



Electrak[®]

Power Mower

E1 Owner's Use and Care Manual



GENERAL  **ELECTRIC**



Elec-Trak®

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® TRADEMARK

Introduction

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 GE Power Mower *and assure safe operation* be sure to read this entire booklet for important, helpful information.

Your ELEC-TRAK equipment dealer has trained service personnel using the latest approved test and repair equipment and will service your mower to assure safe, efficient, and economical operation. **UNAUTHORIZED SERVICE VOIDS WARRANTY.**

WARRANTY REGISTRATION

You must complete and submit a Delivery Card to General Electric before your Warranty Registration is completed. To assure proper warranty coverage be sure that the card enclosed is properly dated and is sent to the General Electric Company at the address shown below.

Manager — Product Service
Outdoor Power Equipment Operation
General Electric Company
Corporations Park
Schenectady, New York 12345

Your dealer may also record the ELEC-TRAK Warranty Registration and model number of your General Electric power mower.

Remember to specify model number when ordering parts.

This manual does not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purpose, the matter should be referred to your authorized ELEC-TRAK tractor dealer.

IMPORTANT:

MOW IN SAFETY BY FOLLOWING THESE RULES

Engineering design skill and user experience have been combined in your power mower to provide safety and cutting efficiency. However, as with any type of power equipment, carelessness or error on the part of the operator can result in injury. Protect yourself and others by observing these safety rules.

Before Mowing . . .

1. Know your mower adjustments. Read operating instructions carefully.
2. Make sure lawn is clear of sticks, stones, wire and debris that could be thrown by blade. Place large objects such as sand boxes, tricycles and swings where you will not step back and trip over them.
3. Mow only in daylight and never when grass is wet.
4. Never mow in bare feet. Wear hard-toed or safety shoes.
5. Use a UL approved, outdoor, three-wire safety cord plugged into a grounded outlet (accepts 3-prong plug). Connect cord to power source first. Make sure switch is "off", then connect cord to mower, tying a knot in cord to prevent accidental separation of connection.
6. Do not start mower when it is standing in high grass, on a slope, or on a loose surface.

When Mowing . . .

1. Keep children and pets at a safe distance. Caution other persons to stay clear. Turn mower off if anyone comes near.
2. Do not allow anyone to operate mower without instruction. Never permit young children to start or operate your mower. Older children should be supervised.

3. Watch for objects in grass. Avoid hitting anything with blade.
4. Keep hands and feet well clear of mower deck. Do not move or steer mower with foot pressure. Never lift machine off ground or carry it while blade is rotating.
5. Switch "off" when pushing mower across drives or roads. Switch "off" and disconnect cord when leaving mower.
6. Never run while mowing. Cut by pushing, not pulling mower.
7. Mow across a slope, not up and down. Be careful of your footing.
8. Switch "off" and disconnect cord before removing grass catcher or making any adjustments.
9. When moving on rough surfaces or in high grass, select highest cutting position to minimize possibility of hitting hidden objects.
10. If mower blade strikes a solid object, switch off, disconnect cord and examine mower carefully for damage before further use.

MAINTENANCE

1. Always switch "off" and disconnect cord before checking mower. Be sure blade has stopped rotating.
2. Maintain mower properly, frequently checking —
 - a. Handle mounting and assembly.
 - b. Blade mounting.
 - c. Blade for damage.
 - d. All nuts and bolts for tightness.
 - e. Cord for cuts and insulation defects.

UNPACKING AND HANDLE ASSEMBLY

The E1 may be quickly and easily assembled using an adjustable wrench and a pair of pliers.

1. Remove all parts from the carton. The mower is shipped with all electrical connections intact and only assembly of the handle is required. (Figure 1.)
2. Remove bolts, nuts, washers and cotter pins packed in a bag with your mower.
3. Place the upper-half of the handle on the lower-half, with the cord and switch box on the same side of the mower as the cord to the motor. Line up the holes and push through the bolts. Tighten nuts with a wrench.

