

# T600 IRIS Telemetry Kit



This kit includes the necessary parts to install IRIS telemetry technology on a standard T600 model. Kit installation is intended for affiliate distributors only.

## INSTALLATION INSTRUCTIONS:

**Installation Time:** 1.5 Hours

### Kit Installation Requirements:

Tennant ServiceLink computer or a computer with Wi-Fi connection to access the Tennant Service Application Software, and USB cable (supplied with kit).

*Computer System Requirements: Windows® 7 OS, Microsoft .NET Framework 4.5 or later, USB Port.*

**NOTICE** - The IRIS Telemetry Kit MUST be activated to complete the installation. After kit is installed CALL Technical Support to activate as described on page 5.

**Special Tools Required:** T-25 torque screwdriver

### PREPARE MACHINE FOR KIT INSTALL:

1. Drain the solution and recovery tanks.
2. Park the machine on a level surface and remove key.
3. Disconnect battery cable connector from the battery pack (Figure 1).

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

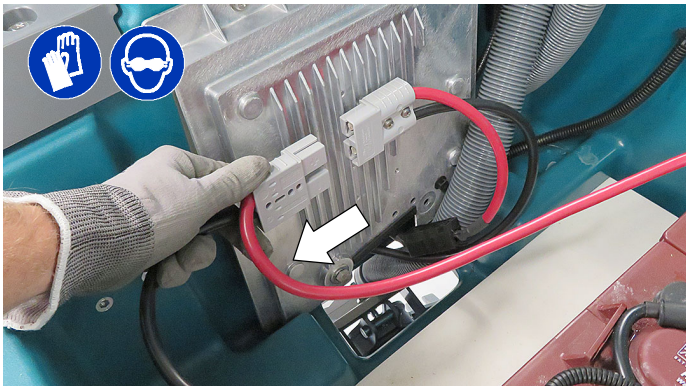


Fig. 1

4. Remove the top two screws from the heat-sink panel and carefully lower panel as shown (Figure 2). Place a piece of cardboard over the battery terminals to prevent contact with metal heat-sink panel.

**FOR SAFETY:** When servicing machine, keep all metal objects off batteries.

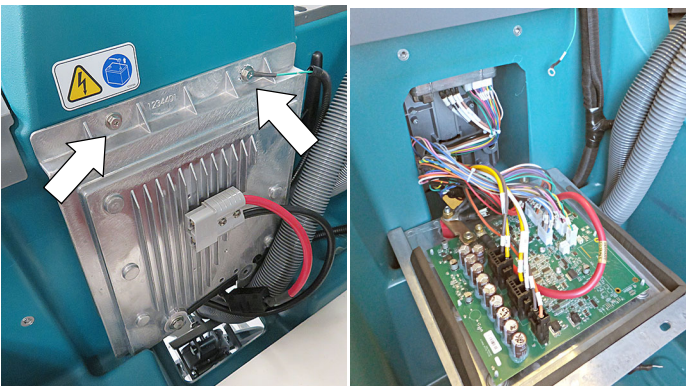


Fig. 2

5. Disconnect the wire connectors, bus-bar and red cable from circuit board and remove circuit board from the heat-sink panel (Figure 3). The circuit board is mounted to the heat-sink panel with eight torque head screws and six standoffs. Squeeze the standoff flange to release circuit board from panel.

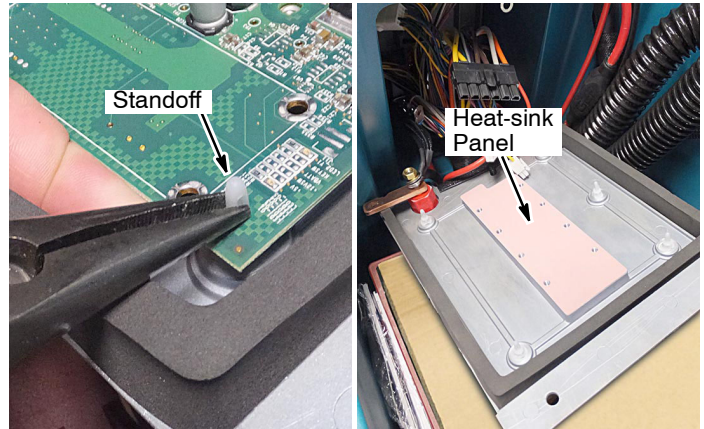
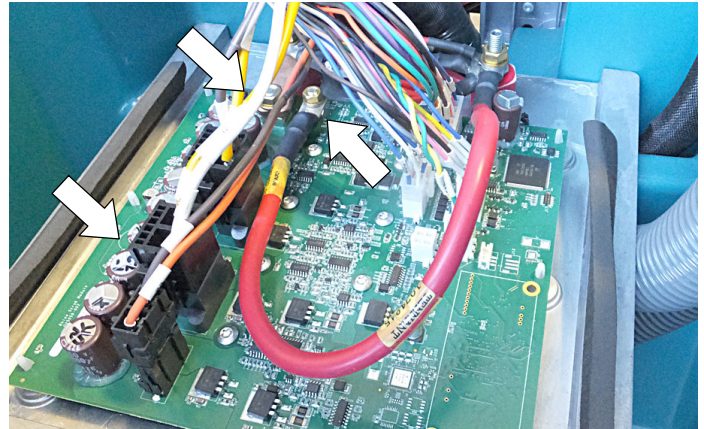


