USE & CARE BOOK

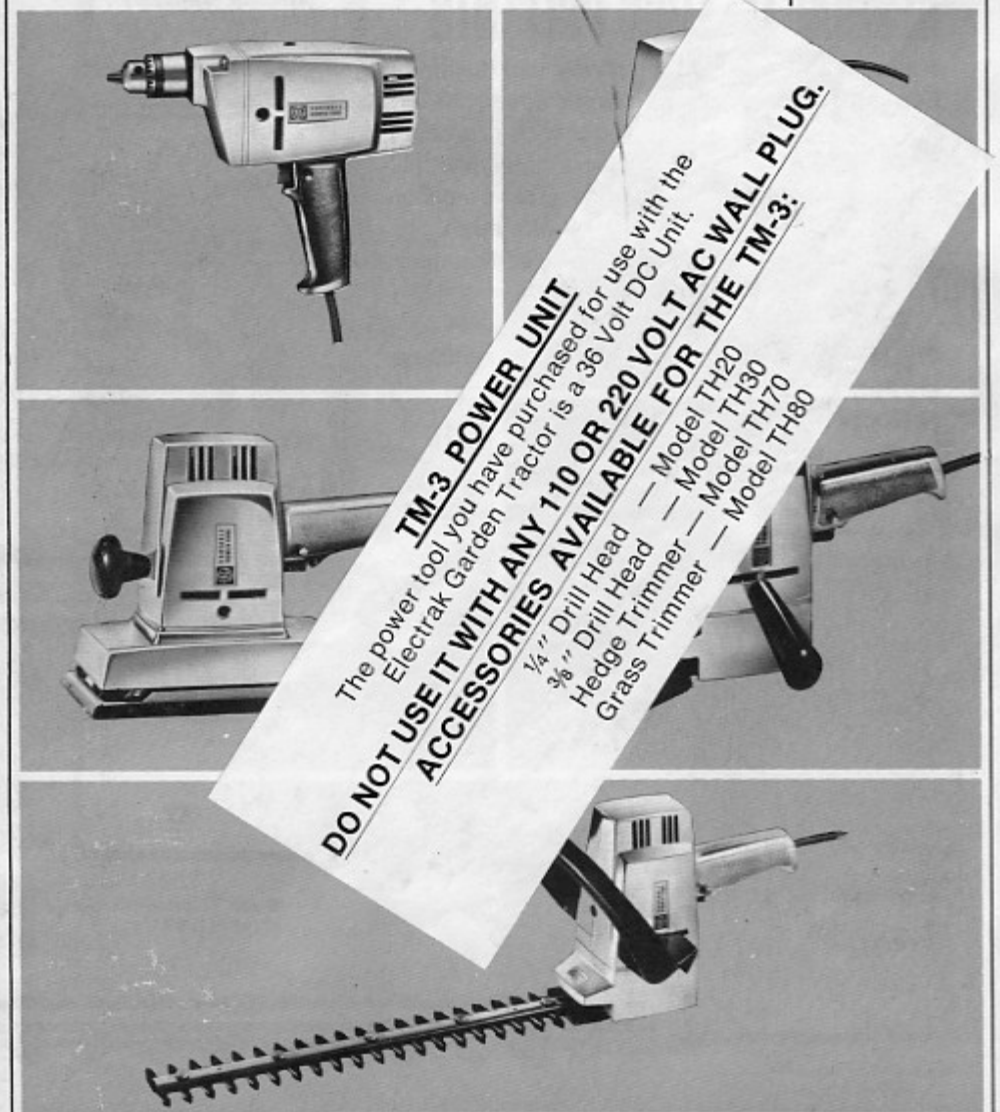
STANDARD SPEED OR VARIABLE SPEED

POWER TOOLS

GENERAL ELECTRIC

HOUSEWARES DIVISION

HD



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:

¼" Drill Head — Model TH20
⅜" 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.

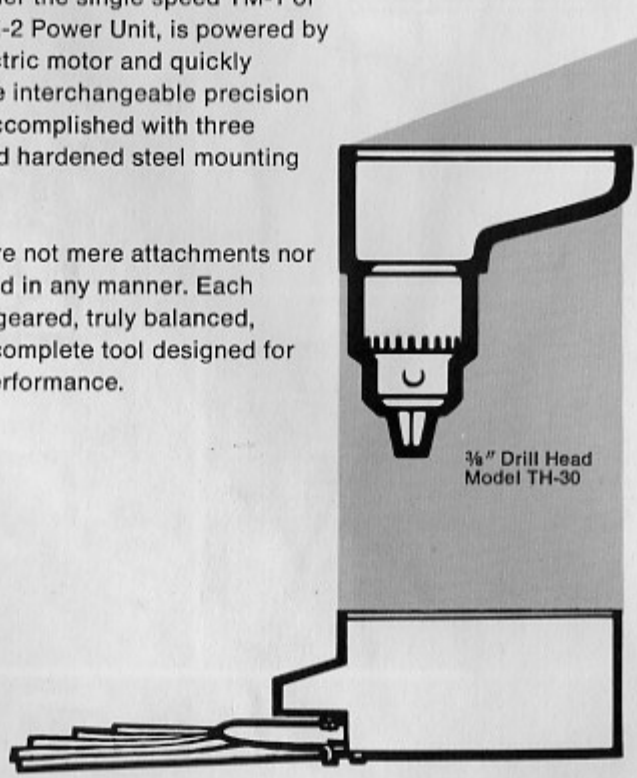
File this book for future reference and keep as a record of your warranty. Date purchased or received as a gift

_____

GENERAL ELECTRIC PRESENTS

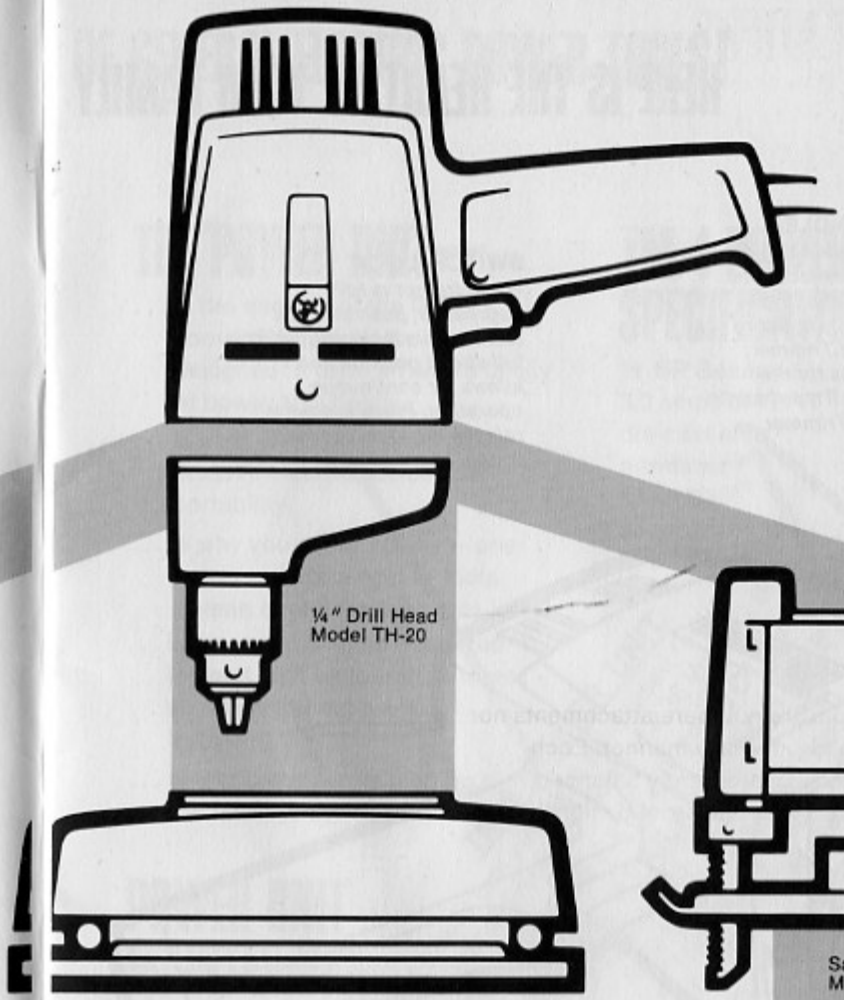
a new concept in precision power tool design. Each Power unit, either the single speed TM-1 or the speed control TM-2 Power Unit, is powered by a ⅓ HP General Electric motor and quickly attaches to any of the interchangeable precision tool heads. This is accomplished with three permanently attached hardened 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.