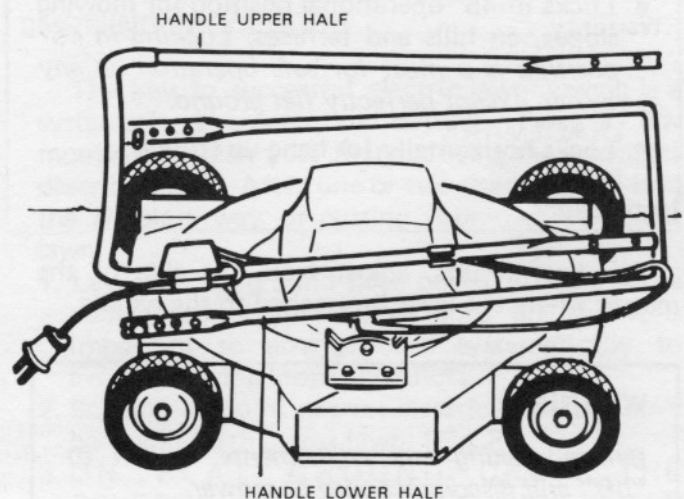


Figure 1

- Place the lever on the lower-handle end so its slot is over the pivot-shaft and its pin is in the middle handle-hole. Add a washer to the pivot-shaft.
- Holding the handle upright, slide the pivot-shaft into the hole in the handle bracket. (Figure 2.)

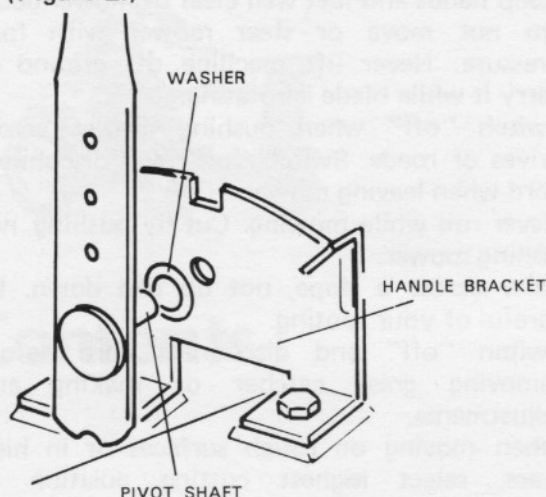


Figure 2

- To install other pivot-shaft, add washer and pull the bottom of the handle out beyond the bracket and guide it into the hole.
- Place cotter pins through holes in pivot-shafts and bend.
- The handle now swings freely between the "use" positions for reversible cutting.

5-POSITION HANDLE OPERATION

Use of Lock Lever — Safety and Convenience

Your mower has a handle which:

- Locks in the vertical position for storage on wheels.
- Locks in 45° operational position for mowing slopes, on hills and terraces. *Locking in 45° position is a must for safe operation on any terrain except perfectly flat ground.*
- Locks horizontally for hang-up storage.

Instructions

For best results, adjust from the side of the mower where the lever is attached to the handle.

WARNING:

Before making any adjustments, switch to "off" and disconnect cord at mower.

Vertical (See Figure 3)

- With the handle in a vertical position, disengage the pin on the lever from the handle by pushing the top of the lever toward the center of the mower.
- Drop the lever to the lowest position such that the tongue on the lower end of the lever engages in the slot in the bottom of the handle bracket and the lever pin snaps into the lower hole in the handle.
- Return the lever to the position shown in Figure 3 for regular swing-over action.

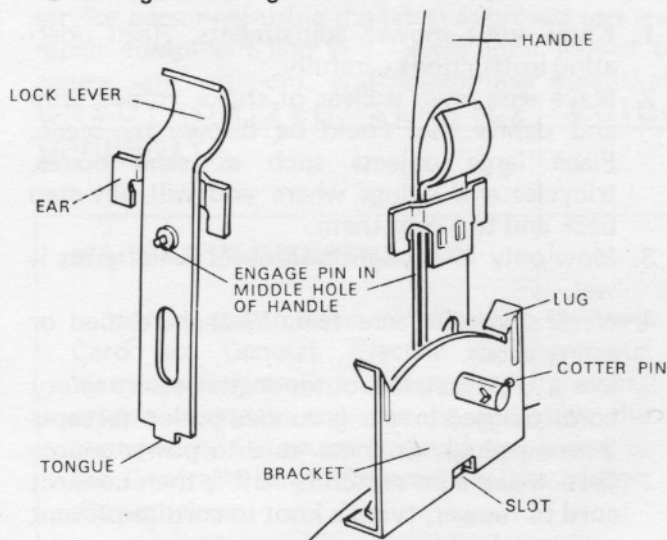


Figure 3. Vertical Lock

45° Lock Operational Position (See Figure 4)