Fig. 3

### INSTALL TELEMETRY KIT PARTS:

1. Use the supplied static ground strap as instructed when handling the new circuit board (Figure 4).



Fig. 4

- Mount the new circuit board to the heat-sink panel using existing hardware (Figure 5). Install the antenna bracket with two spacers as shown. Connect the antenna wire from the new circuit board to the antenna bracket as shown.

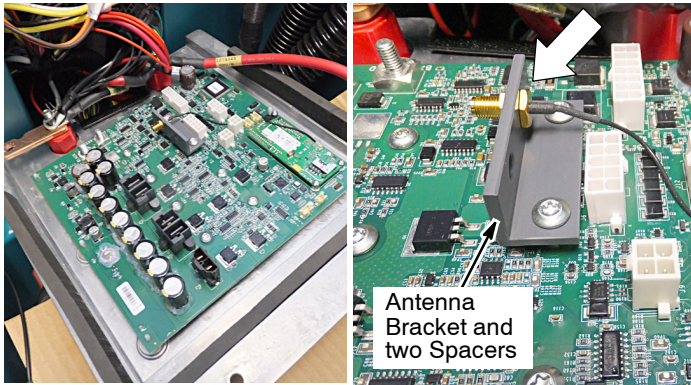


Fig. 5

- Adhere the antenna to the machine as shown. Connect the antenna wire to the circuit board antenna connector as shown (Figure 6). Secure the antenna wire with a cable-tie.

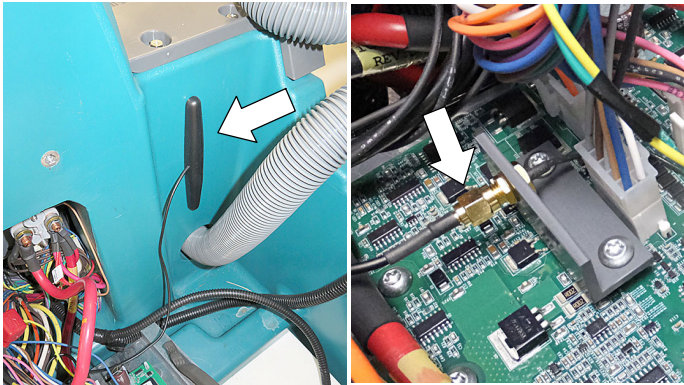


Fig. 6

- Carefully remove the telemetry SIM card from the card holder (Figure 7).

**NOTE:** DO NOT dispose the card holder, the bar-code information will be needed to activate the telemetry system as described later to complete installation.



Fig. 7

- Fully insert the SIM card into the circuit board card slot as shown (Figure 8).

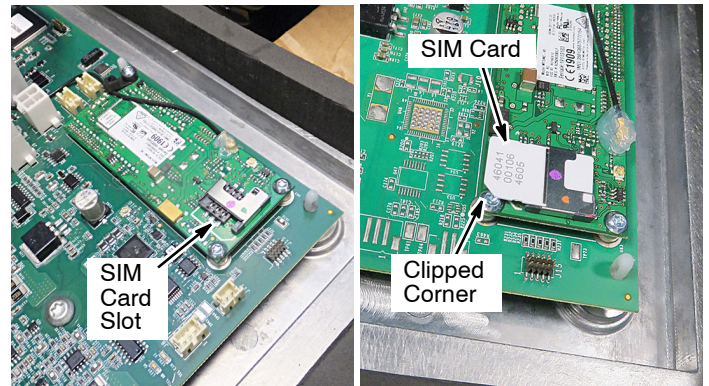


Fig. 8

- Plug the kit diode into the open D4 wire connector as shown (Figure 9). Secure the diodes with a cable-tie.



Fig. 9

- Reconnect the bus-bar and red cable to the new circuit board as shown (Figure 10).