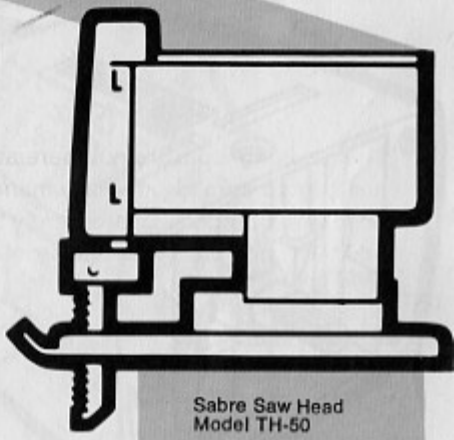
⅜" Drill Head
Model TH-30

Grass Trimmer Head
Model TH-80

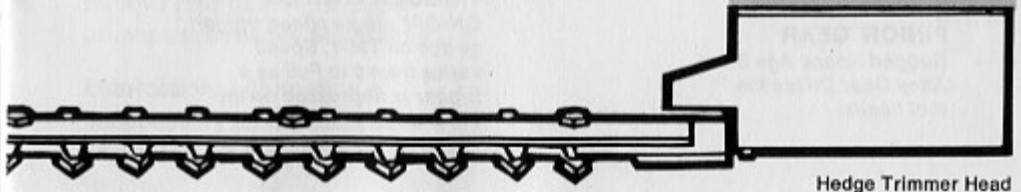


¼" Drill Head
Model TH-20

Sander Head
Model TH-60



Sabre Saw Head
Model TH-50

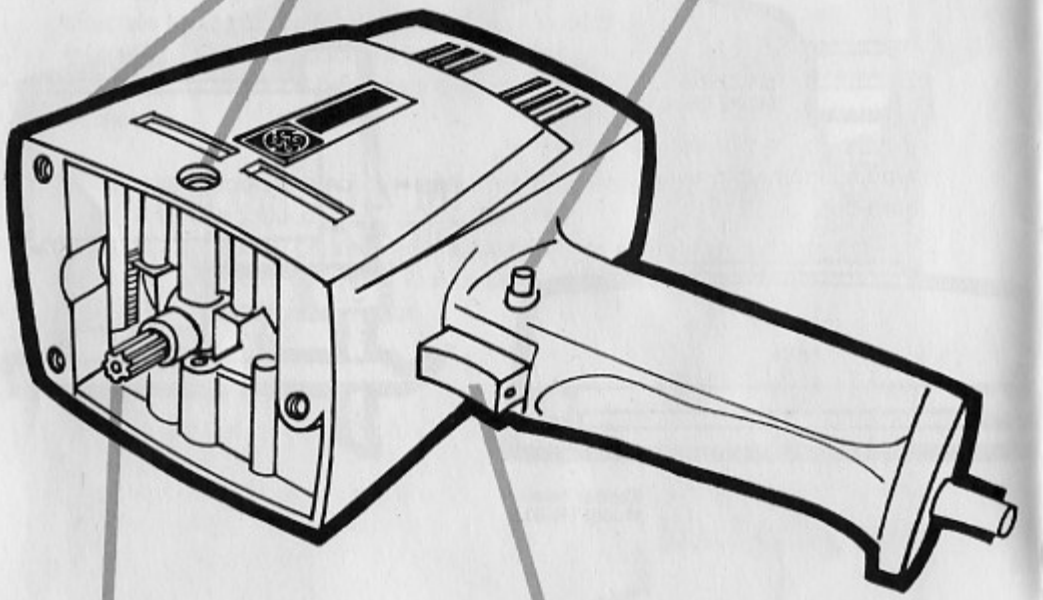


Hedge Trimmer Head
Model TH-70

HERE IS THE HEART OF YOUR FAMILY

HELPER HANDLES
Can be attached in any of three convenient locations. Equipped with stick type handle for ⅜" 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.



PINION GEAR
Rugged Space Age Steel Alloy Gear Drives the tool heads.

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.

OF GENERAL ELECTRIC POWER TOOLS!

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.

POWER UNIT MAINTENANCE

Cooling: Be sure air vents are maintain e.

Brushes: In the ev need service, unplug casing screws and lift th remove rear bearing strap, a. brushes are readily accessible.

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

TM-1 POWER UNIT SPECIFICATIONS

⅓ HP General El motor rated 3.0 amps at 12 nly; die-cast alur permanent 6 foot 3- adapt Und u

TM-3 POWER UNIT
The power tool you have purchased for use with the Electrak Garden Tractor is a 36 Volt DC Unit.
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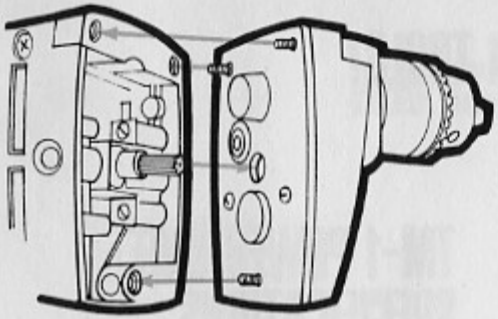
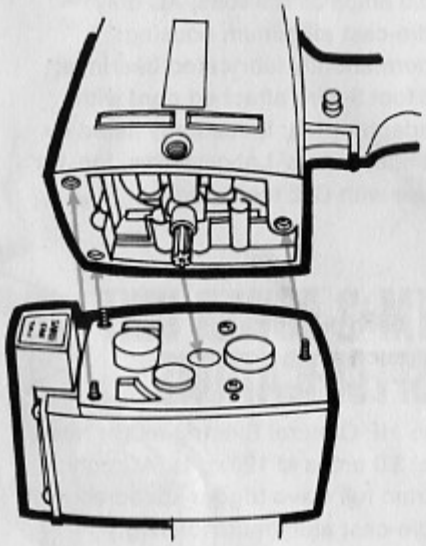
ACCESSORIES AVAILABLE FOR THE TM-3:
— Model TH20
— Model TH30
— Model TH70
— Model TH80

c motor rated olts, AC only; gger speed control; um housing; lubricated bearings; re attached cord with plug; industrially listed by writers' Laboratories, Inc. for 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:



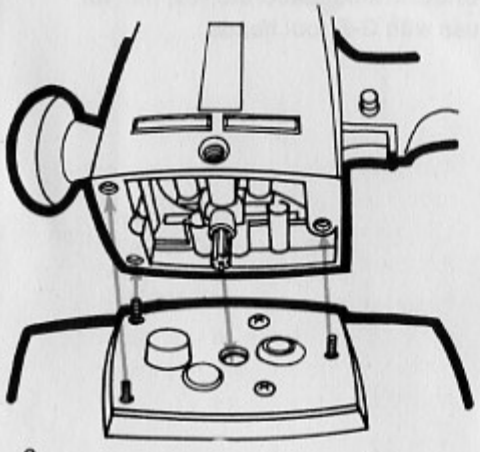
STEP 1 — Insert the power unit pinion gear into the hole in the back plate of the tool head.

