



INSTRUCTION BULLETIN

No. 9008755
Machine: T16
Published: 03-2011
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 9008756**

SYNOPSIS:

This kit contains the parts needed to replace the main control board on T16 machines. Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 2 hours)

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 cables from the batteries.



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

INSTALLATION:

1. Disconnect the seat switch harness from the main wire harness. Refer to Fig. 1.
2. Remove the entire operator seat assembly from the machine. Set the operator seat assembly and hardware aside. Refer to Fig. 1.
3. Remove the seat shroud assembly from the machine. Set the seat shroud assembly and hardware aside. Refer to Fig. 1.

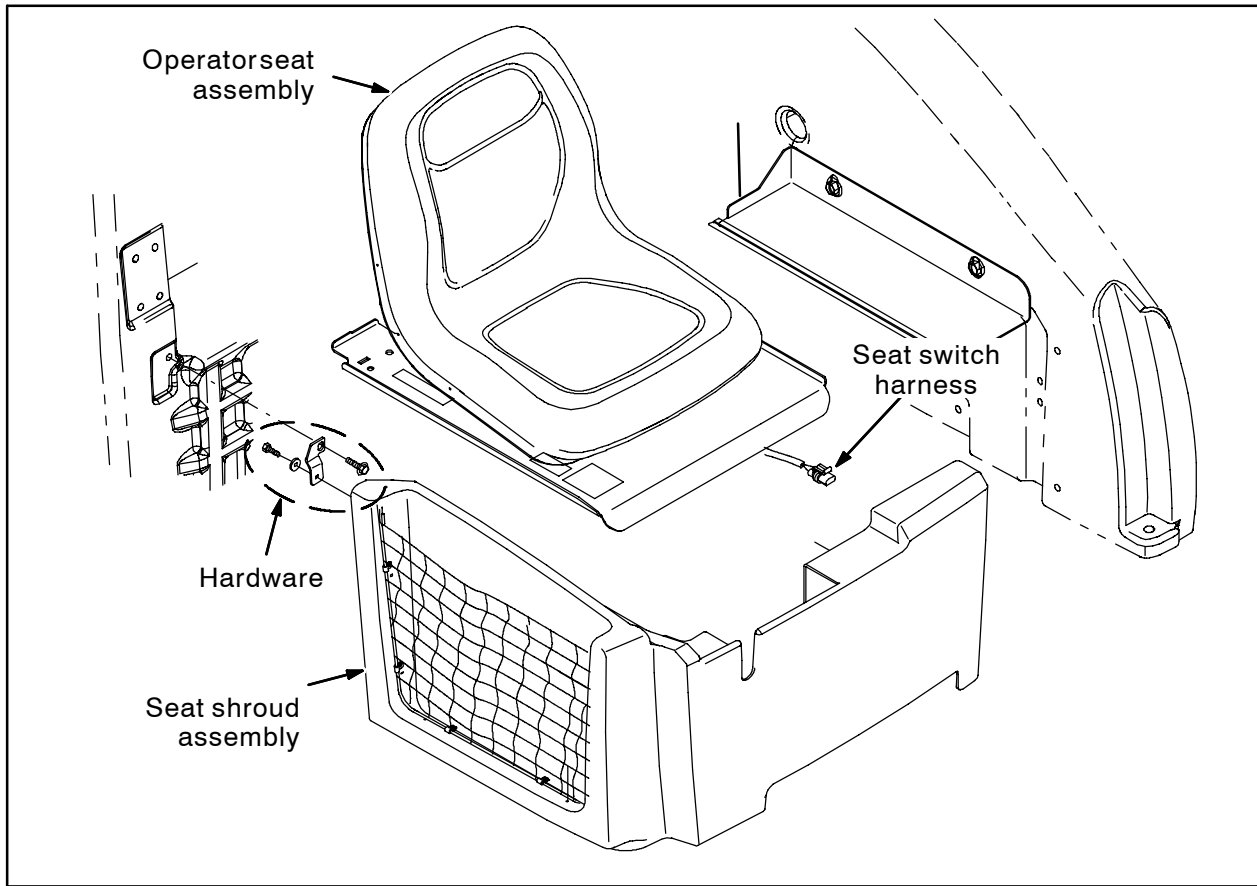


FIG. 1

4. Remove the circuit board cover from the circuit board assembly. Set the circuit board cover and hardware aside. Refer to Fig. 4.
5. Disconnect the two cables connected to the side of the control board. Refer to Fig. 2.