- With the handle in either "use" position, disengage the lever-pin from the handle by pushing the top of the lever toward the center of the mower.
- Drop the lever to the lowest position such that the ear on the side of the lever hooks under the bracket lug and the lever-pin snaps into the lower hole in handle.
- Return the lever-pin to the middle hole as shown in Figure 2 for regular swing-over action.

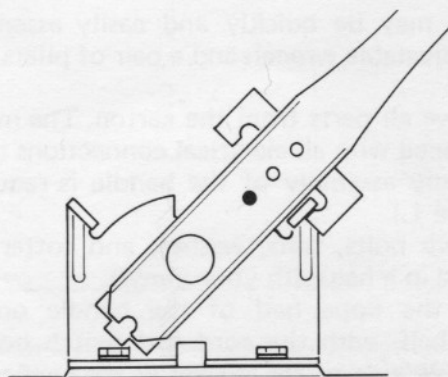


Figure 4. 45° Lock Operational Position

Horizontal Lock (See Figure 5)

1. Disengage the lever-pin from the handle by pushing the top of the lever toward the center of the mower.
2. Move the lever to the opposite direction to which the handle is resting.
3. Pull the lever outward and rest against the bracket lug so the lug is in the center of the back of the lever between the two dimples.

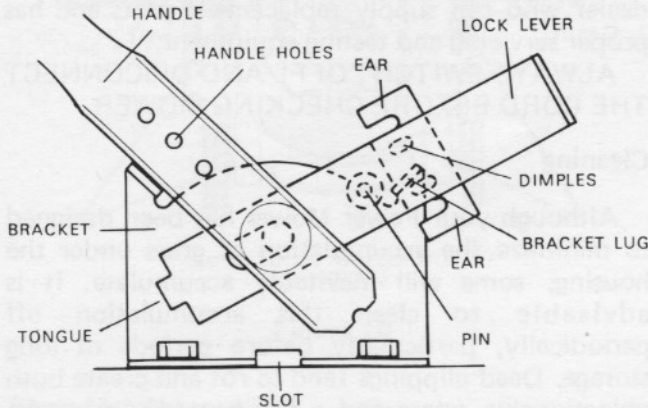


Figure 5

4. Go to the opposite side of the mower (discharge chute side). Support the weight of the handle to prevent it from falling accidentally, spread the lower handle until it clears handle bracket lug, and lower the handle to the horizontal position.
5. Raise the handle for regular swing-over action by reversing 3 and 4.

ELECTRICAL SAFETY

If your home is not equipped with a 15-amp grounded 3-hole outdoor or garage receptacle, your electrical contractor can install one or more at nominal cost.

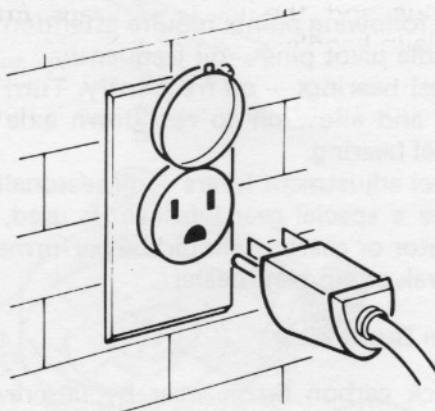


Figure 6

A properly grounded outlet is a "must" for outdoor use and safe operation of electrical tools and appliances.

