INSTRUCTION BULLETIN

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.
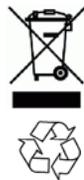
Installation instructions for **kit number 9013717**

SYNOPSIS:

This kit contains the instructions needed to install the updated firmware for T17 scrubbers. Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 15 minutes)

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 set the parking brake.

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set the parking brake.

FIRMWARE INSTALLATION:

1. Remove the access panel from the steering channel. Set the hardware and access panel aside. (Fig. 1)

FIG. 1

2. Cut cable tie to release bundled wires and allow access to machine USB cable.

3. Remove the cover from the machine USB cable. Set the machine USB cable cover aside. (Fig. 2)

FIG. 2

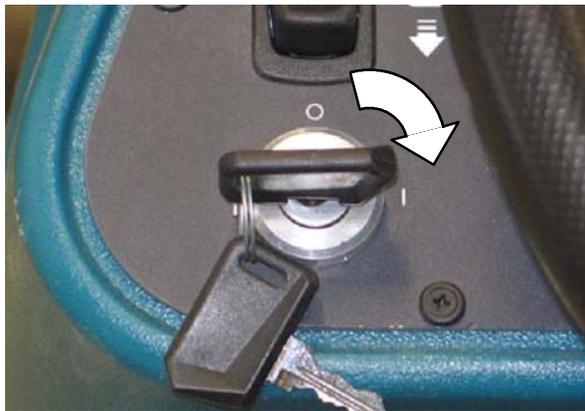4. Turn the key switch to the ON position. (Fig. 3)

FIG. 3

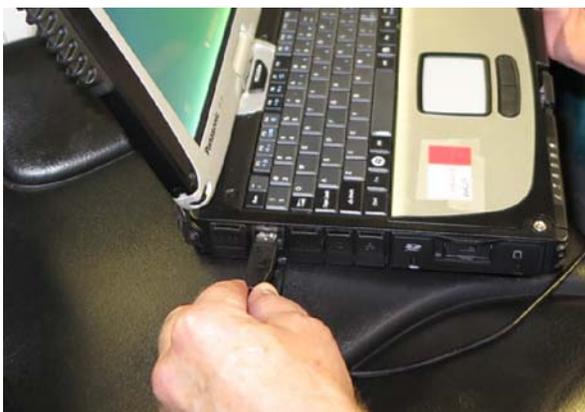5. Connect the machine USB cable to the service computer. (Fig. 4)

FIG. 4

6. Click the START icon located at the lower left of the screen and scroll to and select T17 Firmware Updater from the All Programs menu. (Fig. 5)
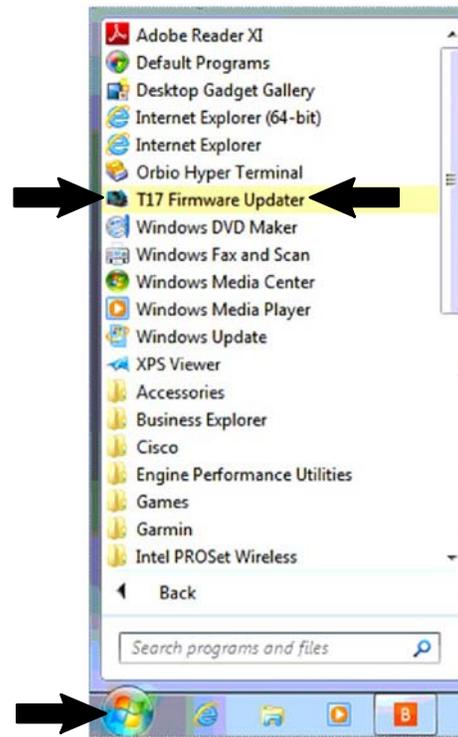

FIG. 5

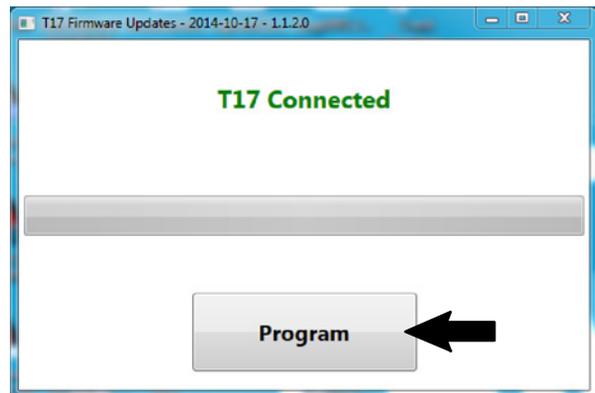7. Click **Program** to start updating the main scrub and Pod firmware. (Fig. 6)

