

# **The Green Machine**

## **ASSEMBLY AND OPERATING INSTRUCTIONS MODELS 1200/1300/1500 ELECTRIC TRIMMER**

To insure maximum performance and safe operation read and understand this manual before operating unit.

### **HMC — ONE YEAR LIMITED WARRANTY**

HMC warrants your HMC Product to be free from defects in material and workmanship under normal residential use for a period of one (1) year from date of purchase. This warranty expires in (45) days if the product is used commercially.

Should your HMC Product fail within the warranty period to defective parts or workmanship, just return the unit sportation prepaid to either (1) the retailer who sold it to you or (2) directly to the HMC Factory Service Center, 20710 South Alameda Street, Long Beach, California 90810, U.S.A., or (3) to your regional distributor, whose address is available from HMC or your retailer. HMC will, at its option, repair or replace the unit at no charge. HMC assumes no obligation to pay the registered owner a cash refund under any circumstance.

Please return the enclosed warranty card within 10 days after purchase. If we do not have the card on file we will require other proof of purchase before completing the repairs. This warranty only extends to the original purchaser of the product.

This warranty does not apply if the product has been misused or used contrary to the instruction manual, or if it has been repaired or altered by anyone other than an HMC authorized service center.

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.

**HMC IS NOT LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE USE OF THE PRODUCT INCLUDING ANY COST OF PROVIDING SUBSTITUTE EQUIPMENT DURING PERIODS OF MALFUNCTION.**

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

Your HMC Product will perform as indicated in the instruction manual and in the accompanying literature. Your retailer may have sold you the machine with a promise that it would handle a particular task. You may return the machine to him if it does not perform that specific task, but we cannot be responsible for promises which are beyond the scope of the above instruction manual and literature.

**THERE ARE NO EXPRESS WARRANTIES OTHER THAN AS CONTAINED IN THIS STATEMENT, AND ANY IMPLIED WARRANTIES SHALL EXPIRE 90 DAYS AFTER DATE OF PURCHASE.** Some states of the U.S.A. do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

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

**CAUTION:** Do not plug trimmer into power source until completely assembled. Read #3. **BEFORE EACH USE:**

**WARNING:** Always wear eye protection (safety goggles). Keep bystanders at least 20 feet away. Keep cutting edge away from your body. Use only approved for outdoor use extension cord. Never use line size (dia.) other than that which is recommended for your model trimmer.



1. SAFETY

- Thoroughly read and understand Operators Manual before using unit.
- Always wear eye protection (safety goggles), and keep all bystanders at least 20 feet away when operating trimmer.
- Your trimmer is not a toy. Do not allow children to play with or operate the unit.
- Never operate the trimmer in damp or wet conditions.
- Do not use the appliance for any job except that for which it is intended.
- Use only the correct nylon line size (dia.) for your model trimmer (see Replenishing Line).
- Use only an extension cord that is approved for outdoor service (max. length 100 ft., min. 16 gauge).
- Never abuse extension cord, never yank cord. Keep cord away from heat, oil, and sharp edges. Replace damaged cords.
- Always unplug the power supply cord whenever you leave the trimmer unattended, before cleaning, before replenishing line, and before making any repairs or inspections.
- Don't force the trimmer — it will do the job better and safer at the rate for which it was designed (see Cutting Technique).
- Keep hands and feet clear of rotating parts at all times. Never operate trimmer without proper guards in place.
- If trimmer should start to vibrate abnormally, stop unit immediately, unplug from power source and check unit. Vibration is generally a warning of trouble.
- Do not operate trimmer after it has been dropped or damaged. Return it to your nearest authorized service dealer for inspection and/or repair.

