Elec-Trak®

Tractor

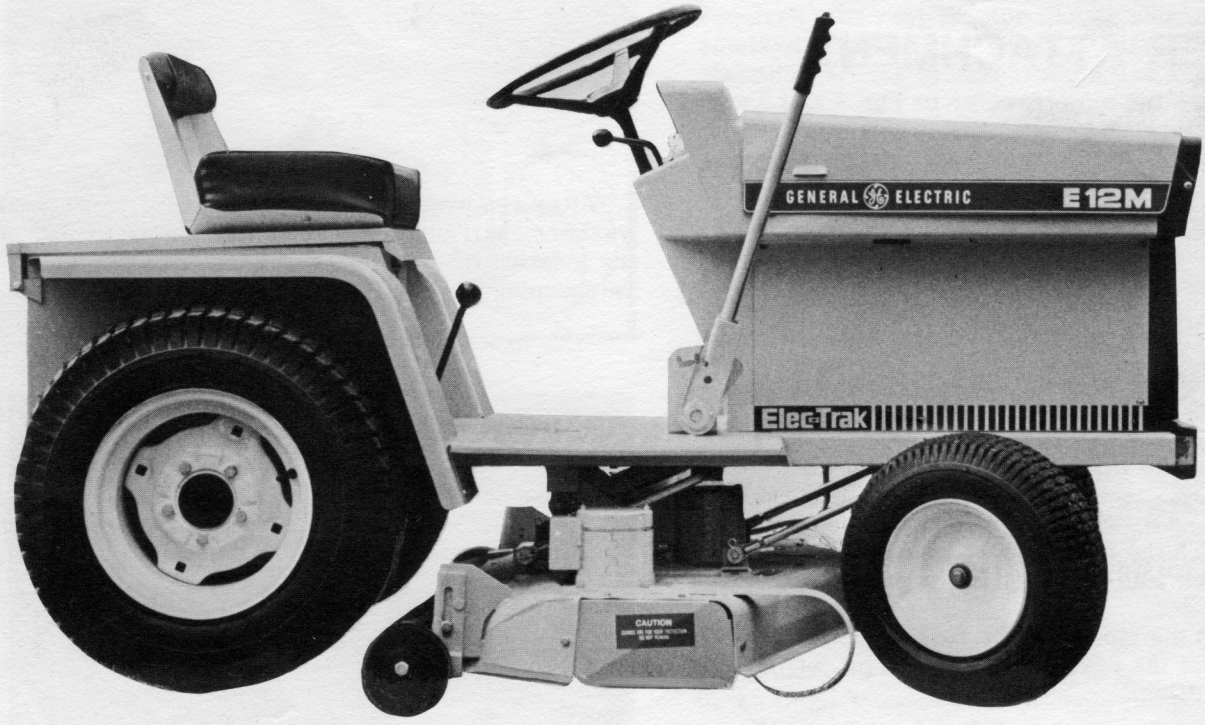
INSTRUCTIONS

GEH-3971

LP17033
2CAE12EA
LP22 203

E12M MID-MOUNTED 42" ROTARY MOWER

Model AH42



GENERAL ELECTRIC

The basic AH42 Rotary Mower unit requires either a KR42 Rear Mower Discharge Kit or KS42 Side Mower Discharge Kit to complete the mower package.

The rear discharge kit is recommended for the owner who mows his lawn frequently or intends to use the Elec-Trak trailing lawn sweeper (AS31). A greater degree of safety is afforded the operator and bystanders with this kit since objects that are picked up by the blades are discharged under and behind the tractor.

The side discharge kit is designed for those who mow their lawns less frequently without picking up the grass clippings. The side discharge design produces greater vacuum action on long grass and disperses the clippings over a wider area.

> WARNING: Side discharge mowers should not be used near bystanders or buildings, where a thrown object could cause injury or damage.

In either configuration, the mower is mounted directly to the Elec-Trak tractor without the need of additional equipment.

