

USE & CARE BOOK

STANDARD SPEED OR VARIABLE SPEED



POWER TOOLS



GENERAL  
ELECTRIC

HOUSEWARES  
DIVISION

ED



**TM-3 POWER UNIT**  
The power tool you have purchased for use with the  
Electrak Garden Tractor is a 36 Volt DC Unit.

**DO NOT USE IT WITH ANY 110 OR 220 VOLT AC WALL PLUG.**

**ACCESSORIES AVAILABLE FOR THE TM-3:**

1/4" Drill Head	— Model TH20
3/8" Drill Head	— Model TH30
Hedge Trimmer	— Model TH70
Grass Trimmer	— Model TH80



SAVE THIS BOOK

## CONGRATULATIONS

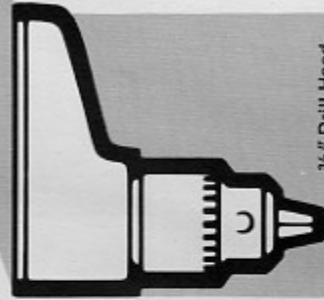
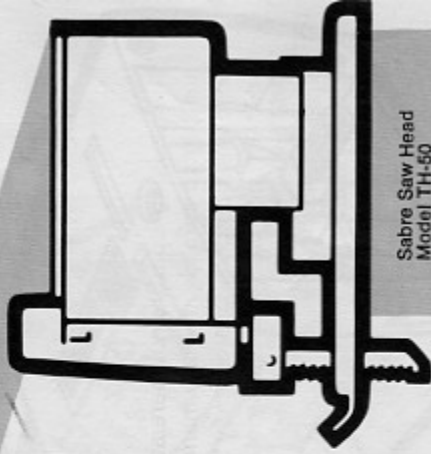
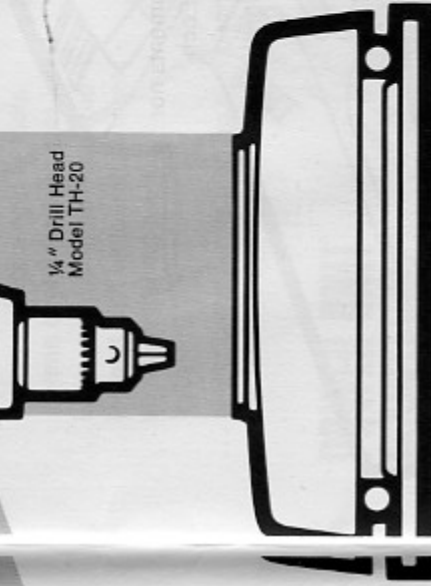
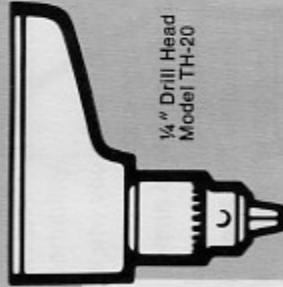
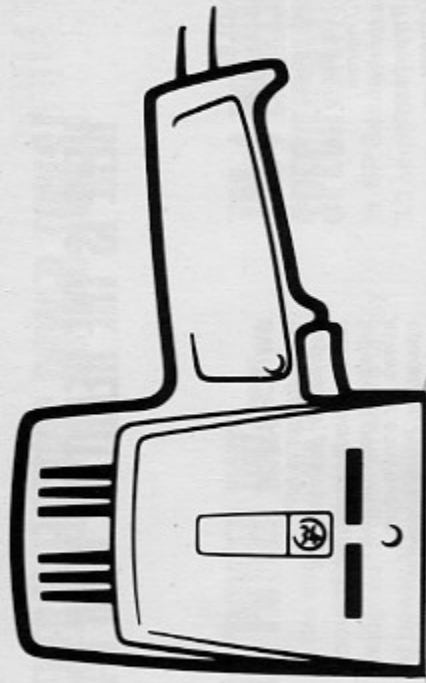
on owning this fine quality product... Its many modern features will make your every day more pleasant and enjoyable. Some of these product conveniences are obvious, but in order to enjoy all uses of your new General Electric product be sure to read this entire booklet for important, helpful information.

File this book for future reference and keep as a record of your warranty. Date purchased or received as a gift

## GENERAL ELECTRIC PRESENTS

a new concept in precision power tool design. Each Power unit, either the single speed TM-1 or the speed control TM-2 Power Unit, is powered by a 1/2 HP General Electric motor and quickly attaches to any of the interchangeable precision tool heads. This is accomplished with three permanently attached hardened steel mounting screws.

The resulting tools are not mere attachments nor are they compromised in any manner. Each becomes a properly geared, truly balanced, positively powered, complete tool designed for long life precision performance.



Grass Trimmer Head  
Model TH-80



Hedge Trimmer Head  
Model TH-70

# OF GENERAL ELECTRIC POWER TOOLS!

# HERE IS THE HEART OF YOUR FAMILY

### HELPER HANDLES

Can be attached in any of three convenient locations. Equipped with stick type handle for  $\frac{3}{8}$ " Drill, Sabre Saw and Grass Trimmer; Mushroom Type for the Sander; and Bail type handle for the Hedge Trimmer.

