



INSTRUCTION BULLETIN

No. 9022394
Machine: T12/T16
Published: 05-2023
Rev. 00

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in the machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save the cost of ordering an entire kit.

NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

Installation instructions for **kit number 9022393**

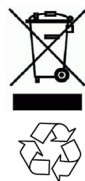
Kit installation must be performed by TennantTrue[®] service or an authorized service provider.

SYNOPSIS:

This kit contains the parts needed to replace the on-board battery charger on T12 and T16 scrubbers. Please follow step-by-step instructions.

SPECIAL TOOLS/CONSIDERATIONS: NONE

(Estimated time to complete: 1 hour)



PROTECT THE ENVIRONMENT

Please dispose of packaging materials, used machine components such as batteries and fluids in an environmentally safe way according to local waste disposal regulations.

Always remember to recycle.

PREPARATION:

1. Park the machine on a clean level surface, turn off the machine, and remove the key.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

2. Disconnect the battery cable from the machine.



WARNING: Always disconnect battery cables from machine before working on electrical components.

3. Disconnect the main wire harness from the seat switch.

4. Remove the operator seat assembly from the machine. Set the operator seat assembly aside.
5. **T12 Only:** Remove the SEMS M8 hex screw securing the side cover to the solution tank and remove the side cover from the machine. Set the SEMS M8 hex screw and side cover aside. (Fig. 1)

T16 Only: Remove the seat shroud from the machine. Set the seat shroud and hardware aside. (Fig. 2)

INSTALLATION:

1. Disconnect the on-board battery charger connections from the machine. (Fig. 1/Fig. 2)
2. Disconnect the power outlet cable from the on-board battery charger. Set the power outlet cable aside. (Fig. 1/Fig. 2)
3. Remove the on-board battery charger from the machine. Set the hardware aside. Discard the on-board battery charger. (Fig. 1/Fig. 2)
4. Use saved hardware to install the new on-board battery charger (1) onto the machine. (Fig. 1/Fig. 2)
5. Connect the power outlet cable to the on-board battery charger (1). (Fig. 1/Fig. 2)
6. Connect the on-board battery charger (1) connections to the machine. (Fig. 1/Fig. 2)
7. Reinstall the side cover (T12)/seat shroud (T16) onto the machine. (Fig. 1/Fig. 2)
8. Reinstall the seat assembly onto the machine.
9. Reconnect the battery cable to the machine.
10. Connect the on-board charger power cord to an appropriately rated outlet.