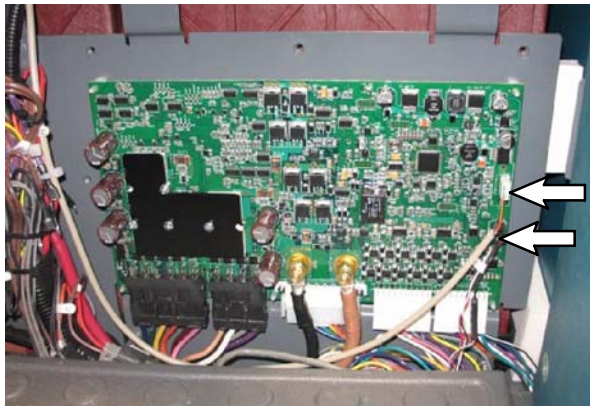


FIG. 2

6. Remove the wire clamp plate from the machine. Set the wire clamp plate and hardware aside. Refer to Fig. 4.

7. Disconnect the positive and negative cables from the control board. Set the hardware aside. Refer to Fig. 3.

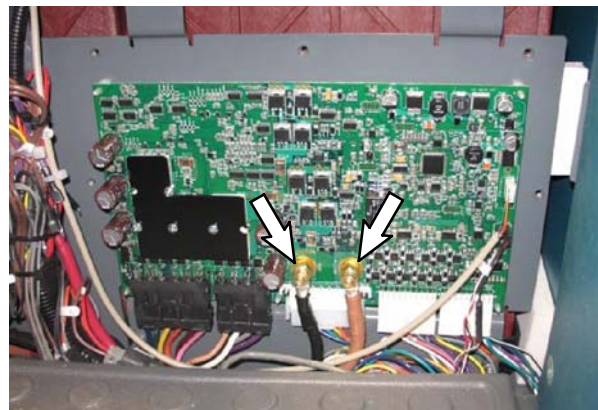


FIG. 3

8. Remove the M5 pan screws securing the circuit board to the machine. Set the M5 pan screws aside. Refer to Fig. 4.
9. Carefully pull the control board from the mounting bracket and disconnect the remaining main wire harness connectors from the along the bottom of the control board. Discard the control board. Refer to Fig. 4.