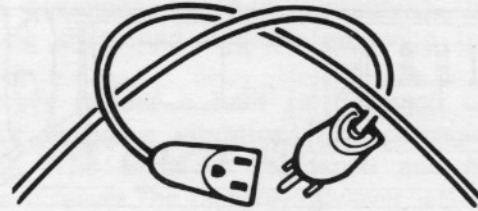


Figure 7

Your Power Mower is equipped with a 3-prong plug for use with a three-wire extension cord. *Use only a three-wire extension cord to obtain the electrical safety built into your Power Mower.* The extension cord should be connected at the Power Mower as shown in Figure 7. Tying in this manner helps to prevent accidental separation.

LAWN CARE

Lawn care experts say that long continued, excessively close cutting is responsible for much of the difficulty experienced on many lawns. The depth and strength of the roots of grass are almost exactly proportional to its top growth. Grasses of mature lawns often are seriously injured when mowed shorter than 1½ inches, and a height of 1½ to 2-inches is preferred on large lawns. Lawns should first be mowed in the spring when the grass is about 2½ to 3-inches high. Mowing too early restricts the grass root systems which renew themselves every spring. New grass should be clipped lightly when it is about 2½-inches high.

The mower blade must be sharp. A dull blade bruises the tips of the grass and causes a brownish appearance. It may pull up young seedlings.

Frequent cutting ensures that the lower, less attractive part of the grass will not show, and also leaves fewer clippings to wither up and smother the grass and give an unsightly appearance. The grass should be cut often enough so that not more than 1-inch of length is removed at one time.

MOWING PROCEDURE

The key to successful electric lawnmowing is a systematic approach to cutting. Take a few moments to plan your first cut using the principles described here. After one or two uses you will find the simplest way of cutting your own particular lawn.

1. Lay cord on ground near outlet in neat, loose coils with mower end of cord on top. It is important to arrange cord systematically to avoid annoying loops and knots.
2. Starting at point nearest electrical outlet, move back and forth across lawn. (Fig. 8).
3. ON FLAT GROUND ONLY: THE REVERSIBLE HANDLE AND REVERSIBLE

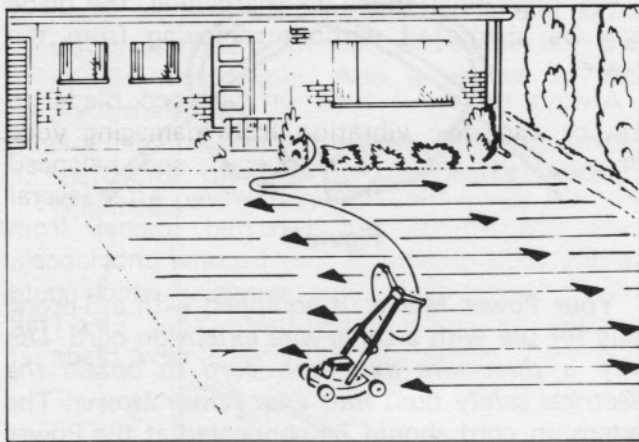


Figure 8

CUTTING CHARACTERISTICS MAKE IT POSSIBLE TO BEGIN EACH CUT BY SIMPLY SWINGING HANDLE OVER AND TRAVELING IN THE OPPOSITE DIRECTION. The cord is thus always lying on the cut portion of the lawn and is seldom in the way.

4. When swinging over the handle for reversible cutting, walk around the opposite side of the mower from the discharge chute.
5. Each lawn with its trees, shrubs, and other obstructions requires a different mowing procedure. A little experimenting will enable you to choose the easiest method of handling the cord on your lawn.

WHEEL HEIGHT ADJUSTMENT

BEFORE CHANGING MOWING HEIGHT — SWITCH OFF AND DISCONNECT CORD AT MOWER.

1. Seven cutting heights are available 1¼", 1½", 2", 2-3/8", 2-3/4", 3¼", 3½". The desired cutting height can be selected using the following simple procedure.
2. SWITCH MOWER OFF AND DISCONNECT CORD AT MOWER BEFORE CHANGING MOWER HEIGHT.
3. Support weight of mower with one hand. With other hand grasp wheel and lever (Fig. 9), pressing lever with thumb toward wheel. Move lever and wheel to desired position. Release and repeat on other wheels.