STEP 2 — Tighten all three tool head mounting screws.

***STEP 3** — Back off each screw ¼ turn, and run the tool for a few seconds to allow the bearings to properly adjust.

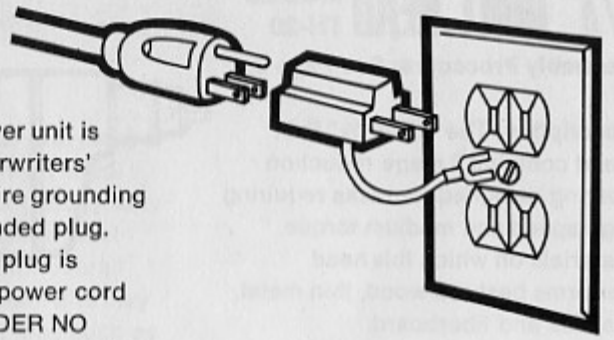
***STEP 4**—Securely retighten screws and the tool is ready to use.

*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.

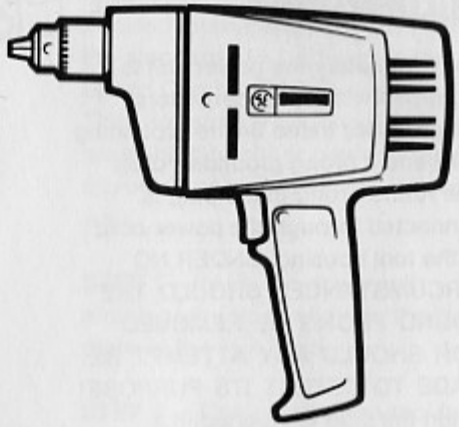
If your 2-wire outlet is not grounded or if you are not sure, a wire can be attached to the green lead on the 3 to 2 prong adapter and then to a cold water pipe, a grounded conduit, or a metal grounding rod which has been driven deeply into the ground; such as an existing telephone or TV antenna ground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

1/4" DRILL HEAD MODEL TH-20

Assembly Procedure: See Page 6.

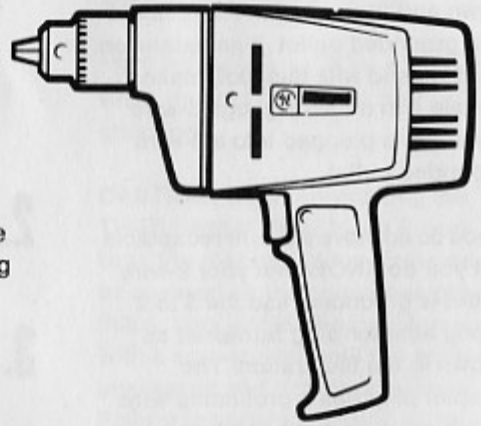


Description: The TH-20 ¼" Drill Head contains 2 stage reduction gearing designed for tasks requiring high speed and medium torque. Materials on which this head performs best are wood, thin metal, plastics and fiberboard.

Specifications: Precision built Jacobs geared chuck opens 0 to ¼"; no-load full speed 1800 RPM; impact resistant gears; die-cast aluminum housing; weighs only 1 lb.; for use as TA-20 ¼" Drill or TA-20S Speed Control ¼" Drill.

3/8" DRILL HEAD MODEL TH-30

Assembly Procedure: See Page 6.

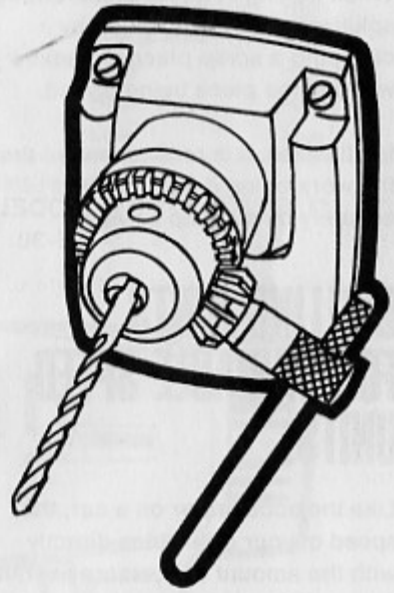


Description: The TH-30 ⅜" Drill Head contains 2 stage reduction gearing constructed for tasks requiring medium speed and high torque, such as drilling in metal, concrete, masonry and tile, and powering accessories such as wire brushes, grinding wheels, polishing pads and dial saws. Includes a stick type helper handle.

Specifications: Precision built Jacobs geared chuck opens 1/16" to ⅜"; no-load full speed 900 RPM; impact resistant gears; die-cast aluminum housing; weighs only 1 lb., 4 oz., for use as TA-30 ⅜" Drill or TA-30S Speed Control ⅜" Drill.

DRILL OPERATING INSTRUCTIONS

1. **Choice of Drill Bit:** Your drill can be only as good as the drill bit used. Make certain bits are of good quality and kept sharp. High speed steel bits are recommended for overall use, although carbon steel bits may be satisfactory for light jobs such as drilling wood or soft metal. When drilling concrete or masonry, be sure to use carbide tipped masonry drills. For holes over ½" in wood, use a spade bit, auger bit or dial hole saw. See the enclosed brochure for a complete list of drill bits offered by G-E and available by mail.



2. **Drill Bit Insertion:** Turn the drill chuck by hand until the jaws are open wide enough to take the bit size desired. Insert the bit shank into the chuck as far as possible. Close the jaws by hand. Tighten the chuck by inserting the chuck key wrench in each of the key holes in succession. Use all three holes, and to avoid slippage, use as much pressure as possible. To release the bit, only one hole need be used.

CAUTION: Always unplug drill when changing bits to avoid injury due to accidental starting of drill.

3. DRILLING HINTS:

a. Always use a sharp bit, preferably high speed steel for anything but wood.

b. Apply just enough pressure to the drill to keep it cutting — too little pressure and the drill dulls itself by spinning loosely in the hole; too much pressure and the drill may stall or the bit break. The pressure depends on the material being drilled.

c. When drilling in metal, put a drop of oil on the tip of the bit. For large holes in metal, an initial smaller pilot hole may simplify the job.

d. When drilling in wood, break-through splintering can be avoided by clamping a scrap piece of backup wood to the piece being drilled.

e. In all cases, it is recommended that the work being drilled be held securely by a clamp or vise.