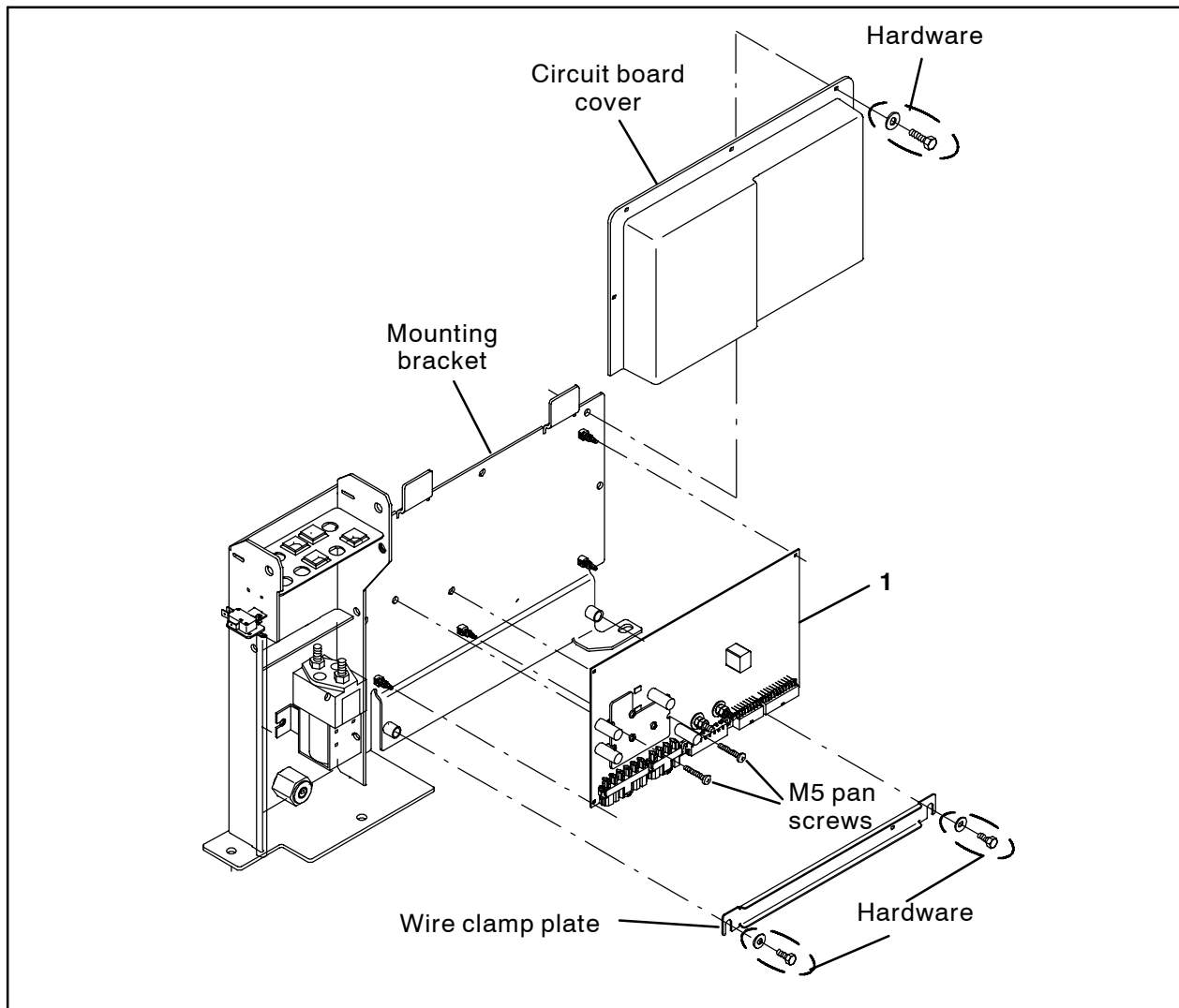


FIG. 4

10. Connect one end of the disposable ground strap (2) to ground and wrap the other end onto wrist.

NOTE: The disposable ground strap (2) must be worn at all times while handling the new control board (1). The control board could be damaged if handled without the ground strap being worn and properly grounded. Wear the ground strap while installing the control board onto the machine in Step 11 through Step 15.

11. Connect the main wire harness connectors to the connections along the bottom of the new control board (1). Refer to Fig. 4.