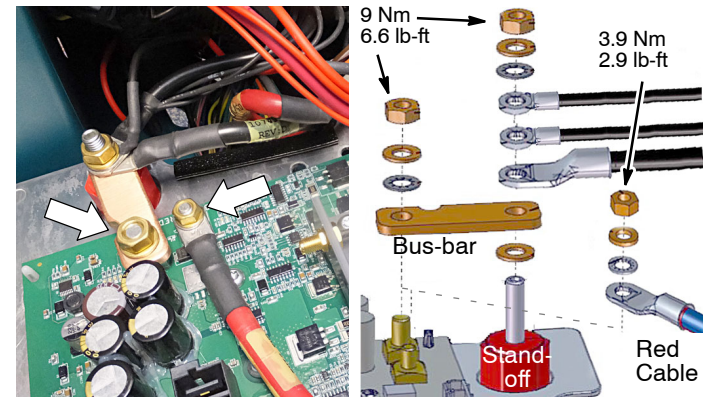


Fig. 10

- Reconnect the wire connectors to the new circuit board as shown (Figure 11).

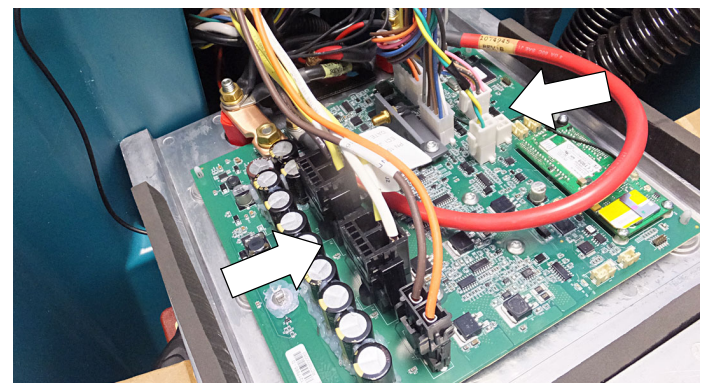


Fig. 11

- Re-install the heat-sink panel to the machine. Make sure to reconnect the ground wire to panel (Figure 12).

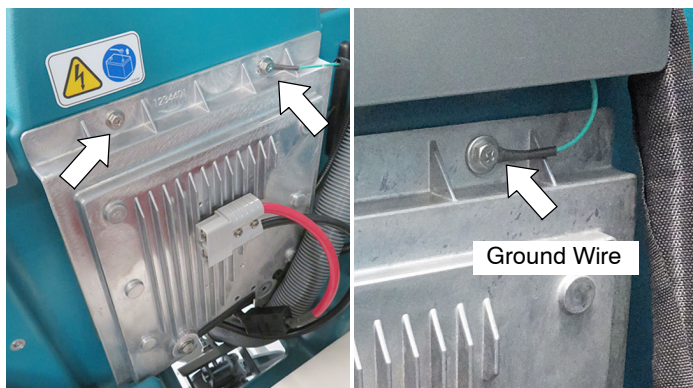


Fig. 12

- Reconnect battery cable connector to the battery pack (Figure 13).

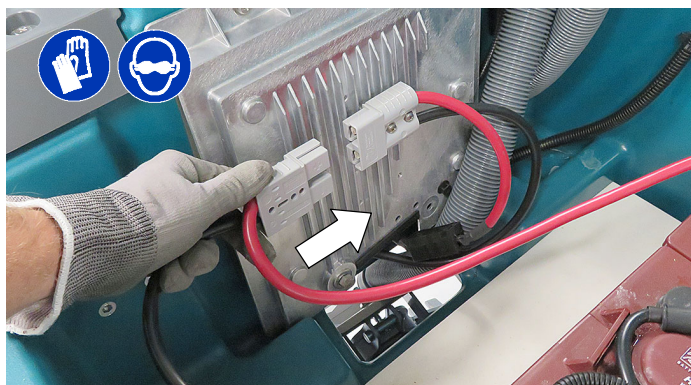


Fig. 13

- Adhere the FCC label to machine as shown (Figure 14).



Fig. 14

- Reconfigure the machine's control board for IRIS Telemetry technology.

## RECONFIGURE THE MACHINE'S CONTROL BOARD FOR IRIS TELEMETRY TECHNOLOGY:

The Tennant Service Application Software is required to reconfigure the machine's control board to recognize the IRIS Telemetry installed kit. See **TENNANT SERVICE APPLICATION SOFTWARE** on page 6 to access software.

**NOTE:** If the Service Application Software is currently installed on your computer, confirm or re-install the software to ensure latest software version is installed.

If you encounter any problems during the programming process please contact the Technical Service Department for support.

- Start the Service Software Application program "Service Diagnostics..." (Figure 15).



Fig. 15

- After start up, the following screen will appear (Figure 16).