FIG. 6

8. Allow both the main scrub and pod firmware to update. The firmware update status bar fills from left to right for the main scrub update and repeats for the pod update. Watch for error messages. In the event of any error messages, stop the firmware update, close the Firmware Updater, turn the key switch to the OFF position, and repeat Step 4 through Step 7 to restart the firmware update. (Fig. 7)
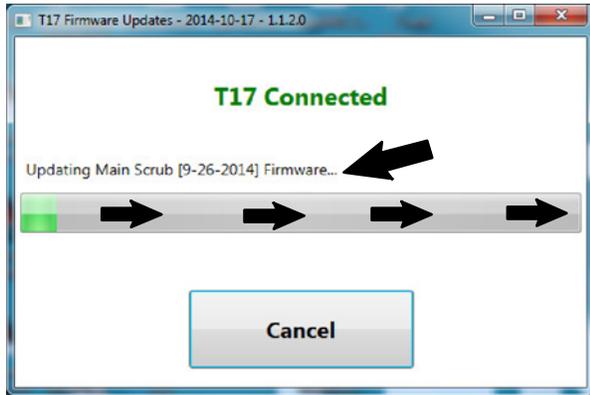

FIG. 7

NOTE: *Various lights on the pod will flash and different messages will appear in the LCD display. This is normal for the firmware update and requires no intervention.*

9. Upon completion of the firmware update a Program Machine text box stating **Programming complete. Please key cycle the machine to complete the update process** appears on the screen. Click **OK**. (Fig. 8)

FIG. 8

10. Observe the pod LCD display. Allow the pod to complete the firmware update. Various messages will appear on the LCD while the pod firmware update is being completed. Wait for the default operation information to appear on the LCD upon completion of the firmware update. **Do** **Not** press any buttons while the pod is updating the firmware.

11. Turn the key switch to the OFF position.

12. Disconnect the machine USB cable from the service computer.

13. Reinstall the cover onto the machine USB cable.

14. Use a cable tie to secure the machine USB cable back to the main harness.

15. Turn the key switch to the ON position and note the pod firmware date located on the second line of the LCD display. The pod firmware date should be the date shown. (Fig. 9).

FIG. 9

16. Turn the key switch to the OFF position.

17. Press the Configuration Mode Button and again turn the key switch to the ON position. Continue to hold the Configuration Mode Button until CONFIG MODE appears on the LCD display. (Fig. 10)

FIG. 10

18. Release the Configuration Mode Button.

19. Press the Configuration Mode Button several times until CAN DIAG MODE appears on the LCD display. (Fig. 11)

FIG. 11

20. Press the Brush Pressure Button once. CD2: Scrub appears on the LCD display. (Fig. 12 / Fig. 13)

FIG. 12

FIG. 13

21. Press the Brush Pressure Button again and Online should appear in the second line of the LCD display. (Fig. 14)

FIG. 14

22. Press the Configuration Mode Button. MScrub followed by the main scrub firmware date inside parenthesis will appear in the second line of the LCD display. The main scrub firmware date should be the date shown. (Fig. 15)
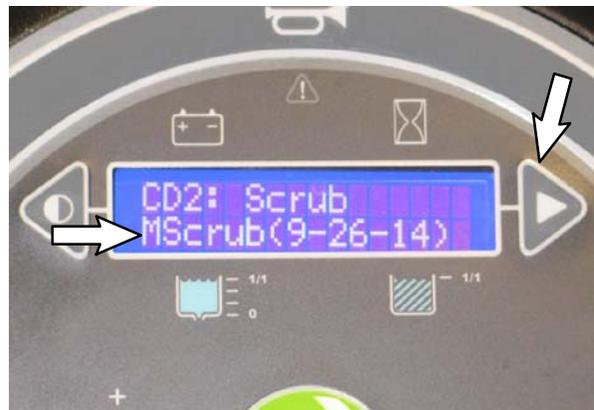

FIG. 15

23. Reinstall the access panel onto the steering channel.

24. Start and test machine. Ensure all scrubbing functions, safety equipment, and options function.

TENNANT COMPANY
P. O. Box 1452
Minneapolis, MN 55440-1452