



Electrak[®]

GEZ-5651

Tractor

INSTRUCTIONS

E8M AND E10M SET-UP

ASSEMBLY

1. Cut banding straps and remove the upper portions of the carton. Cut the sides of the bottom tray so the tray lays flat.

2. Remove the wheel-tire assemblies and loose boxes from carton. Also remove loose packing material in the area of the front axle. Inspect the contents of all packages.

3. Jack up rear of the tractor.

4. Remove the mower deck and rear support from below the tractor frame.

NOTE: Support can be partially disassembled in place for ease of removal.

5. Install the rear wheels with the extended portions of the wheels' centers toward the tractor. Align the cross-holes of the wheel centers with the corresponding holes in the axle. Insert clevis pins in the holes and secure with cotter pins. (See Figure 1.)



Figure 1

6. Install the woodruff key and steering arm (boss extending downward) on the lower end of the steering shaft below the frame so the boss is flush with the end of the shaft. Secure with the square-head setscrew. (See Figure 2.)

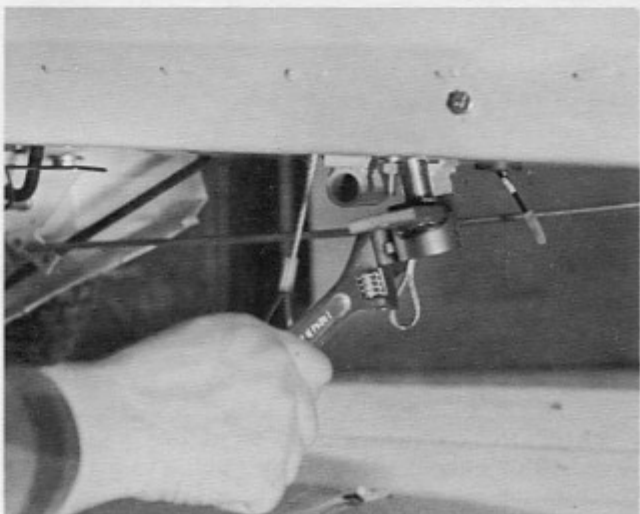


Figure 2

7. Jack up the front of the tractor, partially disassemble and remove the support, and install the front wheels. Secure each wheel to its spindle with a 3/4-inch narrow washer and Tru-Arc snap ring. Use Tru-Arc tool for snap-ring installation. Grease front axle/spindle assembly thoroughly.

8. Install the short tie rod between the steering arm tab on the lower end of the steering assembly and the Pitman arm which is attached to the right-front-wheel spindle. Install so the threaded studs of the ball joints extend down through the arm tabs. Secure with lockwashers and nuts. (See Figure 3.)

9. Install the long tie rod so the threaded studs of the ball joints extend down through the spindle tabs. Secure with lockwashers and nuts. (See Figure 3.)

10. Place the plastic sleeve over the upper end of the steering shaft with its slotted end upward and aligned with the holes in the steering

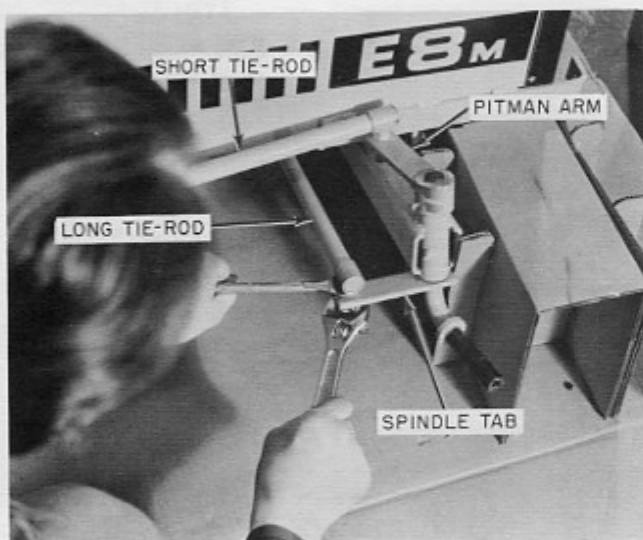


Figure 3

shaft. Place the steering wheel on the shaft so its holes align with those of the shaft. Drive the spring dowel pin in the aligned holes. Snap the monogram cap into the center of the steering wheel.

BATTERY INSTALLATION

CAUTION: To insure proper tractor operation, check all batteries prior to installation for cracks, defects, polarity and electrolyte level. Avoid touching tools or cables to the tractor frame while installing and connecting batteries.