4. DRILLING HINTS FOR VARIABLE SPEED UNITS:

a. Like the accelerator on a car, the speed of your drill varies directly with the amount of pressure exerted on the trigger switch. Your finger thus acts as a sensor, enabling you to maintain complete control over the speed. One of the major advantages of speed control drills is you can accurately start a hole in wood, metal, or other materials without using a hole punch or starter hole. Simply place the drill bit on the point where you want to drill and slowly squeeze the trigger, increasing speed as the bit works its way into the material.

b. Variable speed allows you to pick the most efficient drilling speed for the job to be done. The trigger can be locked at high speed by depressing the trigger switch locking button for applications such as polishing or sanding where constant speed for long periods of time is desirable. You should not lock the trigger on jobs where the drill may have to be stopped suddenly as the trigger must be depressed to release the locking button. If the tool becomes uncomfortably warm to the touch due to prolonged running at heavy loads, you need only to remove the tool from the work and run at full speed to allow the fan to cool it.

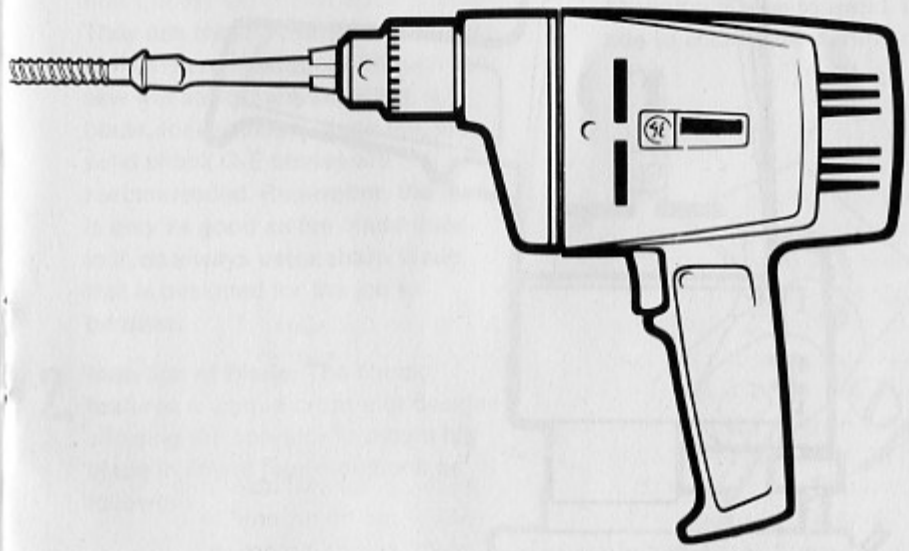
c. Your variable speed drill converts to a powerful screwdriver by inserting a driver bit. Start the screw slowly, increase speed as the screw begins to run down, and set the screw into the work by slowing to a stop. When driving screws in hard wood, a pilot hole is recommended.

d. The variable speed drill is ideal for driving accessories in that it allows you to select the most efficient speed for the accessory being used. The enclosed brochure shows those accessories available from G-E which can be ordered by mail to make your drill more versatile.

CHART OF SUGGESTED DRILLING SPEEDS

Material or Job	Bit or Accessory	Suggested Speed ¼" Drill	Suggested Speed ⅜" Drill
Wood	Twist Drill	High	High
Wood	Spade Bits	High	High
Wood	Auger Bits	Med. to Low	High to Med.
Wood	Hole or Dial Saw	Med. to Low	Medium
Heavy Metal	Twist Drill*	Medium	High
Light Metal	Twist Drill*	High	High
Masonry, Concrete, etc.	Carbide Tipped Bit	Low to Med.	Med. to High
Plastics	Twist Drill	Medium	High
Polishing	Lambs Wool Bonnet	Medium	High
Rough Sanding	Sanding Disc	High	High
Fine Sanding	Sanding Disc	Low to Med.	Medium
Wire Brushing	Wire Wheel	High	High
Grinding	Grinding Wheel	High	High
Driving Screws	Driver Bit	Low	Low

*Only high speed steel twist drills should be used for drilling in metal.

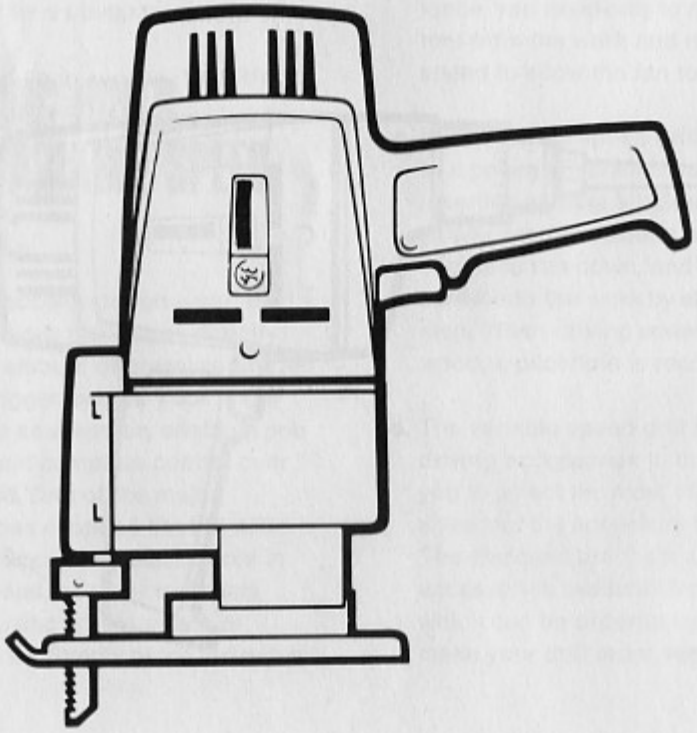


SABRE SAW HEAD MODEL TH-50

Assembly Procedure: See Page 6.

Description: You will find it one of the most versatile tools in your workshop. When using the proper blade, it will perform as a rip saw, cross cut saw, coping saw, scroll saw, compass saw, keyhole saw or jig saw. It is designed with a vertical orientation to make it extremely maneuverable. It combines a heavy duty sawdust blower with a forward mounted shaft to provide ideal visibility. The table shifts to three positions to provide flush cutting, bevel cutting or normal cutting. The blade chuck allows blade mounting in any of four directions. A rip/circle guide is included for accurate rip cuts or circle cutting. It is truly versatile, and a little practice will make it an indispensable tool in your workshop. A stick type helper handle is also included.

Specifications: 4-way ¼" blade chuck; stroke length ⅝"; 3300 strokes per minute; built-in sawdust blower; 3 position table; die-cast aluminum housing; weighs only 2 lbs., 3 oz.; for use as TA-50 Sabre Saw or TA-50S Speed Control Sabre Saw.



OPERATING INSTRUCTIONS

1. **Choice of Blade:** It is important the proper blade be used for the job being undertaken. Three basic blades are provided with the saw as follows:

AT-543 — Fine Scroll Cutting in Wood and Non-Ferrous Metals
AT-525 — General Straight Cutting in Wood
AT-503 — General Metal Cutting

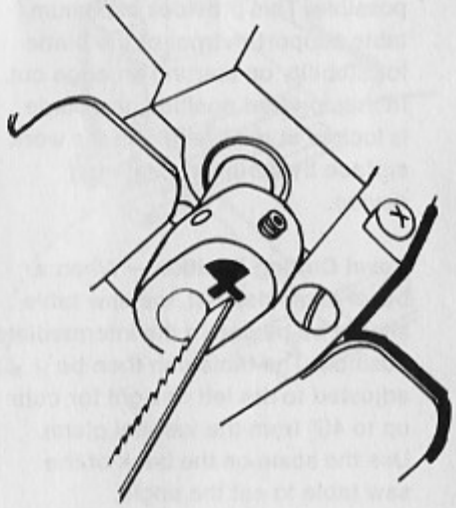
Replacements and other blades are available at retail outlets, G-E Servicenters, or you may order directly from G-E by filling in the enclosed mail order blank. You will notice that the G-E blades have no holes in the top of the blade shank. They are constructed in this manner to minimize breakage. Although the saw will accept any standard ¼" blade, for maximum blade life, the solid shank G-E blades are recommended. Remember, the saw is only as good as the blade used in it, so always use a sharp blade that is designed for the job to be done.

