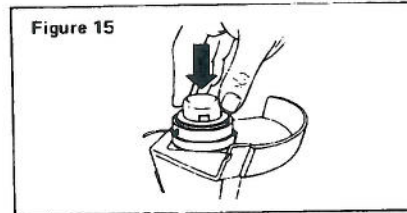


Figure 15



- A. Hook one end of line into groove on spool allowing no more than 1/4 inch of line to protrude. Wind line in direction of arrows on spool in level rows between spool flanges as shown.

- B. Do not wind more than 20 feet of line onto spool. Do not use line over .040" 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. (Fig. 14) 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. 15) If 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 Trimmer is stopped before attempting any maintenance.
2. To keep the exterior clean, just wipe it off with a damp cloth — never hose it down.
3. Wipe or scrape clean the drum and spool area anytime there is an accumulation of dirt or cuttings.
4. Make sure battery is fully charged and charger is unplugged from trimmer before storing.
5. Store trimmer in a cool, dry place. Do not store trimmer in direct sunlight or near a furnace. If trimmer must be stored in a warm area, charge the battery for 24 hours every 2-3 months.
6. Check and tighten all fasteners. If any part is damaged, repair or replace it.

**THE TORO PROMISE**  
**TORO TRIMMER/WEEDER**  
**A FULL ONE YEAR WARRANTY**

*The Toro Company warrants your TORO Product against defects in material or workmanship. During the warranty period, Toro will, at its option, replace a defective product with a new or rebuilt unit, or will repair or replace any defective parts. The following time periods from the date of purchase apply:*

Residential ..... 1 Year  
Residential Products Used Commercially ..... 45 Days

*The cost of replacement or repair is included, but the customer pays the transportation costs.*

Should you feel your TORO Product is defective and wish to rely on The Toro Promise, you may return it to:

1. The original place of purchase
- OR
2. A TORO Electrical Service Dealer
- OR
3. The Toro Service Center  
21350 Cedar Ave. So.  
Lakeville, MN 55044  
(Postage Prepaid)

Upon return of your unit to one of the above, it will be inspected and you will be advised whether the product is defective. If defective, arrangements will be made for repair or replacement without extra charge to you.

If for any reason you are dissatisfied with the analysis of the defect or the service performed, you may contact us.

Write: TORO Customer Service Department  
8111 Lyndale Avenue South  
Minneapolis, MN 55420

**THERE IS NO OTHER EXPRESS WARRANTY**

**THE TORO COMPANY IS NOT LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE USE OF THE PRODUCT.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty applies only to parts or components which are defective and does not cover repairs necessary due to normal wear, misuse, accidents, or lack of proper maintenance. Regular, routine maintenance of the unit to keep it in proper operating condition is the responsibility of the owner.

All warranty repairs reimbursable under The Toro Promise must be performed by a TORO Electrical Service Dealer using Toro approved replacement parts.

Repairs or attempted repairs by anyone other than a TORO Electrical Service Dealer are not reimbursable under The Toro Promise. In addition, these unauthorized repair attempts may result in additional malfunctions, the correction of which is not covered by warranty.

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

**COUNTRIES OTHER THAN THE UNITED STATES OR CANADA**

Customers who have purchased TORO products exported from the United States or Canada should contact their TORO Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any reason you are dissatisfied

with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.