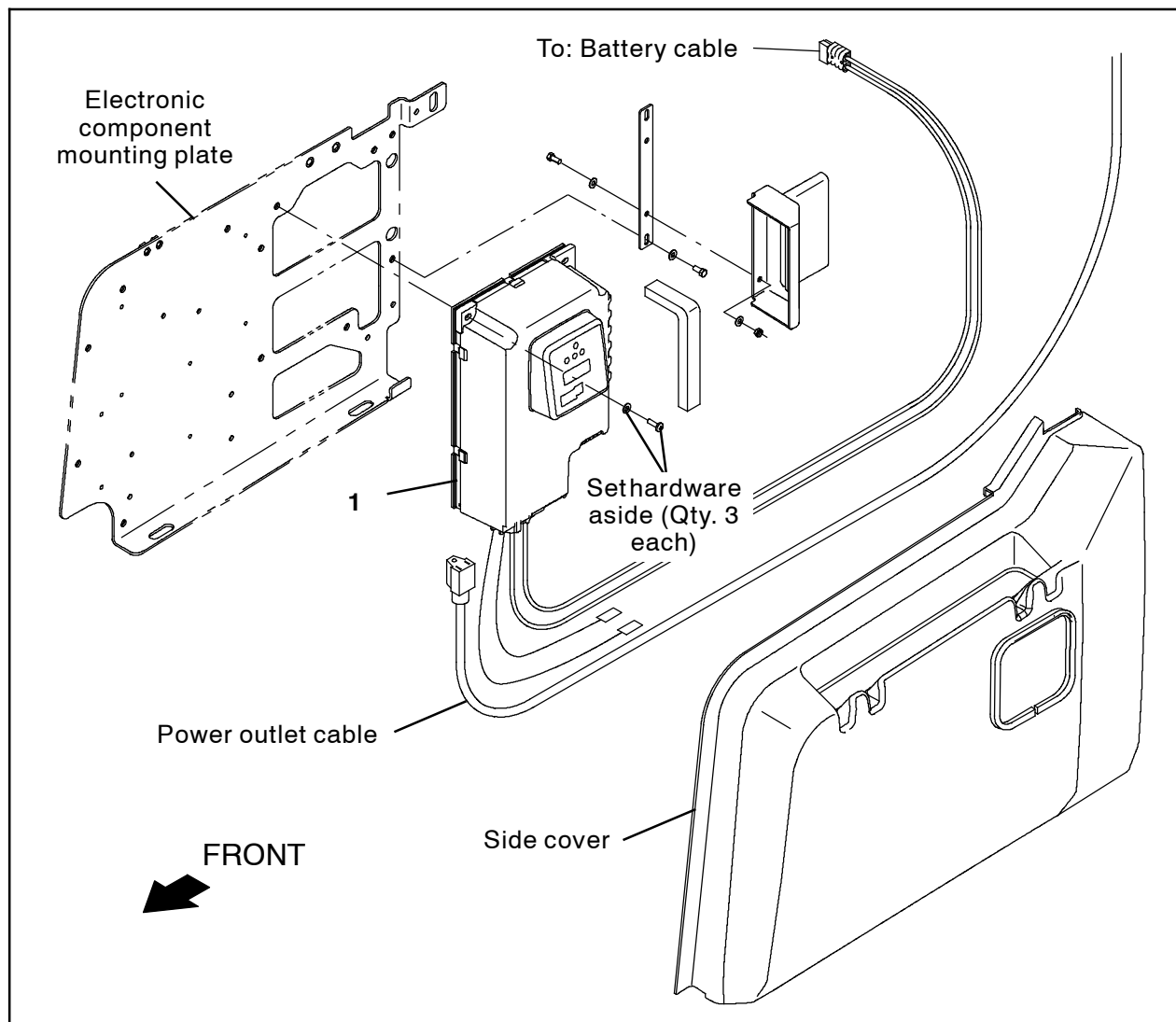


FIG. 1 - T12

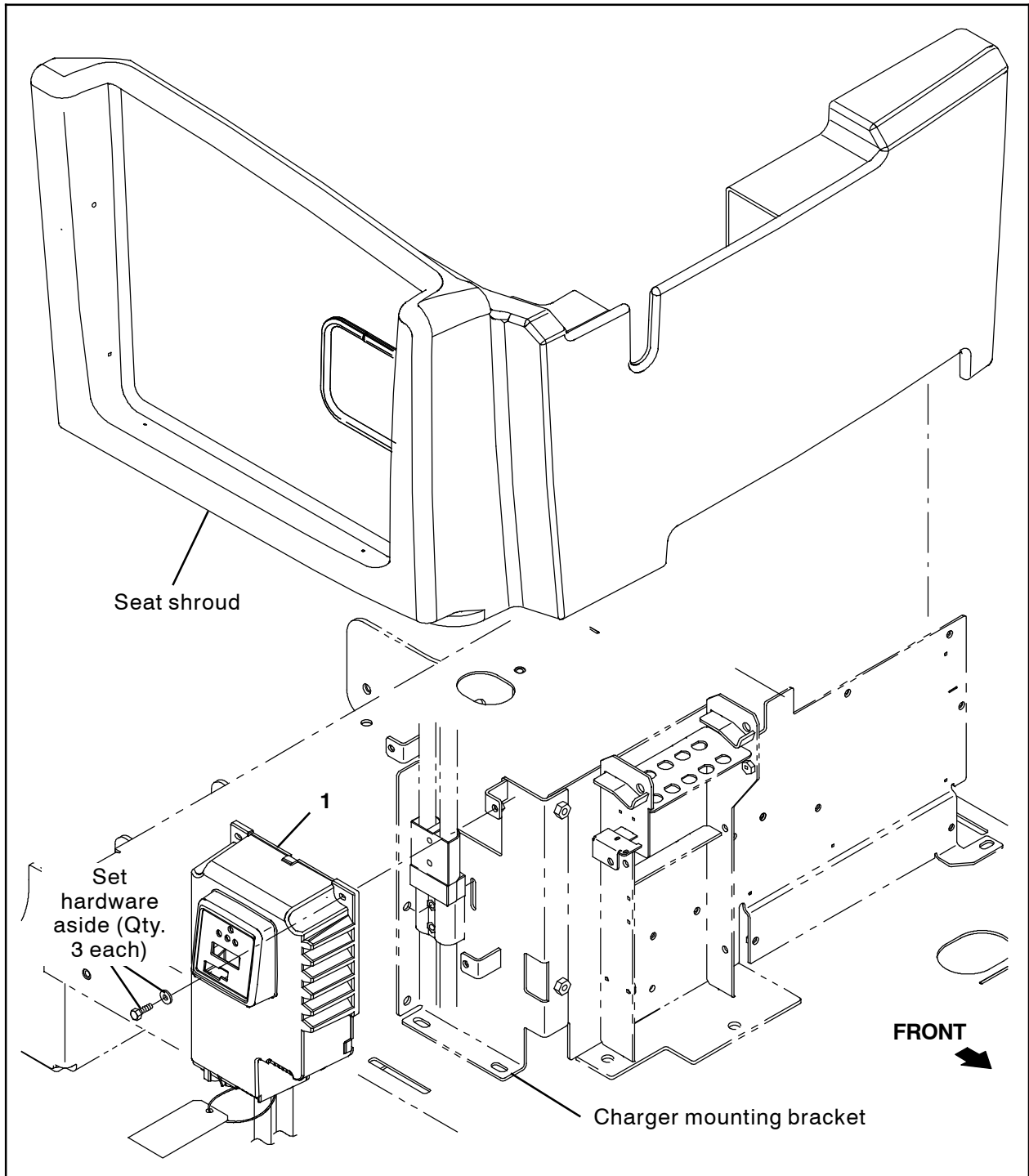


FIG. 2 - T16

- Press the arrow button to verify the on-board battery charger (1) codes/settings. Refer to the MAINTENANCE section of the Operator Manual for settings/codes. (Fig. 3)

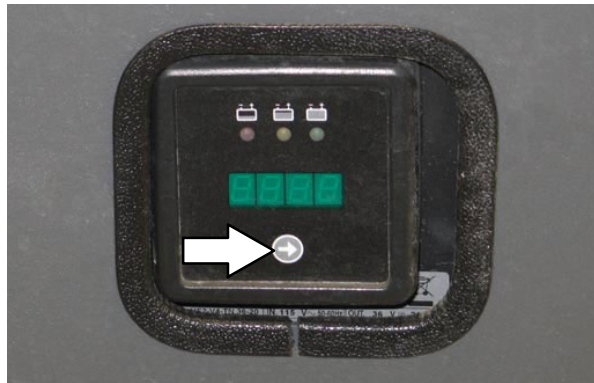


FIG. 3

- Disconnect the on-board charger power cord from the outlet.
- To change the on-board battery charger (1) setting, peel up the corner of the display label to access the switches. The on-board battery charger default setting is for Lead Acid 240Ah batteries. (Fig. 4/Fig. 5)



FIG. 4

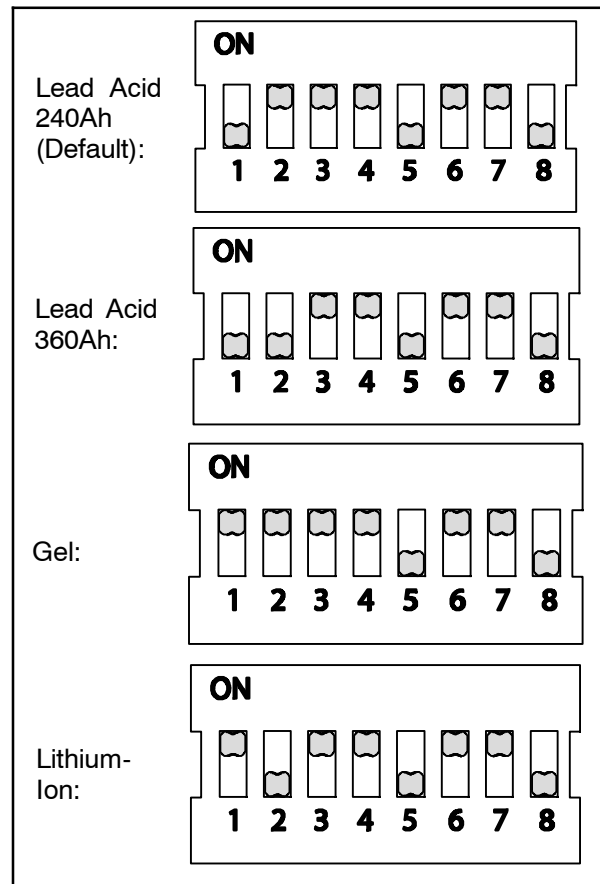


FIG. 5

Adjust the switches to the setting for the batteries. Refer to the MAINTENANCE section of the Operator Manual for applicable safety information and detailed instructions how to use the on-board battery charger and change the charger settings. (Fig. 5)

- Reconnect the on-board battery charger power cord to an appropriately rated outlet and verify changed setting.
- When finished verifying/changing on-board battery charger (1) settings, disconnect the on-board charger power cord from the outlet and neatly wrap/stow the cord in the storage location.

Bill Of Materials For Charger Kit, Programmable [T12/T16] - 9022393

Ref.	Tennant Part No.	Description	Qty.
1	1246421	Charger, 36VDC 20A 115- 240VAC [ONB]	1

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