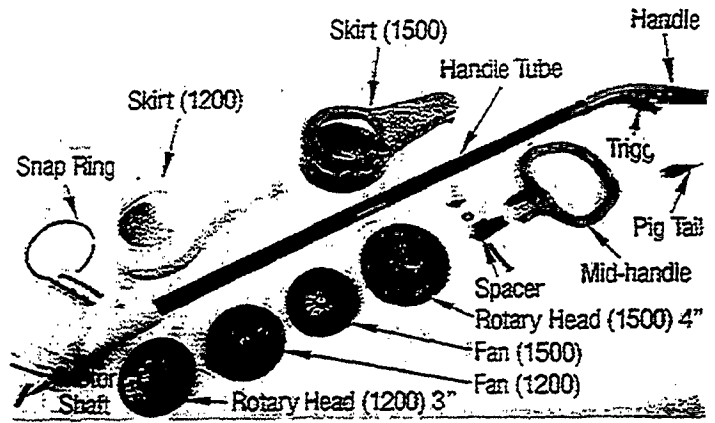
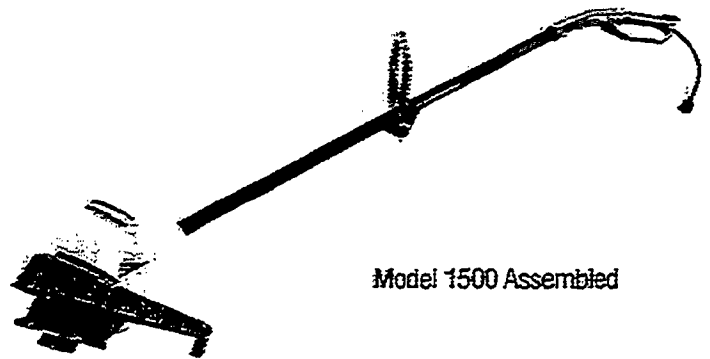


Figure A



Model 1500 Assembled

Figure B

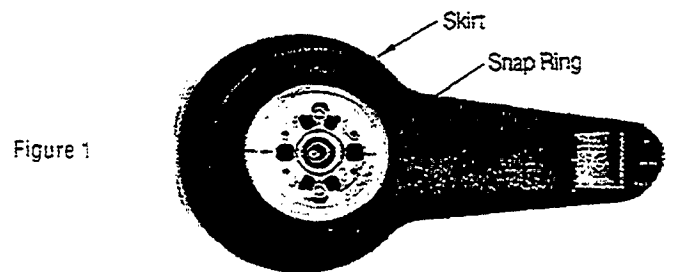


Figure 1

2. ASSEMBLY: (Figs. 1 thru 5)

**CAUTION:** Do not plug trimmer into power source until completely assembled.

- Mount skirt, making sure it is properly seated against motor housing. Install snap ring so that it is fully seated in its groove (Fig. 1).
- Make sure fan is installed onto the top of the rotary head (Fig. 2). If not, mount fan by aligning the four pins on the fan with the four holes in the top of the rotary head and push together (Fig. 3).
- Thread rotary head with fan onto the motor shaft as far as possible (Fig. 4). Head will thread itself all the way onto the motor shaft and tighten itself when you start the trimmer.

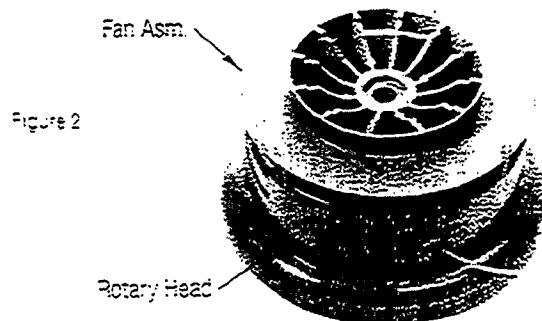


Figure 2

- Snap mid-handle over handle tube, install spacer, bolt, washer and wing nut (Fig. 5), adjust for operator comfort, and tighten wing nut.

**WARNING:** Always wear eye protection (safety goggles). Keep bystanders at least 20 feet away. Keep cutting edge away from your body. Use only approved for outdoor use extension cord. Never use line size (dia.) other than that which is recommended for your model trimmer.

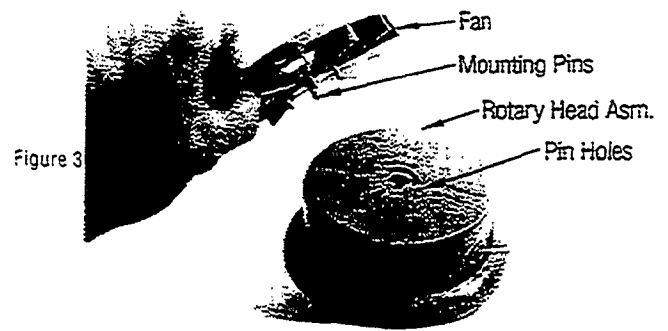


Figure 3

### 3. BEFORE EACH USE: (Figs. 6, 7, & 8)

- Never operate trimmer without skirt and cut-off blade in place and in good working order.
- Stretch cutting line to cut-off blade (Fig. 6). If line extends past cut-off blade, cut off excess just short of the cut-off blade. **NOTE:** Cut-off blade is sharp, take special care when working near it.
- Use only an extension cord that is approved for outdoor service (max. length 100 ft. (30 m)), (min. 16 gauge).
- Secure extension cord to trimmer as shown in (Figs. 7 & 8).