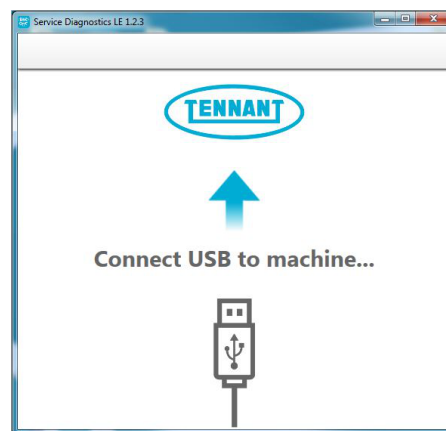


Fig. 16

- Connect the USB cable, supplied with kit, to computer and to the USB port on machine as shown. Turn the key switch to the on position (Figure 17).

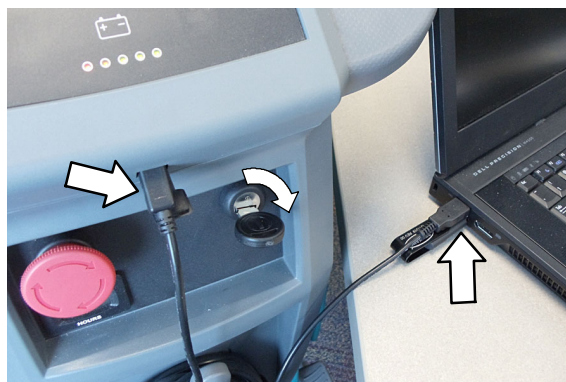


Fig. 17

- The application software will then connect to the machine (Figure 18). If the application remains on the “Connecting to Machine...” screen for an extended period, cycle key or reconnect USB cord. If it still fails to connect, restart software or computer.

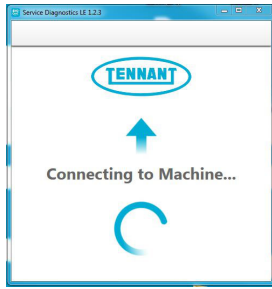


Fig. 18

- Once connected, the home screen will appear (Figure 19). If firmware updates are required, the “Firmware” button will be highlighted in yellow as shown. Press the button to update the machine’s firmware.

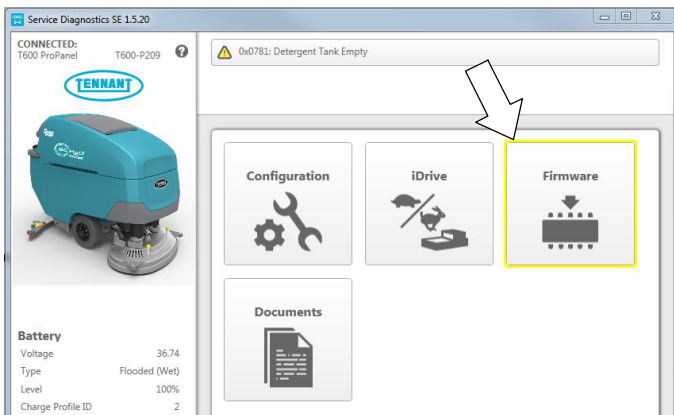


Fig. 19

Continue with the firmware update by pressing the yellow “Update” button (Figure 20).

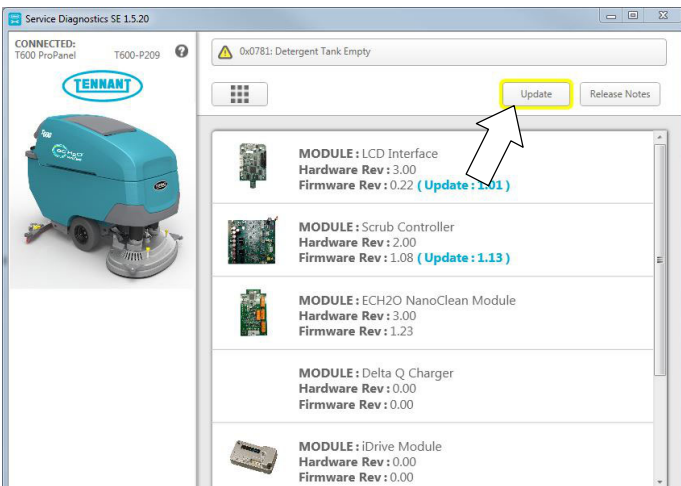


Fig. 20

- From the Home screen, press the Configuration button (Figure 21).