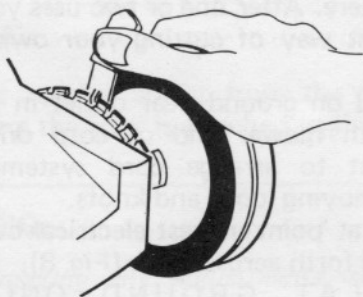


Figure 9

MAINTENANCE

This Use and Care Book is an operating and service guide for the owner. We do not recommend that you make major repairs beyond the necessary maintenance and simple repairs required to keep your Power Mower in good operating condition. For assistance in getting the most out of your Power Mower, and for repair service, we recommend your nearest Elec-Trak equipment dealer who can supply replacement parts and has proper servicing and testing equipment.

ALWAYS SWITCH "OFF" AND DISCONNECT THE CORD BEFORE CHECKING MOWER.

Cleaning

Although your Power Mower has been designed to minimize the accumulation of grass under the housing, some will inevitably accumulate. It is advisable to clean this accumulation off periodically, particularly before periods of long storage. Dead clippings tend to rot and create both objectionable odors and a fire hazard. Accumulations of clippings may be scraped from the underside of the mower. The mower may be cleaned with a damp rag. The use of strong solvents is not recommended.

After each mowing, brush grass clippings from screens located under back and front of motor cover.

DO NOT SPRAY MOWER WITH HOSE FOR CLEANING.

The motor cover should be removed at the end of the cutting season to check for dirt and grass clippings and motor brush wear.

Remove two screws adjacent to cord and one screw on opposite side, then lift off motor cover.

Lubrication (Use SAE 20 Motor Oil)

The following points require attention:

1. Handle pivot pins — oil frequently.
2. Wheel bearings — oil frequently. Turn mower on side and allow oil to run down axle shaft into wheel bearing.
3. Wheel adjustment levers — oil seasonally.

Since a special gear lubricant is used, repairs to the motor or gearbox should be performed by your Elec-Trak equipment dealer.

Carbon Brush Wear

Check carbon brush wear by unscrewing brush holder caps and removing brushes. Replace brushes when worn to 3/8-inch or less. Ensure that brushes are positioned correctly before inserting into brush holders. (Figure 10.) You may purchase replacement brushes from your Elec-Trak equipment dealer.

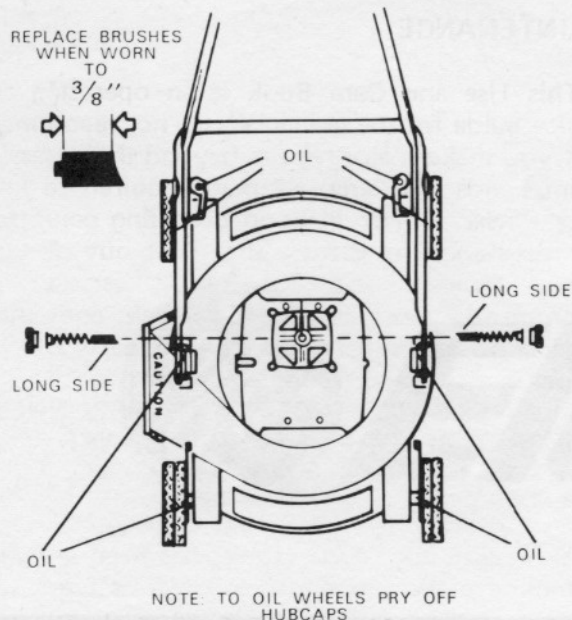


Figure 10

Blade Maintenance

A sharp blade will cut cleanly and give a better appearance to the lawn. To remove blade for sharpening, disconnect cord from mower. Lay mower on side. Remove center blade bolt with 9/16-inch wrench. (Figure 11) It is not necessary to remove the adapter bolts except when changing blade. Sharpen blade with file, grinder or AP20 Blade Sharpener which will retain the original cutting angle. Replace blade exactly as shown in Figure 11. Make sure blade is tight.