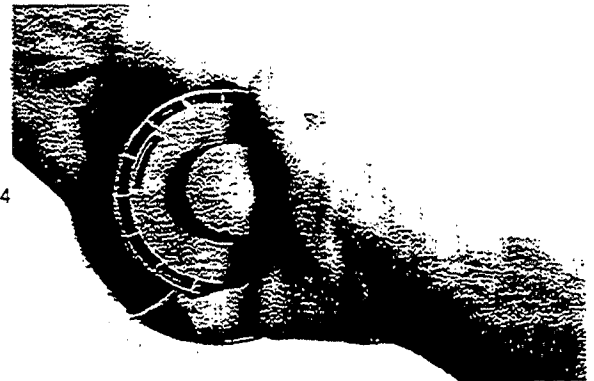


Figure 4

g extension cord into a wall receptacle. Hold trimmer off the ground and pull the trigger. **NOTE:** Do not be alarmed if you hear a noise as the cutting line(s) contact the cut-off blade, once the line(s) are cut to the proper length the noise will stop.

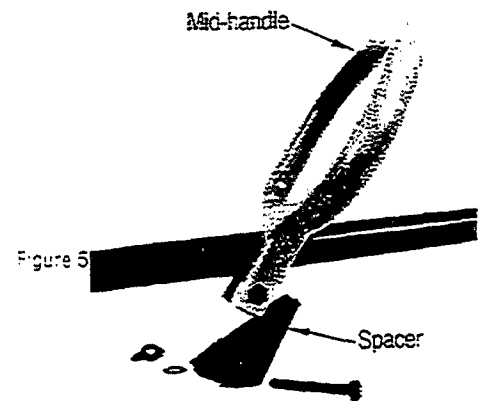


Figure 5

**NOTE:** Mid-handle should angle back towards handle

### 4. CUTTING TECHNIQUE: (Figs. 9, 10, & 11)

- Be sure you have read and understand 1. **SAFETY.**
- Inspect area to be trimmed, make sure there is no wire, cord, or string-like matter which could become entangled in the cutting line(s).
- Angle unit slightly to the left with reference to the area being cut (Fig. 9)
- Note cutting zone marked on the skirt. Trimmer performs best when cutting is done within cutting zone (Fig. 10).
- Never force the trimmer. It is only the very tip of the cutting line that does the cutting.
- Always cut to your left: this moves the clippings away from the operator.
- Slowly move the trimmer into and out of area being cut, maintaining desired cutting height. This can either be a forward-backward or side-to-side motion

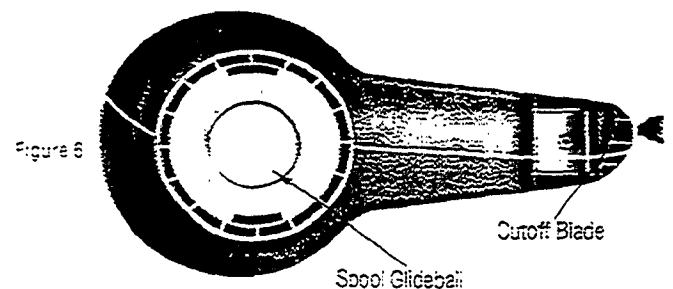


Figure 6

- Grass, or small weeds in excess of 8 inches (20.3 cm) tall, should be cut by working from top to bottom in small increments.
- Trim only when grass and/or weeds are dry.
- To edge, turn the mid-handle 180° (Fig. 11), and hold trimmer vertical to the cutting.

**WARNING:** Always wear eye protection (safety goggles). Keep bystanders at least 20 feet away. Use only approved for outdoor service extension cord. Never use line size (dia.) other than that which is recommended for your model trimmer.