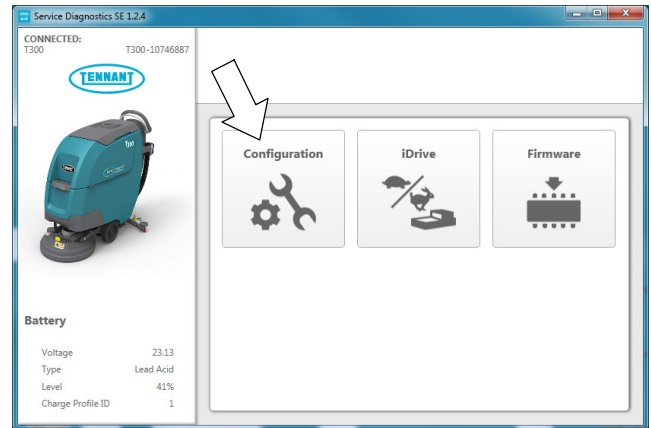


Fig. 21

- From the machine configuration page, select “Yes” for **Machine Communication (IRIS)** (Figure 22). Then press the down arrow button to program the machine. A green check will appear next to the down arrow button when programmed.

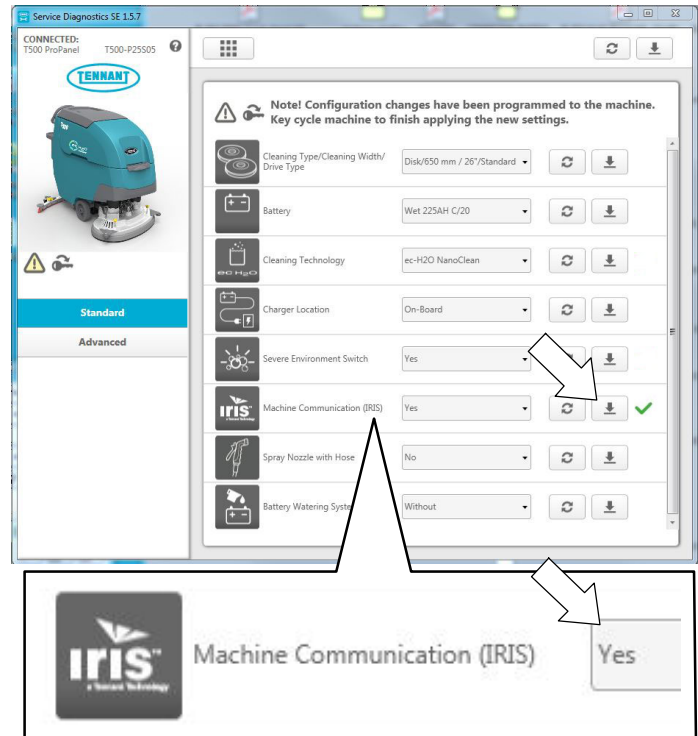


Fig. 22

- Cycle the key to apply the new machine configuration. Disconnect the USB cable.

## ACTIVATE THE IRIS TELEMETRY SYSTEM

**NOTE:** The IRIS telemetry system must be activated to complete this installation. The system will not function until it is activated.

For assistance to activate the IRIS telemetry system, call your customer service location:

Before calling, be sure to have the machine serial number and the 20 digit SIM card bar-code number ready for activation (Figure 23).

**Australia Customer Service Location:** Call CCC between hours 8:00 am and 5 pm AEST, Monday through Friday. Ask to be routed to the IRIS expert for assistance.

**Canada, Europe, Middle East, Africa Customer Service Location:** Call local IRIS expert between hours 8:00 am and 5 pm, Monday through Friday.

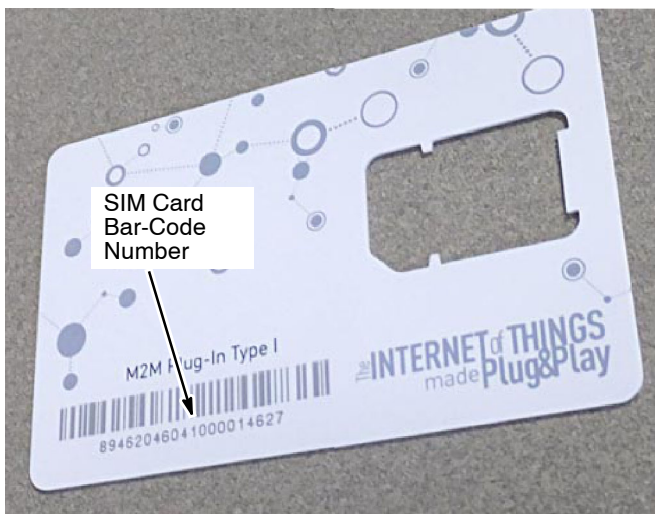
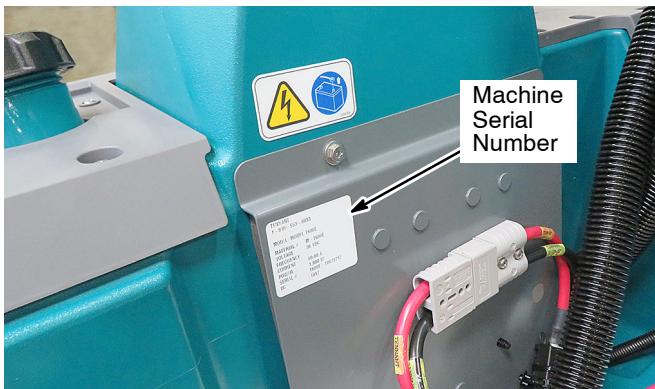


Fig. 23

**TENNANT SERVICE APPLICATION SOFTWARE:**

The Tennant service application software can be accessed or downloaded as described below.