MOWER ATTACHMENT

To attach the mower, refer to Fig. 1 and 2 and take the following steps:

1. Center the mower under the tractor so the mower wheels are closest to the tractor rear wheels.

2. Move the tractor lift handle fully-forward, to lower the lift attachment arms.

3. Attach the rear suspension arms and secure each with a washer and a hair pin cotter.

4. Draw the lift handle to the rear to lift the mower.

5. Attach the front pair of suspension arms and secure each with a washer and a hair pin cotter.

6. With the mower in the raised position, initially adjust the rear mower wheels as outlined under "Cutting."

7. Lower the mower, stand clear of the housing, and plug the PTO cord into the PTO receptacle.

Removal of the mower follows the same steps in the reverse order.

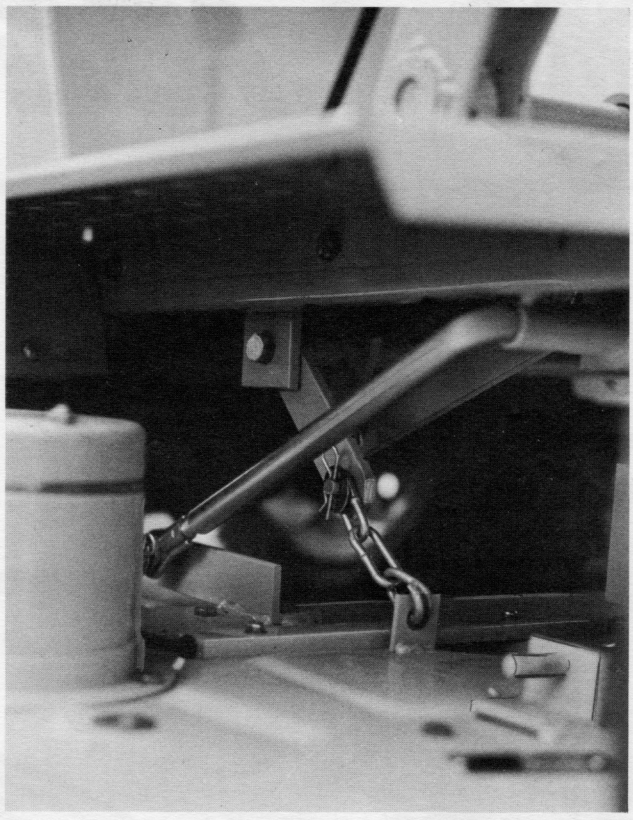


Figure 1

After removal of the mower, carefully store the washers, hair pin cotters and suspension arms, in the location from which they were removed for safekeeping.

Figure 2

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

WARNING: Always disconnect the power cord from the PTO receptacle before handling the mower for any reason.

ADJUSTMENTS

The rear mower wheels are the only part that requires adjustment. (See CUTTING, below.) Make adjustment as follows (Fig. 3):

1. Remove the power cord from the PTO receptacle.

2. Raise the mower to the upper-most position.

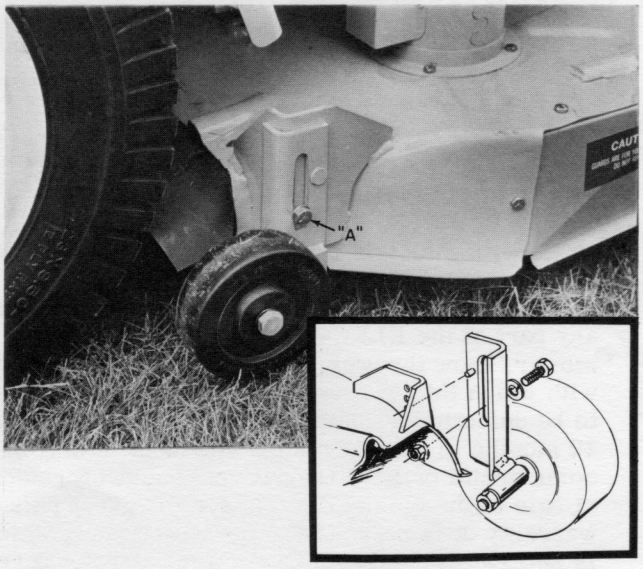


Figure 3

3. Loosen the hex-head cap screw (A) so the adjuster-bracket guide-pin is free of its locking hole.

4. Move the adjuster assembly to the desired postion and locate the guide-pin in the corresponding locking hole. Moving the wheels up gives a shorter cut.