Figure 7

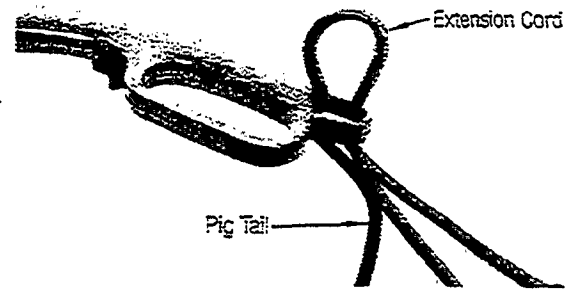


Figure 8

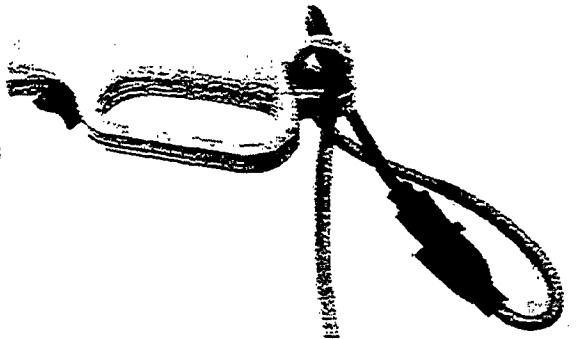


Figure 9

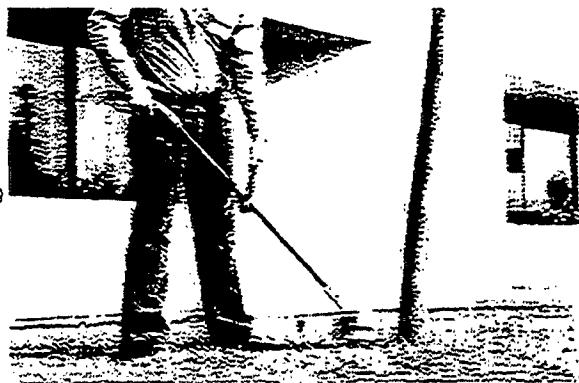
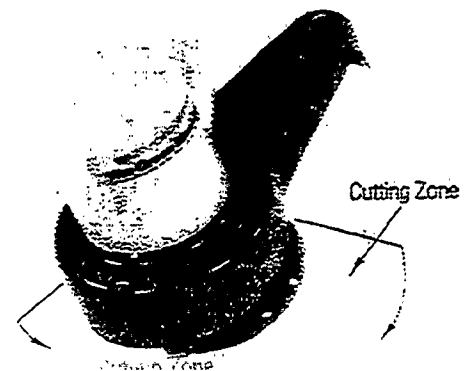


Figure 10



## 5. TO EXTEND CUTTING LINE (TFC)

- While the unit is running, gently tap (**DO NOT POUND**) the spool glide ball on a hard surface. Line will automatically feed out and be cut to the proper length.
- **WARNING:** Never attempt to trim or edge while line is being cut off, or with line extended past the cut-off blade (Fig. 12). Doing so will cause motor failure.
- **NOTE:** If the cutting line is worn too short (1 inch or less), the tap for cord may not perform properly and the cutting line will have to be advanced manually (see #6).

## 6. TO EXTEND CUTTING LINE (Manually)

- Stop trimmer and unplug the unit from power source and turn unit upside down.
- While pulling outward on one of the cutting lines, push in on the spool. When the line stops, release the spool while continuing to pull outward on the cutting line. Repeat this procedure until desired amount is extended.

**CAUTION:** If line is extended inadvertently by an accidental tap on the ground while cutting, immediately lift the trimmer out of the grass being cut and allow the excess line to be cut off by the cut-off blade. Motor damage will result if cutting line is run past the cut-off blade.

7. TO REPLENISH LINE SUPPLY

- **MODEL 1200 SINGLE LINE 0.080 DIA.** (WARNING: Use of line size other than 0.080 will cause motor damage and voids unit's warranty.)
- **MODEL 1500 DUAL LINE 0.065 DIA.** (WARNING: Use of line size other than 0.065 will cause motor damage and voids unit's warranty.)
- Unplug unit from power source and turn upside down.
- Push in one of the locking tabs, releasing it from its notch (Fig. 13) and lift up on the rotary head cap.
- Once both locking tabs have released, lift rotary head cap off, and remove spool.
- Clean all dirt, dust, and grass out of rotary head, spool and head cap before re-assembling.
- Cut a length of Green Line  
(MODEL 1200 USE 15 FT. 0.080 DIA.)  
(MODEL 1500 USE 40 FT. 0.065 DIA.)
- **NOTE:** Line holes in spool also act as a line size gauge. **DO NOT ALTER THEM IN ANY WAY** (Fig. 14).