### SWITCH LOCK

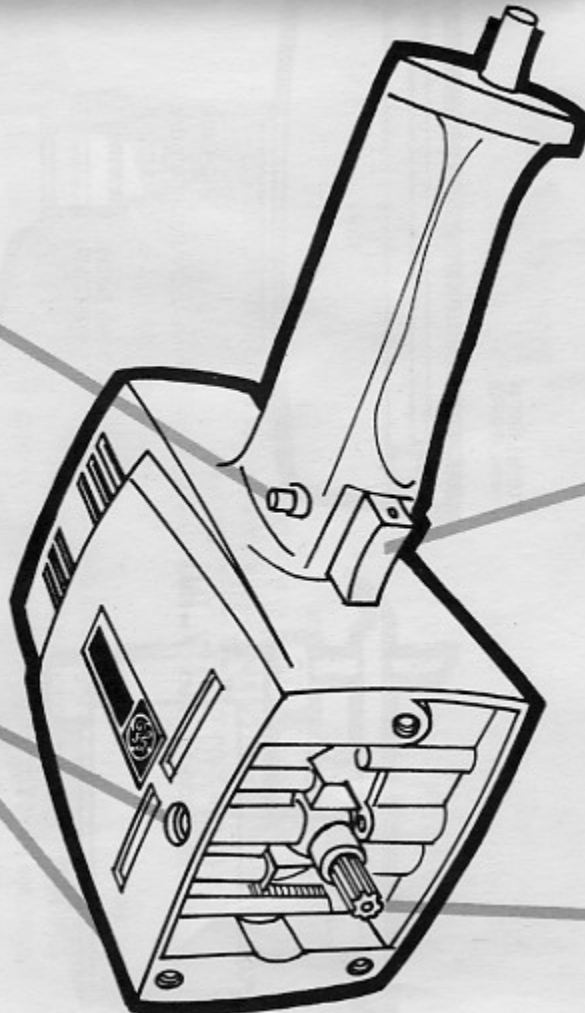
While trigger is fully depressed, push the lock button. This locks trigger in full speed position and allows for continuous operation. Press trigger to release the lock. Release trigger to stop.

### TRIGGER SWITCH

ON-OFF single speed trigger switch on TM-1. Speed varies from 0 to Full as a trigger is depressed on the TM-2 Unit.

### PINION GEAR

Rugged Space Age Steel Alloy Gear Drives the tool heads.



## THE POWER UNIT—

- ... is the nucleus of the G-E convertible power tool system, designed to drive an entire family of power tool heads.
- ... is what gives your tools power, flexibility, convenience and portability.
- ... is why you get economy — one power unit for a host of tools instead of one for each tool.
- ... is equipped with an oversized fan and high temperature motor windings to help prevent burn-out.
- ... is lubricated for its lifetime at the factory.

## TM-1 POWER UNIT SPECIFICATIONS

- $\frac{1}{3}$  HP General Electric motor rated
- 3.0 amps at 120 volts
- die-cast aluminum
- permanent
- 6 foot 3" adapter
- Universal

## POWER UNIT MAINTENANCE

**Cooling:** Be sure air vents are maintained.

**Brushes:** In the event of need service, unplug casing screws and lift the remove rear bearing strap, and brushes are readily accessible.

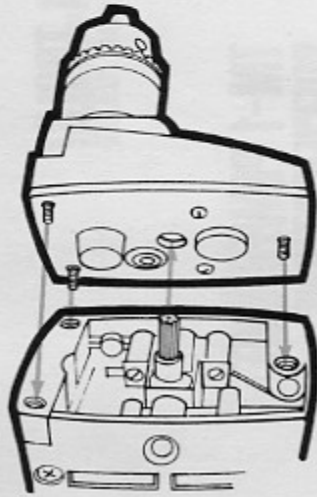
**Lubrication:** Lubrication is unnecessary as the tools are lubricated for their lifetime at the factory.

**TM-3 POWER UNIT**  
The power tool you have purchased for use with the Electrak Garden Tractor is a 36 Volt DC Unit.

**DO NOT USE IT WITH ANY 110 OR 220 VOLT AC WALL PLUG.**

Accessories available for the TM-3:

- $\frac{3}{8}$ " Drill Head — Model TH20
- $\frac{1}{2}$ " Drill Head — Model TH30
- Hedge Trimmer — Model TH40
- Grass Trimmer — Model TH80
- Motor rated — 1/3 HP, AC only;
- Motor speed control;
- Motor housing;
- Lubricated bearings;
- Wire attached cord with plug; industrially listed by Underwriters' Laboratories, Inc. for use with G-E tool heads.