2. **Insertion of Blade:** The chuck features a unique cross-slot design allowing the operator to mount his blade in any of four directions as follows:

Forward: Normal Cutting
Backward: Cutting Pipe or Conduit
Left or Right: Flush cutting along a vertical obstruction or making edge cuts where maximum table support is desired.

To insert blade, loosen both set screws with the "L" shaped hexagonal wrench and insert the blade in the direction desired. When mounting the blade in the forward or backward positions, tighten the front chuck screw first and then the side chuck screw. Moderate pressure is adequate to hold the blade; extreme pressure may strip the screw threads. If you break the blade, loosen the chuck screws, remove the blade stub, and re-insert the broken blade for continued use.

CAUTION: Always unplug saw when changing blades to avoid injury due to accidental starting of saw.

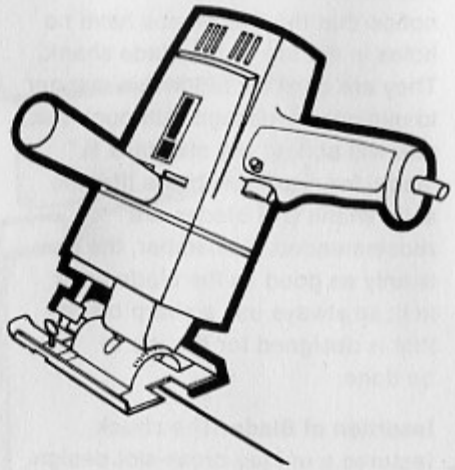


3. **Handling:** It is best to use only moderate forward pressure when sawing as forcing the saw into the work will cause blade breakage. A constant downward pressure should be exerted on the saw to eliminate vibration and keep the table flat. This can be accomplished by pushing down on top of the motor housing, or by firmly gripping the auxiliary stick handle mounted in the side position. Make certain the material being cut is securely clamped or supported so it will not vibrate. Heavy vibration will cause the blade to pull out of the chuck or break, besides greatly slowing the cutting operation.

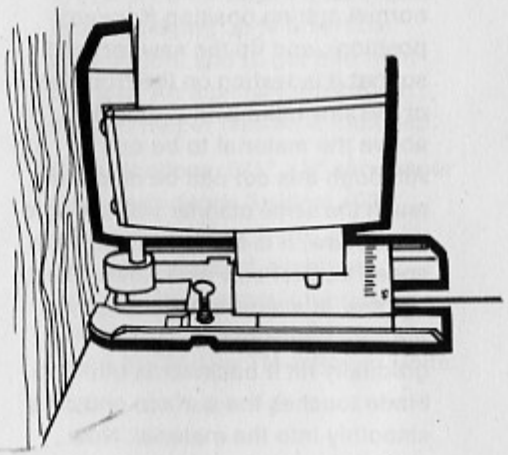
4. **Three Position Saw Table:** The saw table can be adjusted to 3 positions by loosening the locking screw on the bottom of the table.

Normal Cutting Position — For normal cutting, it is desirable to move the table as far forward as possible. This provides maximum table support in front of the blade for stability on starting an edge cut. In this forward position, the blade is locked at a 90° angle to the work surface by a built-in centering device.

Bevel Cutting Position — When a bevel cut is desired, the saw table should be placed in the intermediate position. The table can then be adjusted to the left or right for cuts up to 45° from the vertical plane. Use the scale on the back of the saw table to set the angle.



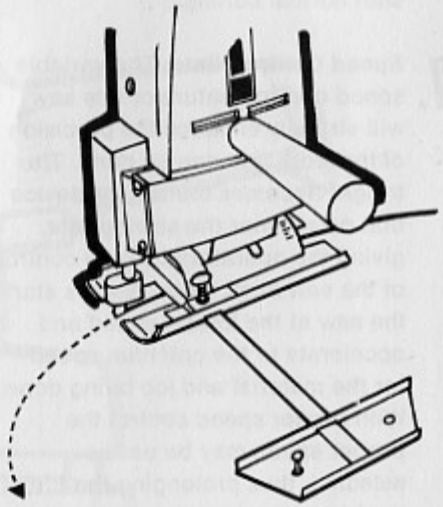
Flush Cutting Position — By sliding the table all the way back, it is possible to flush cut up to ¼" from a vertical obstruction. Flush cuts along a vertical obstruction may be accomplished by mounting the blade in sideways.



5. **Rip/Circle Guide:** The guide which is included with the saw is designed for two purposes: making long cuts parallel to an edge and cutting accurate circles.

For straight cuts, the guide can be inserted in either direction in the slot in the table. Adjust the guide to the width desired, and secure it by tightening the set screw which holds it. Using the edge of the material as a guide, you are ready to start your cut.

For circle cuts, remove the guide and turn it over, reseating it in the table. Set the guide into position for the radius desired, and secure it with the thumb screw. Make a pocket cut or drill a pilot hole on the circumference at the desired circle and insert the saw blade. (Making perfect circles starting from the edge of a board is exceedingly difficult.) With the blade on the circumference of the circle, locate the center of the circle and drive a small nail through the forward hole in the guide at this point. Just remember not to force the saw — let it do its own cutting and you will have a perfect circle. For best results, it is recommended that you use the AT-543 scroll blade or its equivalent for circle cutting.



6. **Pocket Cuts:** This saw is designed to make its own starting hole without need for a lead or pilot hole. To do this, set the table in the normal cutting position (forward position), and tip the saw forward so that it is resting on the front feet of the saw table with the blade above the material to be cut. Although this cut can be made in much the same manner with a single speed saw, it is best made with the speed control saw as follows: Start the saw at a slow speed. Gripping the saw firmly and steadily, gradually tilt it backwards until the blade touches the surface and cuts smoothly into the material. Now accelerate the cutting speed, and continue to lower the blade until it has made its own starting hole. Always be certain that the saw blade has cut all the way through the material before attempting to start normal cutting.