5. Retighten the cap screw.

6. Repeat the adjustment for the other wheel.

MOWER OPERATION

The operator must be seated on the tractor and the key switch turned to "On", before the PTO switch can be turned "On" to operate the mower. An electrical interlock prevents mower starting if this procedure is not followed. Once the mower is running, if the operator leaves the seat or turns the key switch to "Off", another interlock operates which not only interrupts mower power, but also stops blade rotation immediately by a dynamic braking action. To restart, with the key on, simply flip the PTO switch Off and On again. For all normal use, the PTO switch should be used to turn the mower on and off.

The maximum drive motor torque and most efficient use of power in the E12M occurs when the speed control lever is at full-forward. The D1 range is best for average to heavy mowing, and D2 may be used for lighter duty, faster mowing. The Low (L) range should be used on steep hillsides for greater control.

When mowing on steep hillsides, the travel should be up and down. Care should be exercised to avoid sudden starts and stops, which may cause loss of control. The tractor motor will offer some braking action provided the speed control is not returned to neutral. Maximum retarding effect is obtained with the speed control in the full-forward position. Whenever operation on hillsides is required, the rear tractor wheels should be assembled in the "wide-tread" position for increased stability. (Refer to your tractor Use and Care Manual.)

CUTTING

Always mow with sharp blades. The blades should be sharpened and balanced seasonally if subjected to average use, or whenever cutting quality deteriorates. Always disconnect the power cord before servicing or adjusting the mower. After each sharpening, if mower vibration is noticeable, the blades should be checked for balance. Unbalanced blades will shorten the life of the mower motor bearings.

For good appearance of the mowed lawn, it is very important to have the mower adjusted correctly for height of cut. (See section on ADJUSTMENTS.)

The best height-of-cut should be determined by adjusting the rear mower wheels so they are each in the third-lowest guide-pin hole for the first few passes (see Fig. 3.) If the grass is not cut short enough, use of the fourth-lowest hole will give a 1/2-inch shorter cut, and so forth. Care must be used not to scalp uneven parts of the lawn by cutting too close. As the cutting height is increased, some types of grass and turf may begin to show the front wheel tracks where the grass is long enough to be rolled down and not spring back up. The wheels can be adjusted to give cuts 1-1/2 to 4-inches in 1/2-inch increments.

If the tractor appears to groove the lawn or gives a bumpy ride, check the tire pressure. The pressure should be 8-10 psi rear, and 10-15 front.

GROUND SPEED

Average to heavy mowing should be done in the D1 range. Light mowing may be done in the D2 range. If the cut is not even and clean, a lower range selector position should be used.

Level positioning of the mower is very important for good cutting quality and low power consumption. If a mower motor becomes overloaded due to mowing too fast in high grass, too low or uneven adjustment for grass height, obstructions, clogging, or jamming, that motor may shut off momentarily. This is caused by the opening of a circuit breaker which prevents motor damage. After a short interval for cooling, the circuit breaker will reset automatically and the motor will restart. If the automatic circuit breakers on the mower motors continue to interrupt operation of one or more motors after loading has been reduced, remove the power cord from the PTO receptacle and carefully check the mower adjustment on a level surface. If the mower is level and the cutting height correct, check the blades for obstructions.

OPERATING TIPS

- It is recommended that the underside of the mower deck be cleaned after each season to maintain maximum mowing effectiveness and reduce the likelihood of blade clogging. The mower must be removed to facilitate effective cleaning. (See page 2 .)

- Mowing of high grass may be made by making two passes; the first pass with the mower in its raised position. If there are low obstructions such as twigs or small stones in the mowing area, the second pass should be made with the mower at a high setting to accommodate the obstructions.

- The mower must be removed when using tire chains on the E12M to give adequate clearance.

- Sharpen and balance blades as required, and at least seasonally.

- Oil mower wheel axles, and lift pivot points seasonally with a 30 weight machine oil.

WARRANTY
ELEC-TRAK GARDEN TRACTOR

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 garden tractor, mower, snow thrower, and dozer blade attachments with which this warranty is furnished which proves to be defective in material or workmanship within 12 months in ordinary home use (3 months if in commercial or institutional use) following the date of sale to the original purchaser for use. This warranty does not apply to the power pack, which is separately warranted and offers additional replacement coverage. These warranties do not apply to repair or replacement made necessary by improper use or maintenance, or by abuse or accidental damage.

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