

FORD



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NEWHOLLAND

Operator's Manual


Lawn and Garden Tractors
125, 145, 165



IF INCORRECTLY USED THIS MACHINE CAN CAUSE SEVERE INJURY. THOSE WHO USE AND MAINTAIN THE MACHINE SHOULD BE TRAINED IN ITS PROPER USE, WARNED OF ITS DANGERS, AND SHOULD READ THE ENTIRE MANUAL BEFORE ATTEMPTING TO SET UP, OPERATE, ADJUST OR SERVICE THE MACHINE.

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 **WARNING - DANGER**

THIS TRACTOR IS EQUIPPED WITH AN INTERLOCK SYSTEM WHICH IS INTENDED TO PROTECT THE OPERATOR AND OTHERS FROM INJURY BY PREVENTING THE ENGINE FROM STARTING UNLESS THE PTO SWITCH IS IN "OFF" POSITION AND THE SPEED RANGE LEVER IS IN "NEUTRAL". IN THE INTEREST OF SAFE OPERATING CONDITIONS, THIS TRACTOR MUST NEVER BE OPERATED WITH THE INTERLOCK SYSTEM DISCONNECTED OR MALFUNCTIONING.

SET-UP INSTRUCTIONS

DEFINITION OF DIRECTIONS

Reference to "right" and "left" side of tractor is from operator's position when seated in normal operating position. Reference to "forward" and "rearward" is likewise from operator's position.

Put a light coating of oil on the steering wheel shaft before mounting the steering wheel.

1. Straighten the front wheels.
2. Remove the large plastic bushing, sponge washer and nut from the bag of parts.
3. Place the plastic bushing on the steering column and then the sponge washer.
4. Remove the steering wheel from the box of parts and position it on the steering column so that;
 - a. The two spokes are horizontal.
 - b. The notch is on the top half;
 - c. The serrations in the wheel hub engage properly with those on the steering shaft.
5. Thread the nut onto the steering shaft and tighten securely.
6. Remove steering wheel cap from box of parts. Insert the tab of the cap into the notch inside the hub and push cap into the groove.

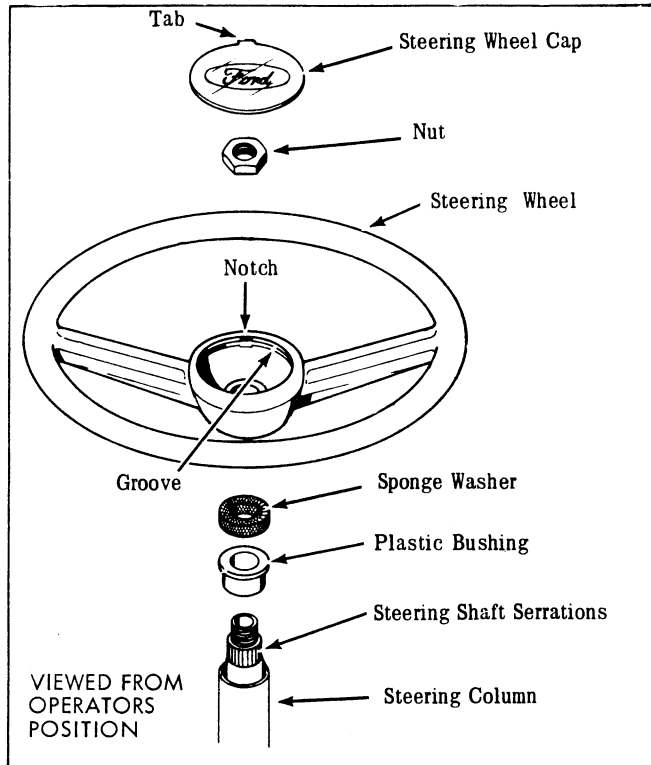


Figure 1

INSTALLING THE SEAT (See Fig. 2)

1. Remove the seat from box of parts and (4) 5/16-18 x 3/4 hex hd screws and lockwashers from bag of parts.
2. Pull seat switch leads thru hole in seat mounting plate. Position seat over holes closest to seat pan hinge and secure in place with (4) screws and lockwashers.
3. Assemble seat switch leads to connector in tool box.