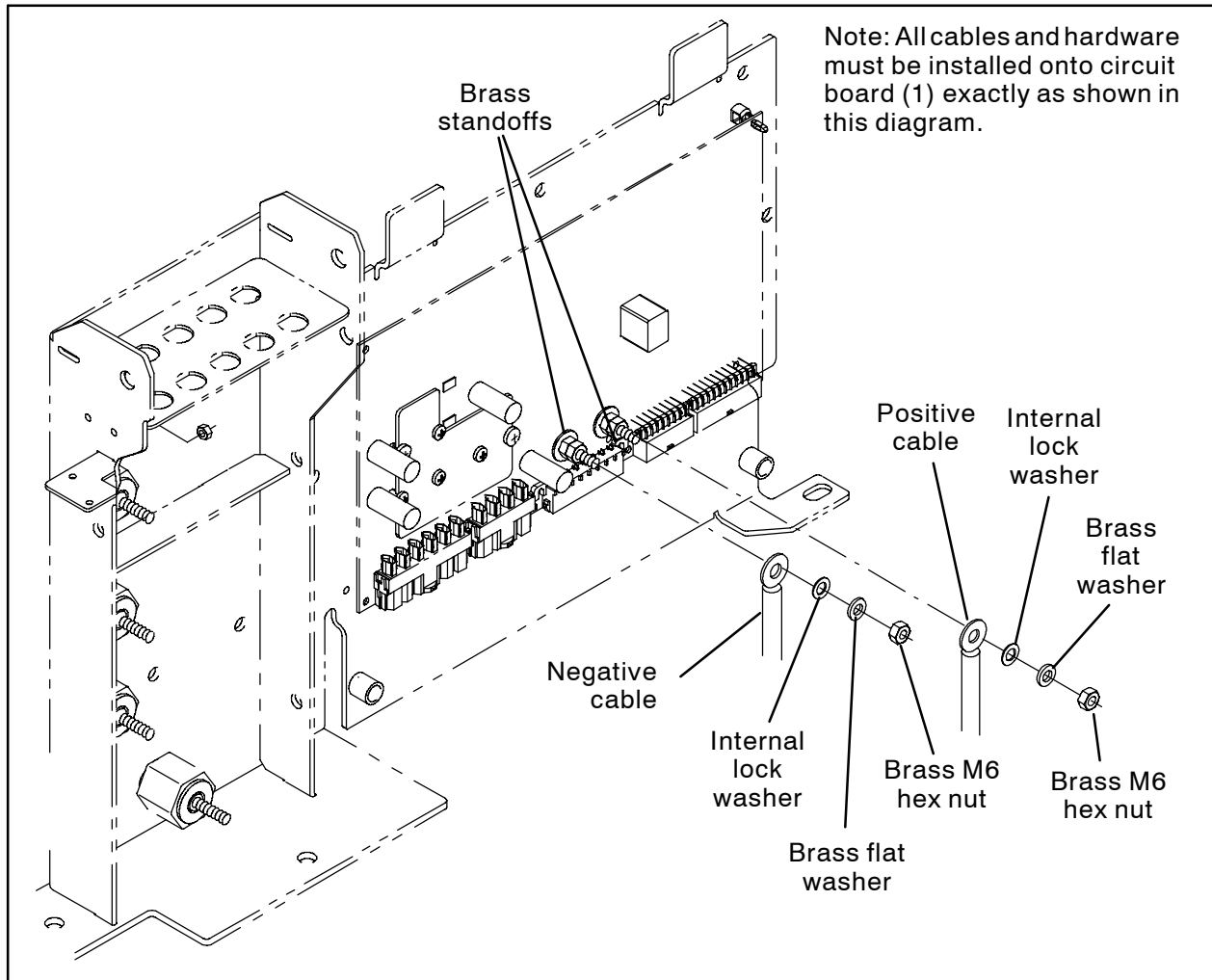


FIG. 5

12. Check to be sure the brass standoffs on the circuit board (1) are threaded tightly into the circuit board. Refer to Fig. 5.
13. Connect the positive and negative cables to the control board (1). Torque the brass M6 hex nuts between 4.07 to 4.52 Nm (3 ft. lbs to 3.3 ft. lbs). **Do Not** over tighten the M6 hex nuts. Refer to Fig. 5 and Fig. 6.

NOTE: The polarity of the positive and negative cables is critical. These cables must be connected to the control board (1) as shown in Fig. 5. The control board could be damaged if the positive and negative cables are not connected as shown.

NOTE: Install cables and hardware onto the circuit board exactly as shown in Fig. 5. Use an open end wrench to hold the brass standoffs firmly into place when tightening the brass M6 hex nuts.

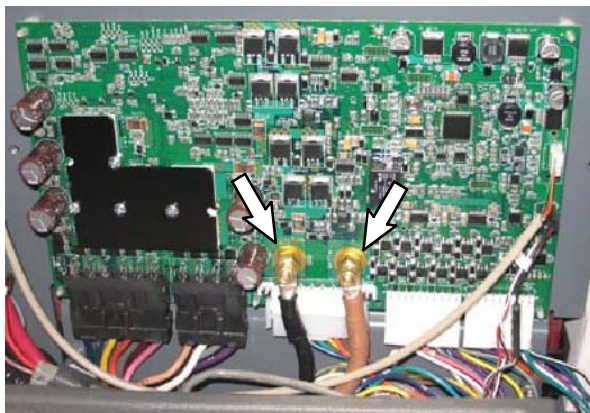


FIG. 6

14. Install the control board (1) onto the mounting bracket. Refer to Fig. 5.
15. Connect the main wire harness connectors to the connections along the side of the control board (1). Refer to Fig. 4.
16. Reinstall the wire clamp plate onto the machine. Refer to Fig. 4.
17. Reinstall the circuit board cover onto the machine. Refer to Fig. 4.
18. Reconnect the battery cables to the batteries.
19. Turn the key switch to the on position. Observe the LCD (liquid crystal display) on the touch panel is functioning.
20. Reinstall the seat shroud assembly onto the machine. Refer to Fig. 1.
21. Reinstall the seat assembly onto the machine and reconnect the seat switch cable to the main wire harness.
22. Start and operate the machine. All scrubbing functions must be functioning properly

Bill Of Materials For Kit, Circuit Board Replacement [T16] - 9008756

	Ref.	Tennant Part No.	Description	Qty.
▽		9008756	Kit, Circuit Board Replacement [T16]	1
▲	1	1058734	Circuit Board Assy [T16]	1
▲	2	27964	Strap, Ground, Static, Disposable	1

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