Figure 11

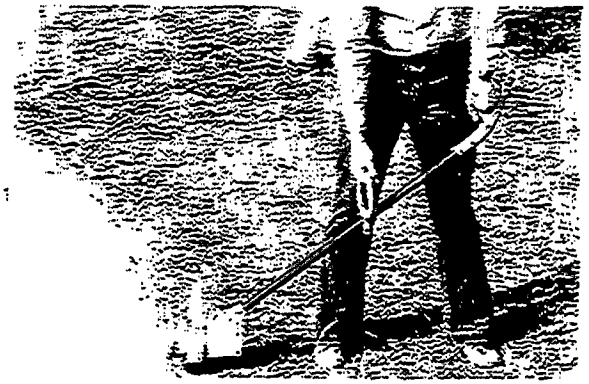


Figure 12

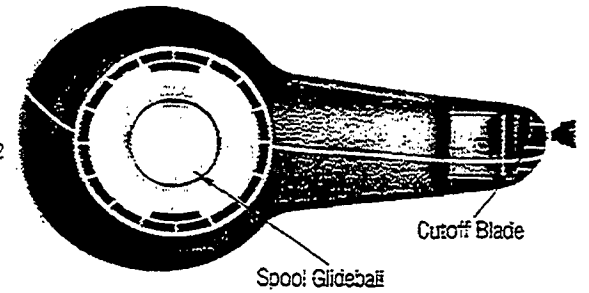


Figure 13

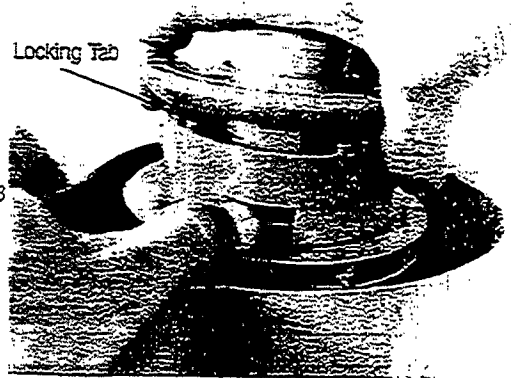


Figure 14

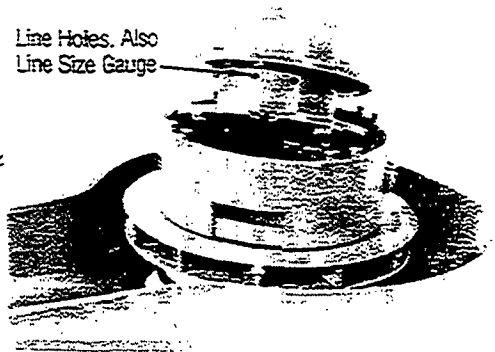
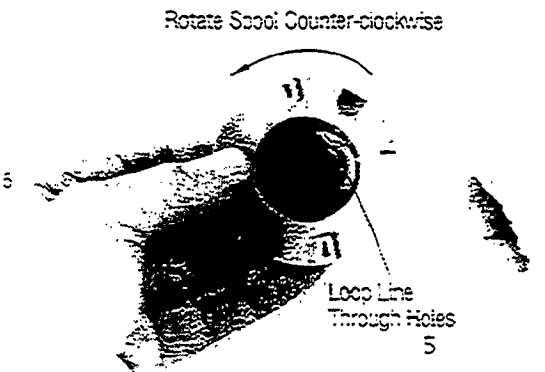


Figure 15



- **MODEL 1200:** Loop approximately 2 inches of line through holes in spool.
- **MODEL 1500:** Loop line through holes in spool and make certain that both lines are even.
- Hold spool as shown (Fig. 15) and feed line on neatly by rotating the spool counter-clockwise. **NOTE:** Do not wind line on, rotate the spool.
- Insert line(s) in their respective linesavers and place spool back into the rotary head (Fig. 16).
- **WARNING:** Be certain that line(s) do not become trapped under the spool.
- Replace rotary head cap by aligning locking tabs with their notches and pushing cap down until locking tabs are securely seated (Fig. 17).
- Before operating unit, check TFC by advancing some line manually, making sure line(s) are not trapped, and rotary head is assembled correctly.