PUTTING BATTERY IN SERVICE

With proper care the battery should give the long service life built into it.

A battery which does not function properly is not necessarily worn out or defective. It may only need a good recharge. If battery trouble occurs, a full recharge and test by a competent battery man is recommended.

IMPORTANT

Do not use the headlights more than one hour for every two hours of operation. For more frequent use, provide a supplementary charge to the battery.

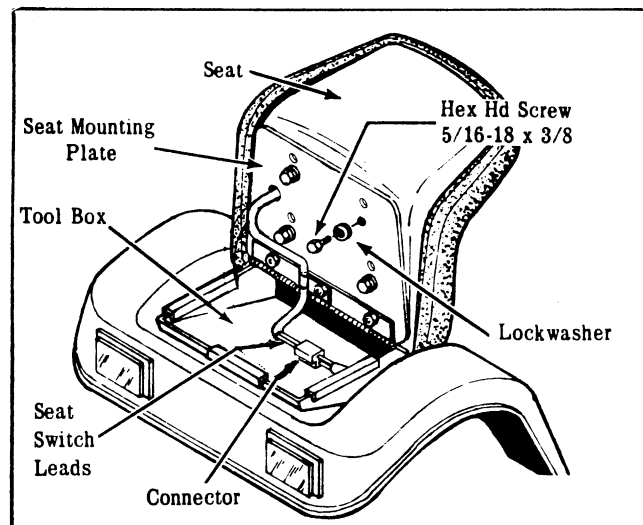


Figure 2

The battery needs to be charged before it can be placed in service. You can do this yourself or have it done by your Authorized Dealer or an automotive service station. Two quarts (1.89 liters) of 1.265 specific gravity electrolyte are required to fill your battery and can be purchased from your dealer or local auto supply store. Proceed as follows:

SET-UP INSTRUCTIONS

1. Make sure all switches are in "off" position.
2. Raise up the hood and remove the side panels (See Fig. 3).
3. Disconnect the ground cable (black) from the negative (-) battery terminal. Then disconnect the positive cable (red) from the positive (+) terminal. Be sure to disconnect the negative cable first. Place both cables away from the battery.
4. Remove the nut, lockwasher and washer from each battery mounting rod and remove the battery mounting bracket (See Fig. 4).
5. Remove the battery from the tractor and place it on a wooden bench or a piece of wood or plastic. **DO NOT SET THE BATTERY ON A CONCRETE FLOOR.**
6. Before installing the electrolyte, study the instructions on the carton.

WARNING - DANGER

Take care to avoid contact with the acid of the battery electrolyte. It will cause painful and dangerous injury to eyes or skin in case of external contact. It will damage clothing and other articles if spilled or splattered. Before opening the electrolyte container or handling the electrolyte, study the antidote label on the container for instructions and procedure in case of accidental contact.

6. Remove filler caps and fill battery with electrolyte to proper level (See Fig. 17). **ALLOW BATTERY TO SIT FOR 20 MINUTES BEFORE PROCEEDING WITH STEP NO. 8.**

WARNING

Under no conditions should battery be over-filled. We cannot be responsible for damages if this warning is not observed.

8. With the filler caps still removed, place battery on charge at 3 amperes until gravity reading is 1.265-1.275. This should take approximately four hours. If room, battery and electrolyte temperatures are below normal, a longer charging period may be necessary to bring the specific gravity up to 1.265-1.275.
9. Insert filler caps into filler holes and place battery on shelf in front of the instrument panel. **BATTERY TERMINALS MUST BE TOWARD THE GAS TANK.** (See Fig. 4).
10. Remount the battery to the tractor as shown in Figure 4. Place the battery bracket against the battery. Install the J-shaped battery rods, washers, lockwashers and nuts and tighten snugly. Do not overtighten.
11. Next, connect the two battery cables to the battery terminals (See Fig. 4). Note that the battery on the 16 H.P. model uses terminal clamps with hex nuts to secure the cables. The batteries on the 12 and 14 H.P. models use carriage bolts and nuts without the terminal clamps.