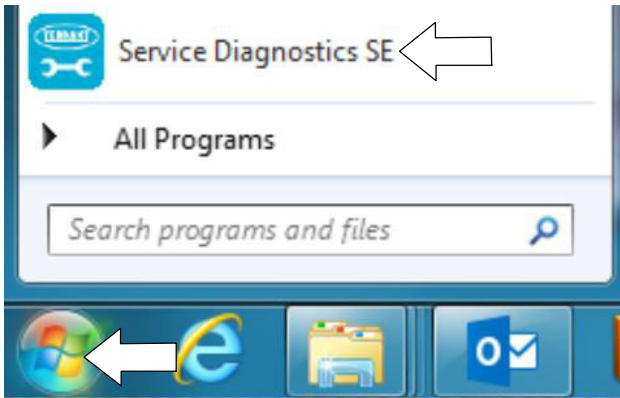
**Tennant True Service with ServiceLink computers:**

The software is pre-installed on your computer as shown below. The software application is titled “**Service Diagnostics**” (Figure 24).

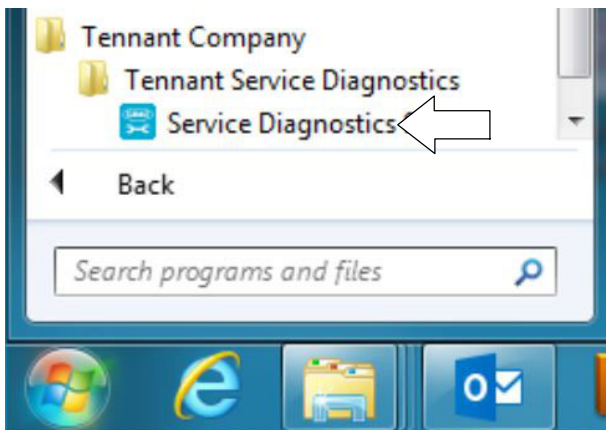
**Icon on Desktop**



**From Start menu**



**From Start menu > All Programs > Tennant Company > Tennant Service Diagnostics**



**Fig. 24**

**Authorized Tennant Service Providers:**

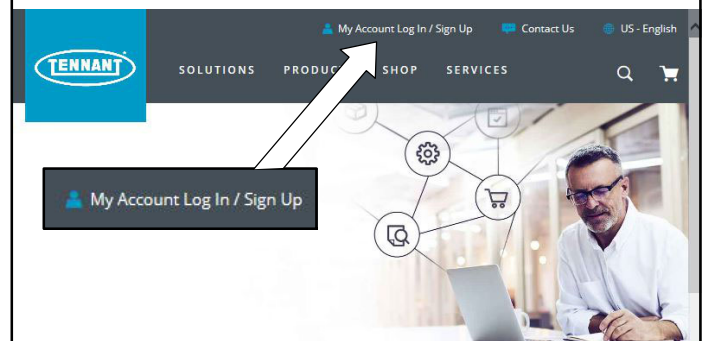
The Service Application Software can be downloaded from the Tennant Public website as described below.

**NOTE:** *If the Service Application Software is currently installed on your computer, confirm or re-install the software to ensure latest software version is installed.*

To access the Service Application Software, go to **www.tennantco.com**. Depending on your geographical location, the website may have a “**My Account Log In/Sign Up**” button at the upper right or a “**My Tennant Customer Sign In**” tab at the upper right of the Tennant website as shown below (Figure 25).

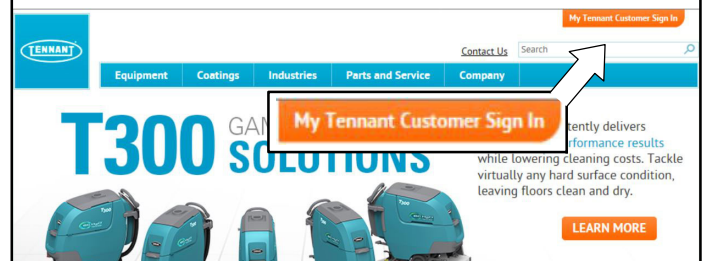
Proceed with the software download instructions as described on the following pages.