Model E8M

Forward Compartment

USE THREE 12-VOLT BATTERIES IN THE E8M

1. Remove all loose parts from the forward battery compartment. Turn the key switch counter-clockwise to the "Off" position.
2. Place the plastic tray in the bottom of the forward battery compartment so its drain hole lines up with the drain hole in the floor of the compartment.

3. Unfold the poly bag and place it in the tray so the bag's bottom seam runs from front to rear. Flatten the pockets that form at the seam ends so the bottom of the bag conforms to the tray.

4. Place the thin vacuum-formed battery protector between the poly bag and the rear wall of the compartment and the thick protector in similar fashion at the front of the compartment. Position the protectors so their corrugations will face the battery walls. (See Figure 4.)

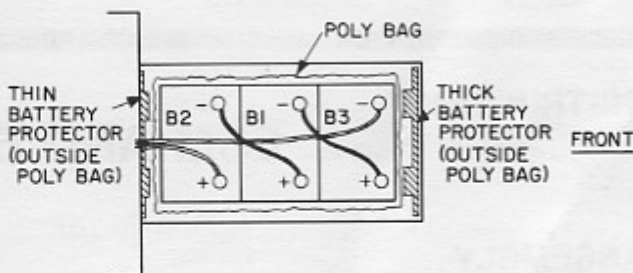


Figure 4

5. Carefully set the batteries inside the bag as shown in Figure 4 observing polarity markings. Make sure the sides of the bag remain above the top surface of the batteries in equal amounts. (It may help to tape the upper edges of the bag to the tractor sides temporarily to permit easy insertion of the batteries.)

6. Connect the battery cables in accordance with Figure 4. Observe clamp polarity markings. Coat the terminals after connections are made with a thin film of Battery Terminal Protective Grease, AP31. Make sure all surfaces are coated!

7. Place the plastic cover over the batteries, but inside the top edges of the bag, making sure the battery cables go through the end slots of the cover, and that the center cables fit into the center raised portion of the cover. (See Figure 5.)

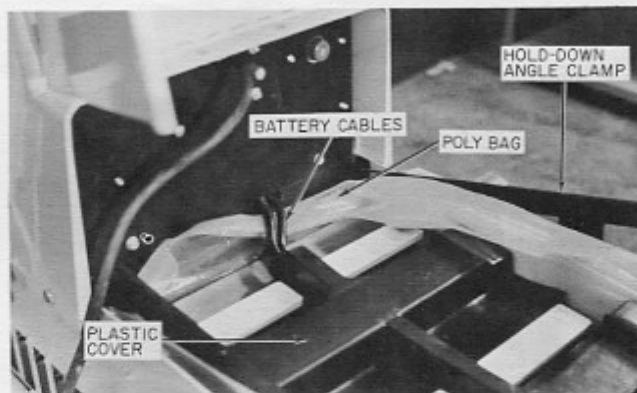


Figure 5

8. Place the hold-down angle clamps along the sides of the battery cover, outside the top edges of the bag so the bag is between the cover and the clamps. (See Figure 5.) Notice there is a right and left clamp.

NOTE: Engage the rear of each clamp in the corresponding slot in the panel in the rear of the compartment, and then lower the clamp into position.

9. Secure the front of each clamp to its corresponding threaded stud with a lockwasher and nut.

10. Check that wires numbered 10 and 12 are connected to the seat switch which is mounted on the cross-bar over the rear compartment.

11. Charge the batteries initially as instructed in the Use and Care Manual.

Model E10M

Forward Compartment

USE SIX 6-VOLT BATTERIES IN THE E10M

1. Remove all loose parts from the forward battery compartment. Turn the key switch counter-clockwise to the "Off" position.

2. Place one of the plastic trays in the bottom of the forward battery compartment so its drain hole lines up with the drain hole in the floor of the compartment.

3. Unfold one of the poly bags and place it in the tray so the bag's bottom seam runs from front to rear. Flatten the pockets that form at the seam ends so the bottom of the bag conforms to the tray.

4. Place one of the long vacuum-formed battery protectors along each side of the poly bag (outside) so the corrugations will face the battery walls. (See Figure 6.)

5. Place the short sections of battery protectors in similar fashion at the ends of the compartment with the thicker one at the front as shown in Figure 6.

6. Carefully set three batteries in the bag as shown in Figure 6 observing polarity markings. Make sure the sides of the bag remain above the top surface of the batteries in equal amounts. (It

may help to tape the upper edges of the bag to the tractor sides temporarily to permit easy insertion of the batteries.)

7. Connect the battery cables in accordance with Figure 6. Observe clamp polarity markings. Coat the terminals, after connections are made, with a thin film of Battery Terminal Protective Grease, AP31. Make sure all surfaces are coated!