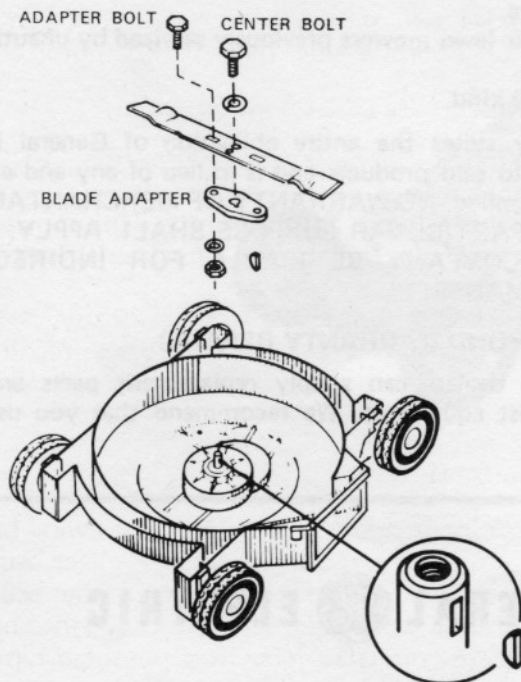


Figure 11

For occasional touch-up sharpening, the blade may be sharpened without removing from the mower.

Always replace a bent or damaged blade to prevent excessive vibration from damaging your mower. The blade is sharpened and balanced before it leaves the factory, however, after several home sharpenings and repeated impact from striking solid objects, it may become unbalanced. An unbalanced blade causes vibration which could damage the motor drive unit. Your Elec-Trak equipment dealer can provide a new blade at reasonable cost.

Drive Unit

Your Drive Unit is covered by a one-year General Electric warranty. You may obtain service at any Elec-Trak equipment dealer. To remove drive unit (Figure 12):

1. Remove motor cover.
2. Pull off motor lead connections.
3. Remove strain relief screw.
4. Detach ground connection on motor frame.
5. Remove blade, blade adapter and drive key from shaft. (Figure 11)
6. Remove 4 mounting bolts with 7/16-inch wrench.
7. Drive unit may now be removed downward through mounting hole in casting.

REMOVE STRAIN RELIEF SCREW

PULL OFF THESE TWO LEADS

REMOVE GROUND LEAD SCREW

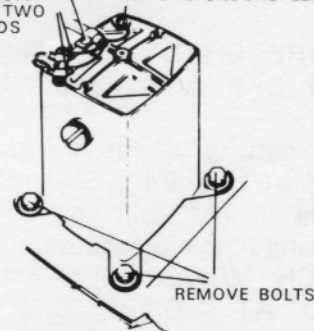


Figure 12

Parts/Accessories

Parts or accessories for your Power Mower are available from Elec-Trak equipment dealers. Noted below for your convenience are parts and accessories for which you may have a future need.

Part	Order No.
Wheel — 7-inch Black Wall	177A4601P1
Blade	715C447P2
Wheel Height Adjuster — single adjuster	XL8198
Grass Catcher Kit	PM15
100 Ft. SJTW Extension Cordset	PM10

WARRANTY POWER MOWER

General Electric Company warrants that it will repair or replace without charge, f.o.b. factory, including cost of parts and labor for replacement, any part of the ELEC-TRAK power mower with which this warranty is furnished which proves to be defective in material or workmanship within 12 months in ordinary home use following the date of sale to the original purchaser for use. These warranties do not apply to any repair or replacement made necessary by improper use or maintenance, or by abuse or accidental damage.

This warranty does not cover the following:

1. Sharpening the blade.
2. Parts or labor required to remedy trouble caused by neglect, normal wear, improper lubrication or when abuse or misuse is evident.
3. Damage caused by special customer applications or uses not listed in published GE literature.
4. Parts or labor to repair lawn mowers previously serviced by unauthorized persons.
5. Commercial use of any kind.

The foregoing warranty states the entire obligation of General Electric Company with respect to said products and is in lieu of any and all other warranties, express or implied. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY. IN NO EVENT WILL THE COMPANY BE LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES.

BEYOND WARRANTY REPAIRS

ELEC-TRAK tractor dealers can supply replacement parts and have proper servicing and test equipment. We recommend that you use these facilities

**GENERAL ELECTRIC COMPANY
OUTDOOR POWER EQUIPMENT OPERATION
CORPORATIONS PARK
SCHENECTADY, NEW YORK 12345**

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