**Website with “My Account Log In/Sign Up” button (Access to “My Account”)**



**OR**

**Website with “My Tennant Customer Sign In” tab (Access to My Tennant)**



**Fig. 25**

**Website with “My Account Log In/Sign Up” button:**

1. Press “My Account Log In/Sign Up” to open or create an account (Figure 26).

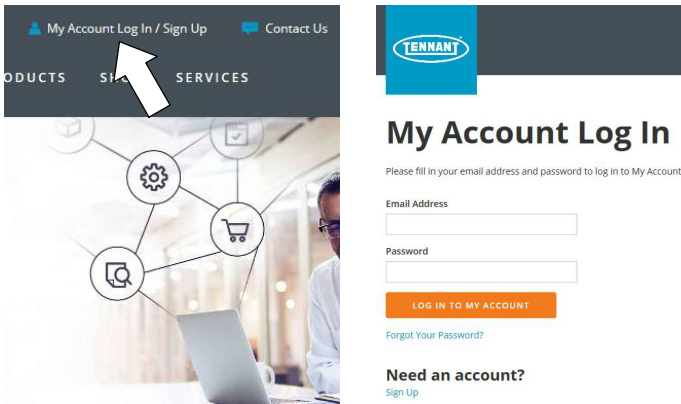


Fig. 26

2. Once logged in to the “My Account” website, click on the “INTERNAL RESOURCES” link as shown below (Figure 27).

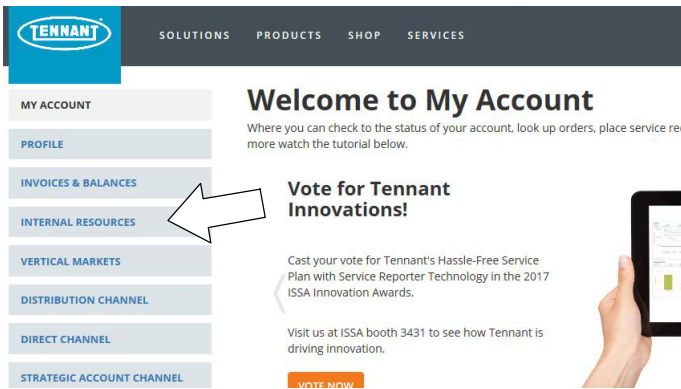


Fig. 27

3. Click on the “SERVICE APPLICATION SOFTWARE” link as shown below (Figure 28).

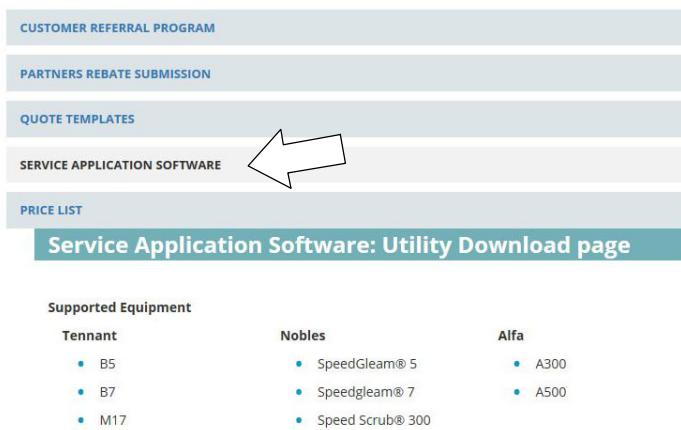


Fig. 28

4. Within the Service Application Software page, click on the link titled “Service Diagnostics LE version x.x.xx” (Figure 29).

**Documents**



Fig. 29

5. To download the service software continue to click as instructed then click the Save button (Figure 30).

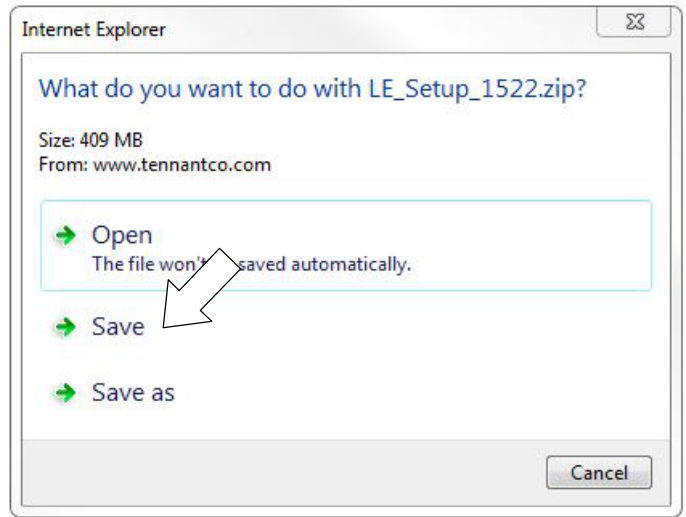


Fig. 30

6. Open the “Downloads” folder and locate the “LE\_Setup\_xxxx” zip file. Open the zip file and double click on the “LE\_Setup\_xxx” file to install the application software on your computer (Figure 31). Follow instructions on screen to install.