8. Place the plastic cover over the batteries, but inside the top edges of the bag, making sure the battery cables go through the end slots of the cover, similar to Figure 5.

9. Place the longer pair of hold-down angle clamps along the sides of the battery cover outside the top edges of the bag so the bag is between the cover and the clamps. See Figure 5. Notice there is a left and right clamp.

NOTE: Engage the rear of each clamp in the corresponding slot in the panel in the rear of the compartment and then lower the clamp into position.

10. Secure the front of each clamp to its corresponding threaded stud with a lockwasher and nut.

Rear Compartment

1. Remove all loose parts from the rear battery compartment.

2. Adjust the wiring entering the rear compartment so it will not interfere with battery installation or be inaccessible when needed.

3. Temporarily remove the cross-bar which is mounted over the rear battery compartment. Swing

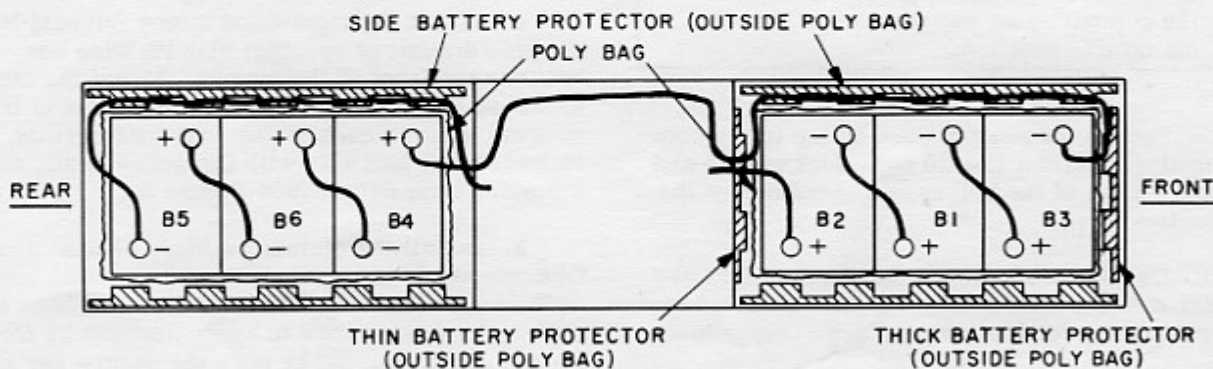


Figure 6

the compartment cover completely open and protect paint with cardboard where the cover touches the outside of the rear compartment.

4. Place the battery tray in the bottom of the rear compartment so its drain hole lines up with the drain hole in the floor of the compartment.

5. Unfold the remaining poly bag and place it in the tray so the bag's bottom seam runs from front to rear. Flatten the pockets that form at the seam ends so the bottom of the bag conforms to the tray.

6. Place one of the long vacuum-formed battery protectors along each side of the poly bag (outside) so its corrugations will face the battery walls. (See Figure 6.)

7. Carefully set the batteries in the bag as shown in Figure 6 so that the sides of the bag remain above the top battery surface in equal amounts and all wires are accessible.

8. Connect the battery cables and wires in accordance with Figure 6. Coat the terminals after connections are made with a thin film of Battery Terminal Protective Grease, AP31. Make sure all surfaces are coated!

9. Place the plastic cover over the batteries, but inside the top edges of the bag, making sure the battery cables go through the end slots of the cover.

10. Remount the cross-bar over the rear compartment so the seat switch is towards the back of the tractor.

11. Place the hold-down angle clamps along the sides of the battery cover, outside the top edges of the bag so the bag is between the cover and the clamps. Notice there is a left and right clamp.

NOTE: Engage the front of each clamp in the corresponding slot in the front of the compartment and then lower the clamp into position.

12. Secure the rear of each clamp to the compartment wall with a 1/4-20 bolt, lockwasher and nut so the head of the bolt is on the outside of the compartment.

13. Check that wires numbered 10 and 12 are connected to the seat switch which is mounted on the cross-bar over the rear battery compartment.

14. Charge batteries initially as instructed in the Use and Care Manual.

SEAT INSTALLATION

Insert 4 carriage bolts into the square holes in the seat pan so the heads are on the top side. Secure cushions (bottom and back) to the seat pan with washer-head 1/4-20 bolts. Remove the seat retaining cord from the rear cover.

Mount the seat near the center of the adjustment range on the rear cover for average height operators. Secure each mounting bolt with a flat washer, lockwasher and nut in that order. See Figure 7.