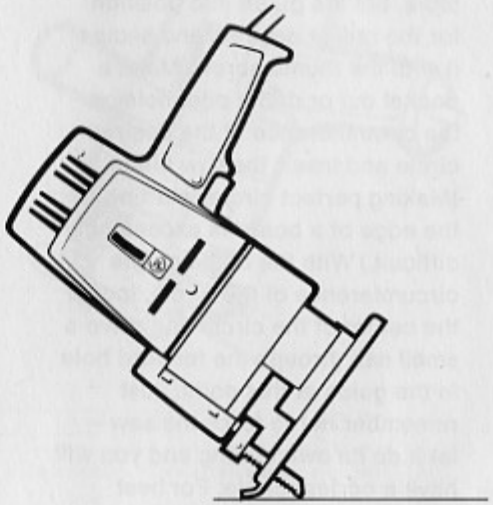
7. **Speed Control Hints:** The variable speed control feature of this saw will strongly enhance the precision of the work that can be done. The trigger becomes the sensor device that determines the sawing rate, giving the operator absolute control of the saw at all times. Always start the saw at the lowest speed and accelerate to the optimum speed for the material and job being done. With trigger speed control the proper speed may be easily selected, thus prolonging the life of the blades and making a smooth cut. As a general rule of thumb, the following apply:

HIGH SPEED —Wood and Composition Board

MEDIUM SPEED —Sheet Metal, Pipe Soft Ferrous Metals, and most Non-Ferrous Metals such as Brass, Copper and Aluminum

LOW SPEED —Textolite® and associated Materials, Plastics, Hard Ferrous Metals and Tile

When cutting straight lines or rough contours, the operator may wish to lock the switch at full speed. For intricate scroll cutting, it is recommended that the trigger not be locked so the operator can maintain instant finger control over the speed. In this way he can slow the saw to a speed he can handle, and thus accurately and easily cut an intricate pattern.



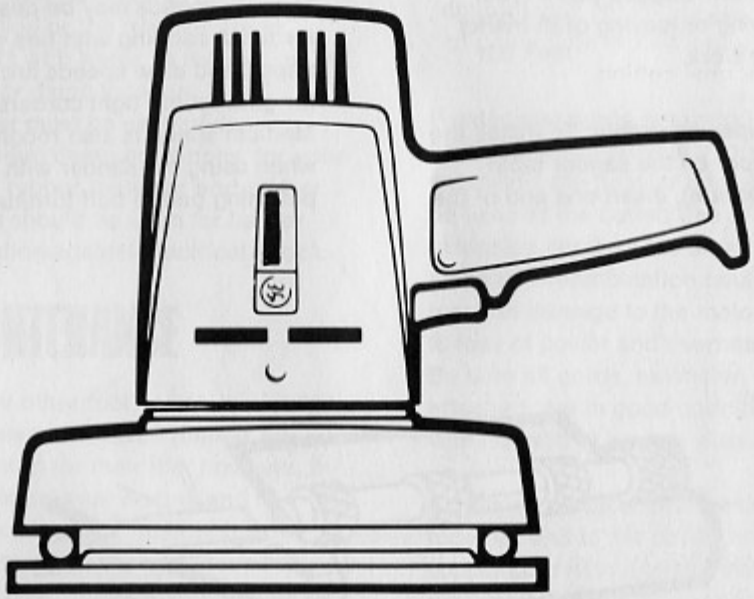
ORBITAL SANDER HEAD

MODEL
TH-60

Assembly Procedure: See Page 6.

Description: The Sander is designed for fast wood removal. Being relatively vibration free and well balanced for horizontal or vertical use, it is comfortable to use for extended periods of time. Only moderate downward pressure is recommended for fastest wood removal and smoothest finish. When possible, sanding should be done with the grain of the wood, although the orbital action makes it possible to sand against the grain with the minimum of scratching. The sander is designed for flush sanding and feather edging up to a vertical obstruction, and to get into tight corners. An auxiliary mushroom shaped helper handle is included.

Specifications: 3⅔" x 9" sandpaper size; flush sands 3 sides; 4000 orbits per minute; 3/16" orbit diameter; die-cast aluminum housing; permanently lubricated bearings; weighs only 2 lbs.; for use with TM-1 or TM-2 Power Units.

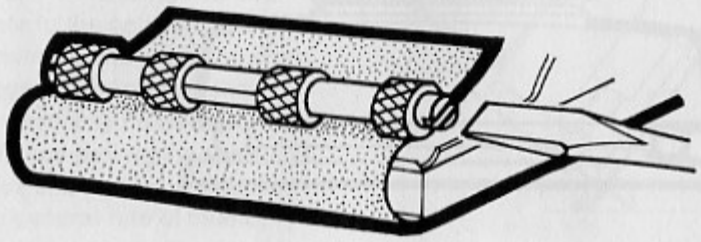


OPERATING INSTRUCTIONS

1. **Choice of Sandpaper:** It is highly recommended that aluminum oxide abrasive paper be used, as flint sandpaper will break down under the sander's high speed action. Aluminum oxide paper can be purchased pre-cut to the proper 3⅔" x 9" size (see enclosed brochure), or standard size 9" x 11" sheets may be purchased and cut into thirds to fit. Always use the finest grit abrasive paper that will accomplish your job, as the coarser the paper the more it will scratch. For an extra smooth finish, complete the job by going over the work with fine grit sandpaper. Change the paper as often as it fills with dust to prevent the clogged paper from scratching or leaving orbit marks on your work.

2. **Sandpaper Assembly:** To install the sandpaper on the sander table (see diagram), insert one end of the pre-cut sheet under one of the knurled roller clamps on either end of the table, turning the roller clamp with a screwdriver until the paper is held firmly by the knurled portion of the clamp. Then, bend the sandpaper around the table and start the other end into the other clamp — turning the clamp with a screwdriver until the paper is taut. Folding the paper ½" from each end may simplify insertion into the clamps. For best performance, make certain the abrasive paper is always held tight around the sander table.

3. **Variable Speed:** Trigger speed control makes it possible to set the sanding speed for the job to be done. However, for fastest wood removal, it is desirable to lock the trigger control at full speed. Medium speeds may be desirable for finish sanding with fine grit paper, and slow speeds are helpful for getting into tight corners. Medium speed is also recommended when using the sander with a polishing pad to buff furniture.



GARDEN TOOLS IMPORTANT SAFETY PRECAUTIONS

In addition to the precautions on Page 7, the following precautions must be observed for Lawn and Garden Tools:

1. **For your own safety,** DO NOT under any circumstances use these tools without a properly grounded 3 wire connection or 3 wire extension cord.
2. Keep cord away from the cutting edges to avoid cutting the cordset or extension cord.
3. Be careful not to get clothing or fingers near the blades.
4. These tools should not be used when you or the trimmer are in contact with water, in the rain, or in a wet or damp location. If the trimmer **must** be used under somewhat damp conditions, for your safety rubber footwear and rubber gloves should be worn for further protection against electrical shock.

MAINTENANCE

Like all other tool heads, the Hedge Trimmer and Grass Trimmer are lubricated for their life; however, in order to prevent rusting and to reduce wear and friction, it is recommended that the blades be lightly oiled with a light machine oil after each use. A few drops of oil should be put into the holes provided on the hedge trimmer blade and to the cover plate on the grass trimmer. Operate the unit for a few seconds after oiling to distribute the oil. The hardened steel blades are self-sharpening; hence, will not require sharpening with use.

RECOMMENDED EXTENSION CORDS **

Only Underwriters' Laboratories listed extension cords should be used, and they must be a heavy gauge 3 wire cord. The length of cord being used determines the wire gauge or size which must be used. The following table gives the recommended gauges for different lengths of 3 wire extension cords:

CORD LENGTH	WIRE GAUGE
25 Feet	#18 — 3
50 Feet	#18 — 3
100 Feet	#16 — 3

If extension cords are used in combination to provide a longer extension, the heavier cord should be used at the outlet. Use of extension cords of too small gauge alone or in combination could result in damage to the motor due to loss of power and overheating. Be sure all cords, extension or attached, are in good condition with no bare or broken wires.