## TOOL HEAD ASSEMBLY

All G-E tool heads are designed to be used interchangeably with either the standard TM-1 Power Unit or the Speed Control TM-2 Power Unit. They are quickly and easily assembled to either power unit with a precise gear mesh in the following way:

**STEP 1** — Insert the power unit pinion gear into the hole in the back plate of the tool head.

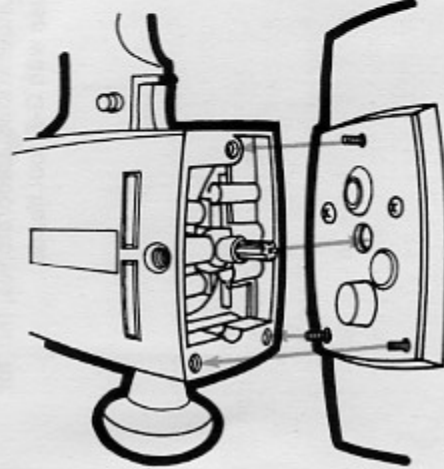
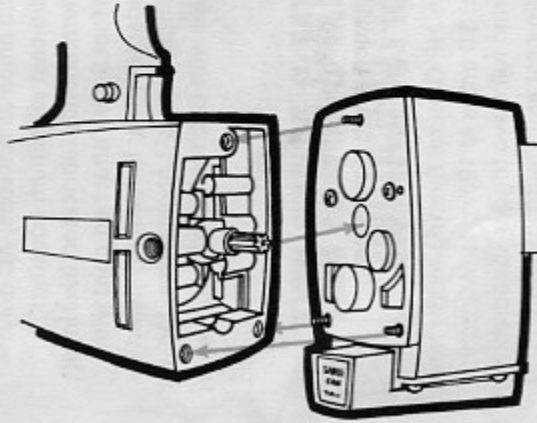
**STEP 2** — Tighten all three tool head mounting screws.

**\*STEP 3** — Back off each screw  $\frac{1}{4}$  turn, and run the tool for a few seconds to allow the bearings to properly adjust.

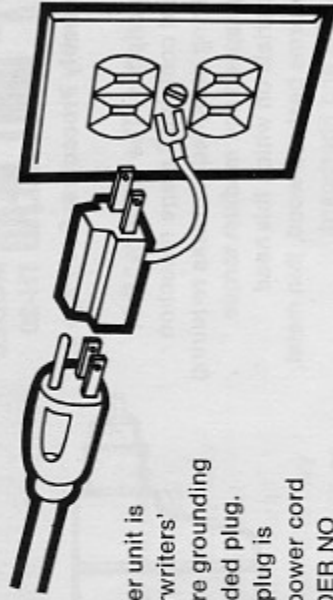
**\*STEP 4** — Securely retighten screws and the tool is ready to use.

**\*STEPS 3 and 4** need be done only when the tool heads are first attached.

**CAUTION:** When assembling the TH-60 Sander Head to the Power Unit, the rear mounting screw may be covered by the counterweight. If this occurs, rotate the counterweight with a screwdriver until the screw is uncovered and tighten the screw. Failure to securely tighten all three screws will result in damage to the mechanism.



## IMPORTANT SAFETY PRECAUTIONS



**1.** For your safety the power unit is equipped with an Underwriters' Laboratories listed 3-wire grounding cord and 3 prong grounded plug.

The round prong in the plug is connected through the power cord to the tool housing. **UNDER NO CIRCUMSTANCES SHOULD THE ROUND PRONG BE REMOVED NOR SHOULD ANY ATTEMPT BE MADE TO DEFEAT ITS PURPOSE!** When the plug is inserted in a properly grounded receptacle, it is designed to protect the user from electric shock should the internal tool insulation fail for any reason. The user must make certain that the receptacle is electrically grounded as severe electrical hazard exists if the tool insulation should break down and the tool is not connected to a grounded outlet. If an extension cord is used with this tool, make certain it is a heavy gauge 3-wire cord and is plugged into a 3-wire grounded outlet.

If you do not have a 3-wire receptacle but you do **KNOW** that your 2-wire outlet is grounded, use the 3 to 2 prong adapter plug furnished as shown in the illustration. The adapter plug has a grounding wire which must, for your safety, be fastened under the grounding screw on the outlet plate.

If you are not sure your receptacle is grounded, an electrician can check this for you very quickly.

If your 2-wire outlet is not grounded or if you are not sure, a wire can be attached to the green lead on the 3 to 2 prong adapter and then to a cold water pipe, a grounded conduit, or a metal grounding rod which has been driven deeply into the ground; such as an existing telephone or TV antenna ground rod. If this method is used, good electrical connections must be made at each grounding wire connection.

**DO NOT OPERATE THESE TOOLS WITHOUT A PROPERLY GROUNDED CONNECTION**

**2.** Always wear safety glasses when using the tools to protect your eyes from sawdust, metal chips, broken blades, etc.

**3.** Always disconnect the power cord before making adjustments, changing heads, or changing cutting tools (drill bits, saw blades, sandpaper, etc.) to avoid injury from accidental starting.

**4.** For your safety never use tools in contact with water, in the rain, or when any part of your body is in contact with moisture.