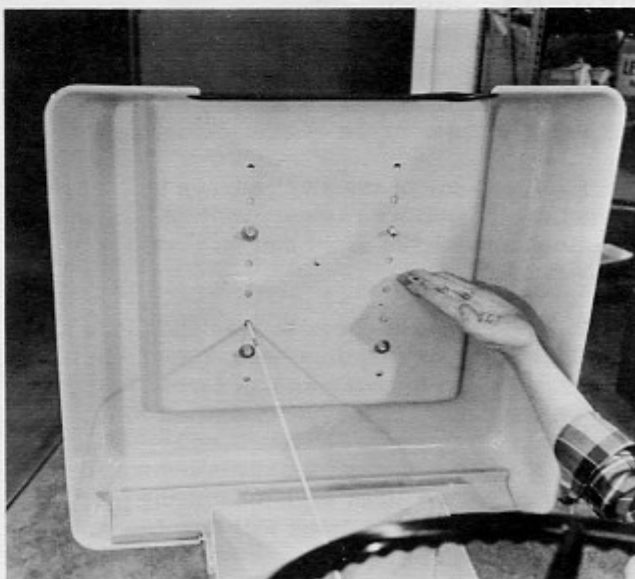


Figure 7

MOWER ASSEMBLY AND INSTALLATION

**DO NOT READJUST MOWER
SUSPENSION ARMS**

1. Mount the right-hand motor (closest to the side discharge opening) with its wire box towards the front of the mower. Mount the other motor so its wire box is towards the rear of the mower. Secure each motor with four screws, lockwashers, and nuts with the screw heads on the top side of the deck. (See Figure 8.)

2. Install the clutch and blade assemblies. Observe the blade placement so the cutting edge is in the proper direction for rotation. Tighten each self-locking cap screw to approximately 21 foot-pounds of torque. Make sure the square key stays in place when installing each clutch hub. (See Figure 8.)

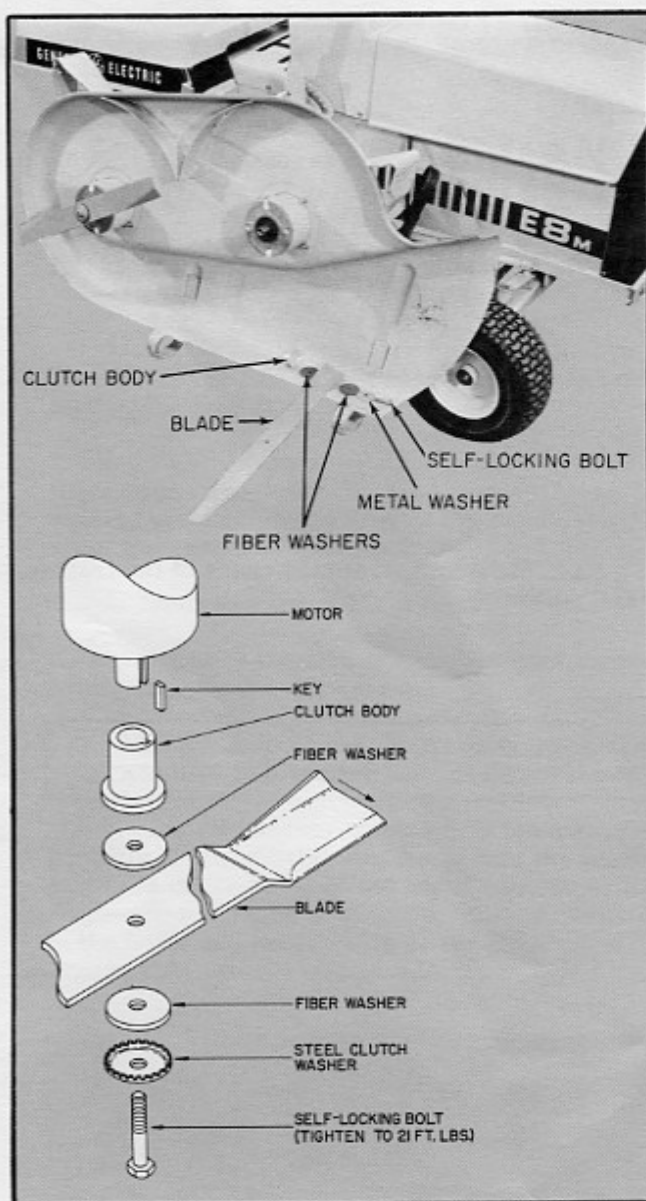


Figure 8

3. Drive the tractor to a flat, level area, and remove the key, place the range selector in "L" and release the parking brake to give maximum clearance under the frame.