Extension cords should be tied together and to the power unit supply cord with a loose knot to prevent the plugs from separating.

**NOTE: These recommendations apply to all tools as well as the Lawn and Garden Tools.

HEDGE TRIMMER HEAD MODEL TH-70

Assembly Procedure: See Page 6.

Description: The Hedge Trimmer head is designed for use with either the G-E TM-1 Single Speed or TM-2 Speed Control Power Unit. The 15" blade with cutting edges on both sides allows for fast, effective trimming of shrubs and hedges in either direction. It contains a two-stage reduction gearing system designed to operate the cutting blades at 750 strokes per minute, and is provided with a bail type handle for perfect balance and handling ease.

Specifications: 15" double-edged hardened steel cutting blades, 750 strokes per minute; die-cast aluminum housing; permanently lubricated bearings; weighs only 2 lbs., 8 oz.

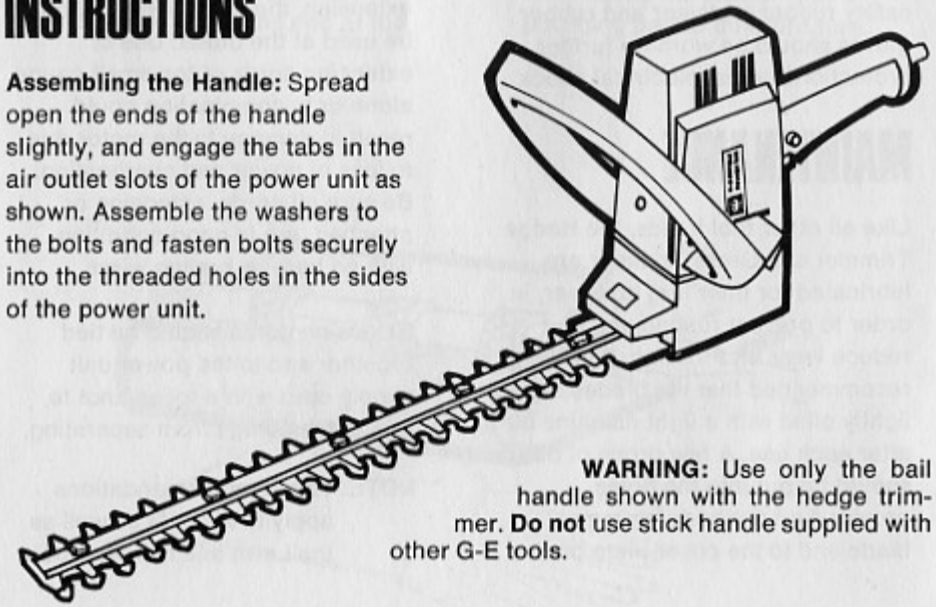
OPERATING INSTRUCTIONS

1. **Assembling the Handle:** Spread open the ends of the handle slightly, and engage the tabs in the air outlet slots of the power unit as shown. Assemble the washers to the bolts and fasten bolts securely into the threaded holes in the sides of the power unit.

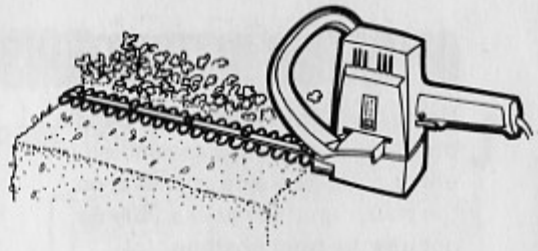
2. **Trimming:** The hedge trimmer can be used to trim and shape any hedge, bush, or shrub. In general, hedges and shrubs can be trimmed any time during the growing season, except Spring flowering bushes such as Spirea and Lilac which should not be trimmed in the Spring until after they have flowered and the blossoms have started to wilt.

3. **Handling of the Trimmer:** To prevent accidental starting, always be sure the switch on the power unit is "OFF," and not in the locked "ON" position before plugging the unit into a power source. Before operating, be sure the cordset is out of the way. It can be passed over one shoulder, behind the neck, and back over the other shoulder.

   Hold the bail handle with one hand and the power unit handle with the other. The switch may be depressed and held by hand or may be locked in the "ON" position. (If you are using the speed control power unit, the switch should be fully depressed or locked at high speed for best cutting efficiency.) Operate the hedge trimmer with a back and forth swinging motion. The double edged blades will cut on both strokes, in both directions. The swinging motion will also clear branches from the bush being trimmed.



WARNING: Use only the bail handle shown with the hedge trimmer. **Do not** use stick handle supplied with other G-E tools.



4. **Caution:** Be careful to avoid cutting the cordset or extension cord. Do not get the cutting blades caught in wire fencing or other solid objects, since permanent damage to the mechanism may result. Be careful not to get clothing or fingers near the blades.

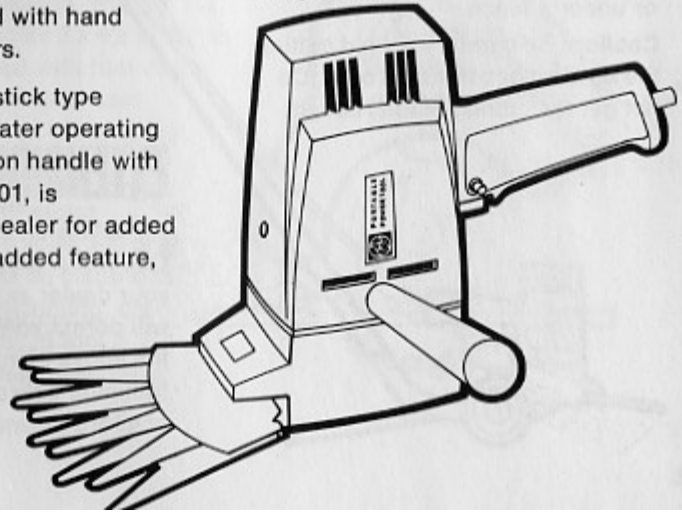
GRASS TRIMMER HEAD MODEL TH-80

Assembly Procedure: See Page 6.

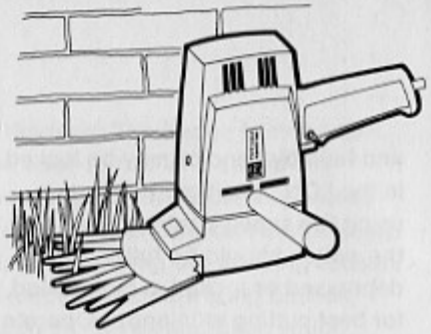
Description: The Grass Trimmer head is designed for use with either the G-E TM-1 Single Speed or TM-2 Speed Control Power Unit. The grass trimmer can be used to quickly and easily trim grass along sidewalks, driveways, under bushes, fences, along garden borders—any place you cannot normally reach with your lawnmower and where you formerly trimmed with hand operated grass shears.

It is provided with a stick type helper handle for greater operating ease, and an extension handle with wheels, Cat. No. AT801, is available from your dealer for added convenience. As an added feature, the grass trimmer has a built-in clutch which will slip to prevent damage to the mechanism, should the blades engage hard objects which will not cut. A stick type helper handle is included.

Specifications: 5" cutting width; 750 strokes per minute; die-cast aluminum housing; permanently lubricated bearings; weighs only 1 lb., 12 oz.