WARNING - DANGER

Always connect the "ground" (black) cable last and remove it first whenever performing any battery maintenance. When the battery is being removed or reinstalled, make sure the positive and negative terminals do not contact metal tractor parts at the same time or arcing will result. Battery connections must be kept tight at all times. Loose cables will cause arcing and pitting of the connections and cause eventual failure.

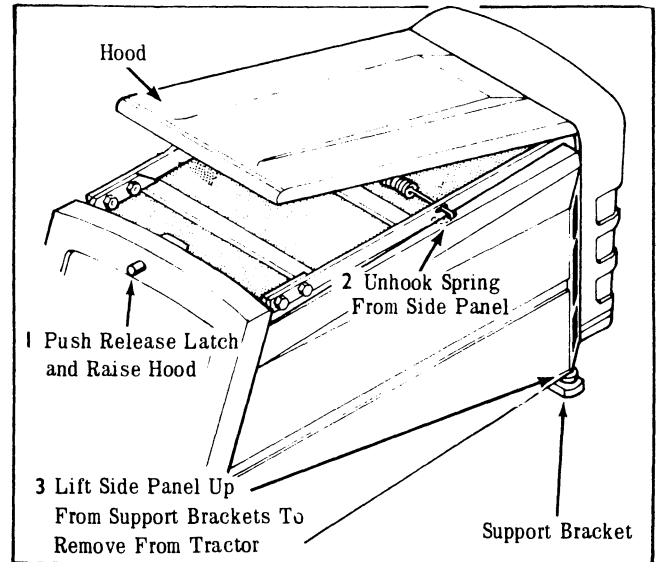


Figure 3

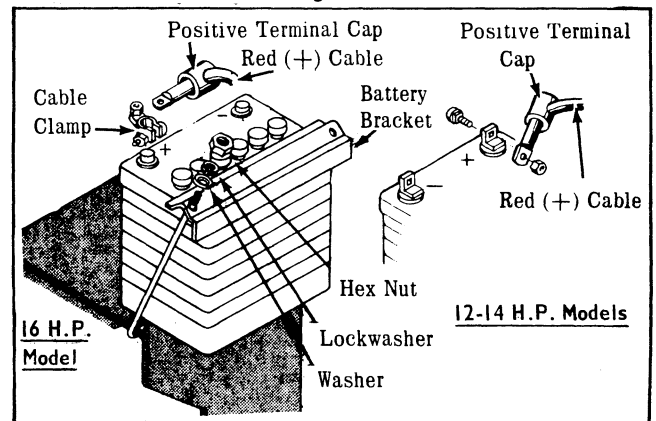


Figure 4

IMPORTANT

Note that the positive (+) terminal on the 16 H.P. battery is on the left hand side with the filler caps toward the front. The positive terminal on the 12-14 H.P. battery is on the right.

12. The cable leading to the ignition components of the engine is the "hot" cable (red in color) and should be attached to the positive (+) battery terminal in the following manner: Insert the cable end through the positive terminal cap as shown in Fig. 4. Remove the nut from the carriage bolt or clamp provided and place cable eye onto threads. Secure cable eye in place with the nut.
13. The cable attached to the tractor chassis is the ground cable (black in color) and is connected to the negative (-) battery terminal in the following manner: Remove the nut from the carriage bolt or clamp and place cable eye onto threads. Secure cable eye in place with nut just removed.
14. Now apply a light coat of petroleum jelly or chassis lubricant to both terminals and cable ends to prevent corrosion.
15. Slide the terminal cap over the positive battery terminal.

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