NOTE: Fig's 16 & 17 on following page.

**8. GENERAL MAINTENANCE**

Make Sure Line Does Not  
Become Trapped Under Spool

- Be sure your trimmer is unplugged before attempting any maintenance.
- Keep the exterior of your **GREEN MACHINE** clean by wiping with a damp cloth. **DO NOT USE A HOSE OR ANY PETROLEUM MATERIAL.** After each use, clean the air intake slot by wiping the grass buildup off with your finger. **GRASS THAT BLOCKS THE AIR INTAKE RESTRICTS THE MOTOR'S COOLING AIR FLOW AND MAY CAUSE MOTOR DAMAGE.**

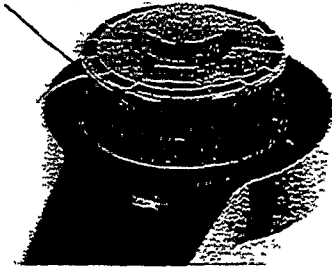
Figure 16



- Keep the cutting head clean of grass clippings to insure that it will perform properly. Clean after each usage.
- Check and tighten all fasteners. If any part is damaged, repair or replace it.

Make Sure Locking Tabs  
Are Securely Seated

Figure 17



**9. TROUBLE SHOOTING CHART FOR MODELS 1200 & 1500 ELECTRIC**

TROUBLE	POSSIBLE CAUSE	CORRECTION
Trimmer will not run.	<ol style="list-style-type: none"> <li>1. No electricity to trimmer.</li> <li>2. Faulty switch/rectifier/motor.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check outlet.</li> <li>2. Contact Green Machine Dealer.</li> </ol>
Won't cut grass effectively or is running slowly	<ol style="list-style-type: none"> <li>1. Cutting line too short.</li> <li>2. Cutting line too long.</li> <li>3. Low voltage and motor speed.</li> <li>4. Cutting too fast.</li> <li>5. Work is too heavy.</li> <li>6. Cutting line has escaped the exit area of cutting head.</li> </ol>	<ol style="list-style-type: none"> <li>1. Extend line to proper length.</li> <li>2. Reduce line to proper length.</li> <li>3. Correct the voltage.</li> <li>4. Cut slowly and with line tips. Allow motor to run as fast as possible but still perform cutting.</li> <li>5. Your Green Machine trimmer is designed for use in grass and light weeds. Use a gas Green Machine for anything heavier.</li> <li>6. Put cutting line in the proper place.</li> </ol>
Line will not extend when trimmer is tapped on hard surface.	<ol style="list-style-type: none"> <li>1. Cutting line is too short.</li> <li>2. Cutting head not assembled properly</li> <li>3. Cutting line has escaped from spool.</li> <li>4. Spool wound incorrectly.</li> <li>5. Dirt in spool area.</li> </ol>	<ol style="list-style-type: none"> <li>1. Refer to Owners Manual, see <b>TO EXTEND LINE MANUALLY.</b></li> <li>2. Refer to Owners Manual for correct assembly.</li> <li>3. Place both lines in proper position.</li> <li>4. Refer to Owners Manual.</li> <li>5. Clean cutting head of dirt.</li> </ol>
Cutting line extends too much when tapped.	<ol style="list-style-type: none"> <li>1. Trimmer is bouncing on the ground.</li> <li>2. Trimmer is in mower operation.</li> <li>3. Cutting line too long for cutter blade to cut.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tap trimmer gently one time to extend line.</li> <li>2. Trimmer cannot be rested or glided on the ground while running or mowing.</li> <li>3. Stop trimmer and manually cut line to blade length.</li> </ol>
Motor running too hot.	<ol style="list-style-type: none"> <li>1. Air entry holes plugged.</li> <li>2. Cutting line is too long.</li> <li>3. Work too heavy for trimmer</li> </ol>	<ol style="list-style-type: none"> <li>1. Clear air entry holes with your finger.</li> <li>2. Cut to proper length. (<b>Do not operate trimmer with line longer than cutter blade.</b>)</li> <li>3. Remember your Green Machine trimmer is designed for grass and light weeds only</li> </ol>