OPERATING INSTRUCTIONS

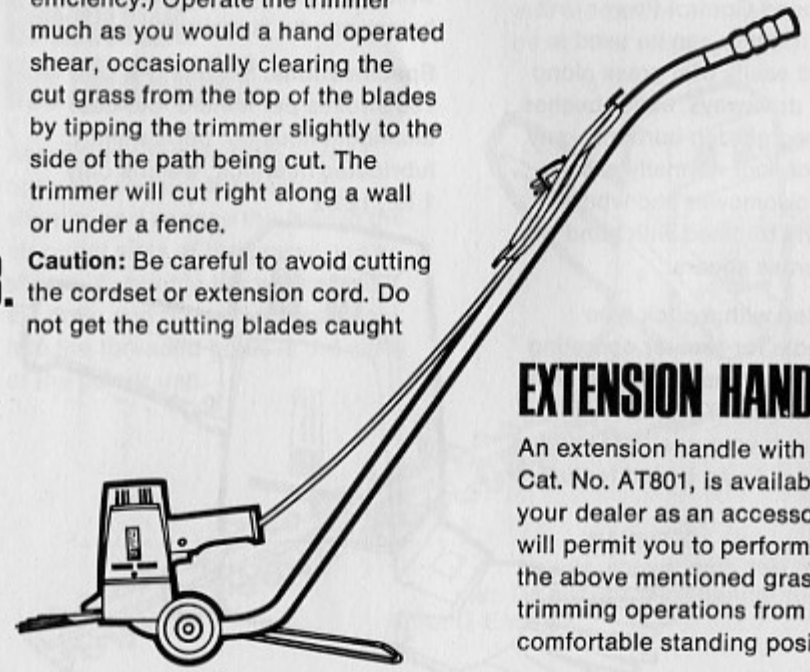


1. **Using the Stick Handle:** The handle provided can be used assembled in either of the two **side** positions on the power unit. **For your safety do not use the front position.**

2. **Handling the Trimmer:** Before operating, be sure the cordset is out of the way. To prevent accidental starting, be sure the switch is "OFF" and not in the locked "ON" position before plugging the unit into a power source.

   Hold the stick handle with one hand and the power unit handle with the other. The switch may be depressed and held by hand or may be locked in the "ON" position. (If you are using a speed control power unit, the switch should be fully depressed or locked at high speed for greatest cutting efficiency.) Operate the trimmer much as you would a hand operated shear, occasionally clearing the cut grass from the top of the blades by tipping the trimmer slightly to the side of the path being cut. The trimmer will cut right along a wall or under a fence.

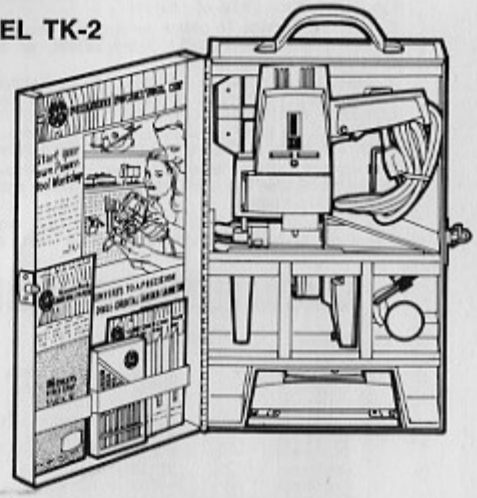
3. **Caution:** Be careful to avoid cutting the cordset or extension cord. Do not get the cutting blades caught in wire fencing or on other solid objects. If you do accidentally catch the blades on fencing or solid objects such as stones, the built-in clutch is designed to slip to protect the mechanism. If this happens, shut off the motor immediately, disconnect the cord, and remove the object or withdraw the blades from the object. DO NOT ATTEMPT TO DISLODGE THE OBJECT WITHOUT FIRST SHUTTING OFF THE MOTOR AND DISCONNECTING THE CORD. At all times be careful not to get clothing or fingers near the blades.



EXTENSION HANDLE

An extension handle with wheels, Cat. No. AT801, is available from your dealer as an accessory. It will permit you to perform all of the above mentioned grass trimming operations from a more comfortable standing position.

HERE IS YOUR SPEED CONTROL PORTABLE WORKSHOP MODEL TK-2



Start your own power tool workshop with this convenient space and money saver! The TK-2 Speed Control Power Tool Kit contains the following items:

Case: This 11" x 5" x 18" 24 gauge metal container, equipped with sturdy handle, full length hinge, and metal clasp, is styled in a bright blue "Dentone" finish. It can be conveniently hung on the wall or stored on the workbench.

TM-2: *Full Wave* speed control power unit with trigger lock, 8 foot 3 wire cord, and adapter plug.

TH-30: ⅜" Power Drill Head, chuck key, helper handle, and ten high speed steel drill bits (1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", and 1/4") in a plastic storage case.

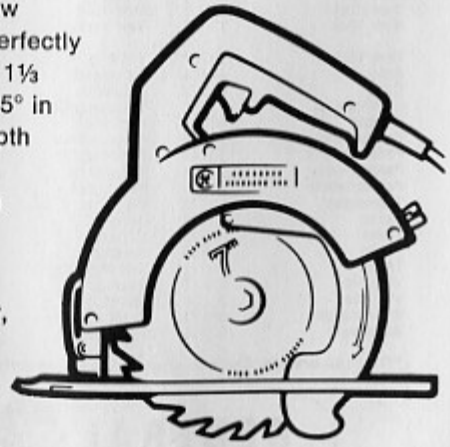
TH-50: Sabre Head with rip/circle guide, 3 sabre saw blades (2 wood cutting, 1 metal cutting) in a plastic storage pouch.

TH-60: Orbital Sander Head with helper handle and 9 sheets of assorted grit aluminum oxide abrasive paper.

Also available, Model TK-1, with the standard motor unit, Model TM-1, substituted for the speed control motor unit.

Also—complete your Power Tool Workshop with this basic workhorse:

The TC-1 Circular Saw is a big 7" saw that weighs only 10 pounds and is perfectly balanced for easy handling. With its 1⅓ horsepower motor it cuts 2 x 4's at 45° in seconds. It is equipped with rear depth and bevel controls for better user visibility and a bind-free telescoping blade guard for safety.



Specifications: 1⅓ HP motor rated at 9.0 amps, 115 volts, AC only, no load speed 5000 RPM, blade size 7", slip clutch blade mounting, die cast aluminum housing, 6 foot attached cordset, industrially listed by U.L., Inc.

WARRANTY

To the original Purchaser for use of this new product the General Electric Company gives the following warranty, subject to the conditions listed below:

1. Warranty Any part of the product which proves to be defective in material or workmanship within one year of the date of original purchase for use will be repaired or replaced, at General Electric's option, free of charge.

2. Warranty Service To obtain service this product should be sent, charges prepaid, to the nearest General Electric Servicenter listed herein, or to an authorized Service Station, listed in your classified telephone directory.

3. General Provisions The foregoing shall constitute the sole and exclusive remedy of any purchaser of this product for breach of warranty, AND IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS. In no event shall General Electric Company be liable for special or consequential damages, or for any delay in the performance of this warranty due to causes beyond its control.

The warranty printed above does not cover damage resulting from accidents, misuse or abuse, or failure to follow use and care instructions, and it does not cover the use of this product for commercial purposes.

This warranty is applicable only where the product is purchased for use within and retained within the States of the United States of America.

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