4. Place the mower under the tractor in its approximate mounted position.

5. Insert all four suspension arms in their respective frame bushings so their lower ball rod ends lay on the mower deck near their mounting pins. (See Figure 9.) Do not readjust suspension arms. These are factory adjusted as shown in Figure 12.

6. Attach the ball rod ends of both suspension arms on the left (clutch/brake pedal side) to their

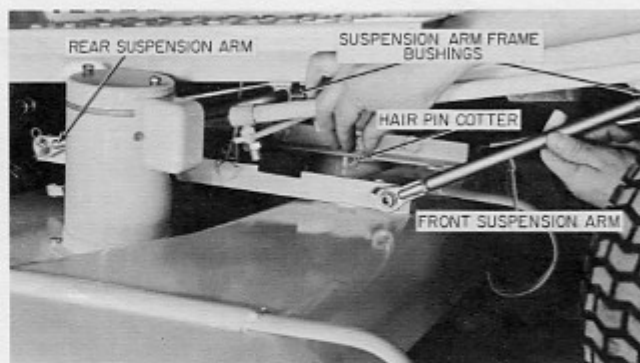


Figure 9

corresponding mounting pins. Secure each with a hair pin cotter.

7. Attach the remaining suspension arms in similar fashion. (See Figure 10.)

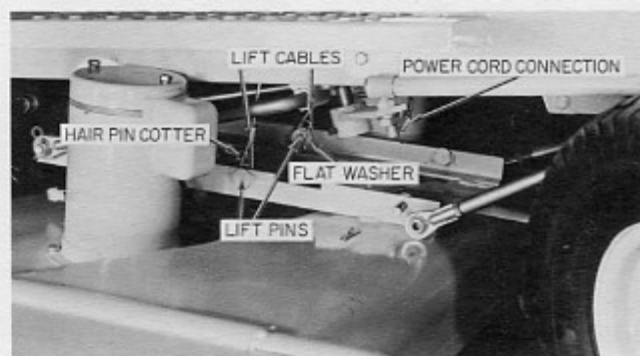


Figure 10

8. Move the manual lift handle fully-forward and attach both lift cables to their corresponding lift pins on the mower deck. Secure each with a plain washer and hair pin cotter. (See Figure 10.)

9. Raise mower with lift handle.

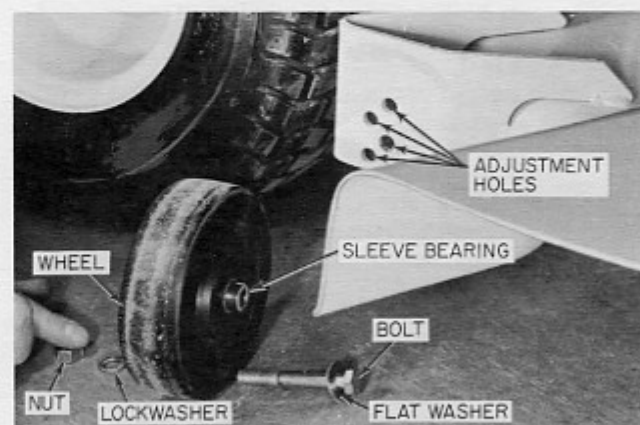


Figure 11

10. Install a wheel assembly in the lowest adjusting hole on each rear corner of the mower. This adjustment gives maximum cutting height for initial mowing passes. A 3/8-inch plain washer should be located between the bolt head and the wheel. Insert a sleeve bearing in each wheel. Secure each with a 3/8-inch lockwasher and nut. (See Figure 11.)

11. Join each mower-motor power-cord-connector to its corresponding power cord exiting bottom of frame.

12. Oil all lift pivot points and mower rear wheel bearings.

13. Adjust tire pressure as indicated in the Use and Care Manual.

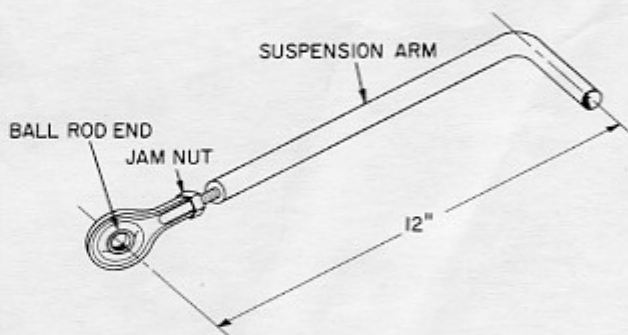


Figure 12

14. Make an operational check of the tractor and mower.