Fig. 31

7. After the service application software is installed on your computer, refer to figure 24 to access the program.

**Website with “My Tennant Customer Sign in” tab:**

1. Log in to the “My Tennant” website or register as a new user (Figure 32).

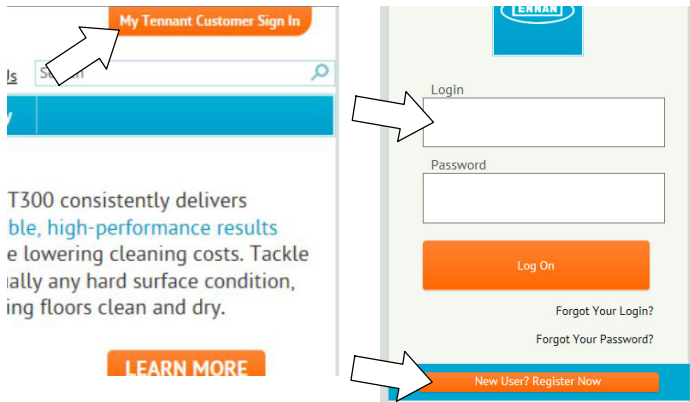


Fig. 32

2. Once logged on to the “My Tennant” website, click on the “Service Application Software” link under the “Product Support & Solution” section as shown below (Figure 33).



Fig. 33

3. Within the Service Application Software page, click on the link titled “Service Diagnostics LE version x.x.xx” to download the application installer then click the Save button (Figure 34).

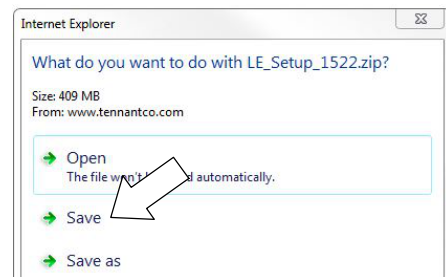
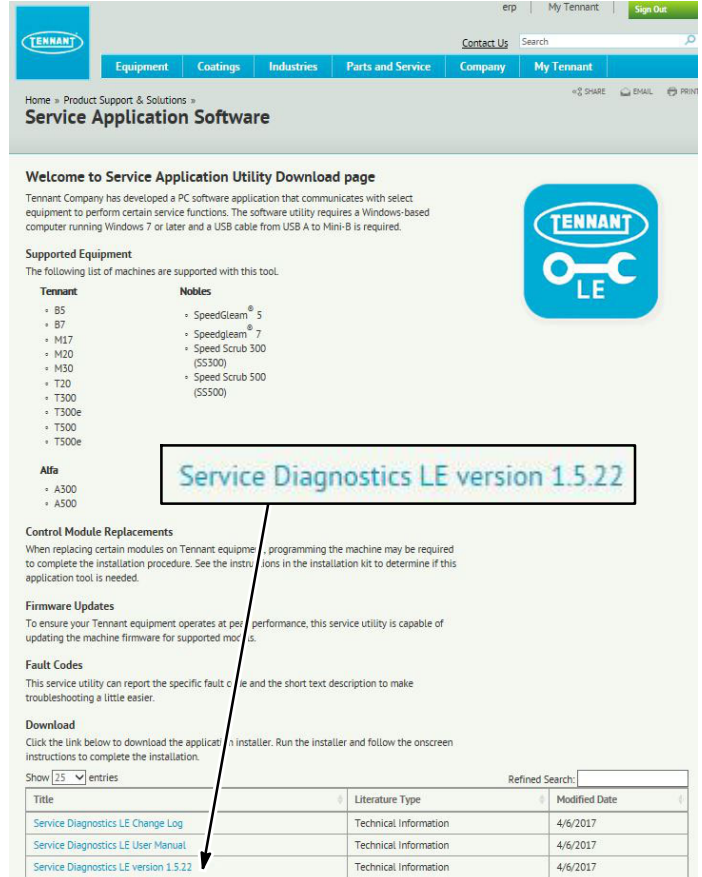


Fig. 34

4. Open the “Downloads” folder and locate the “LE\_Setup\_xxxx” zip file. Open the zip file and double click on the “LE\_Setup\_xxx” file to install the application software on your computer (Figure 35). Follow instructions on screen to install.

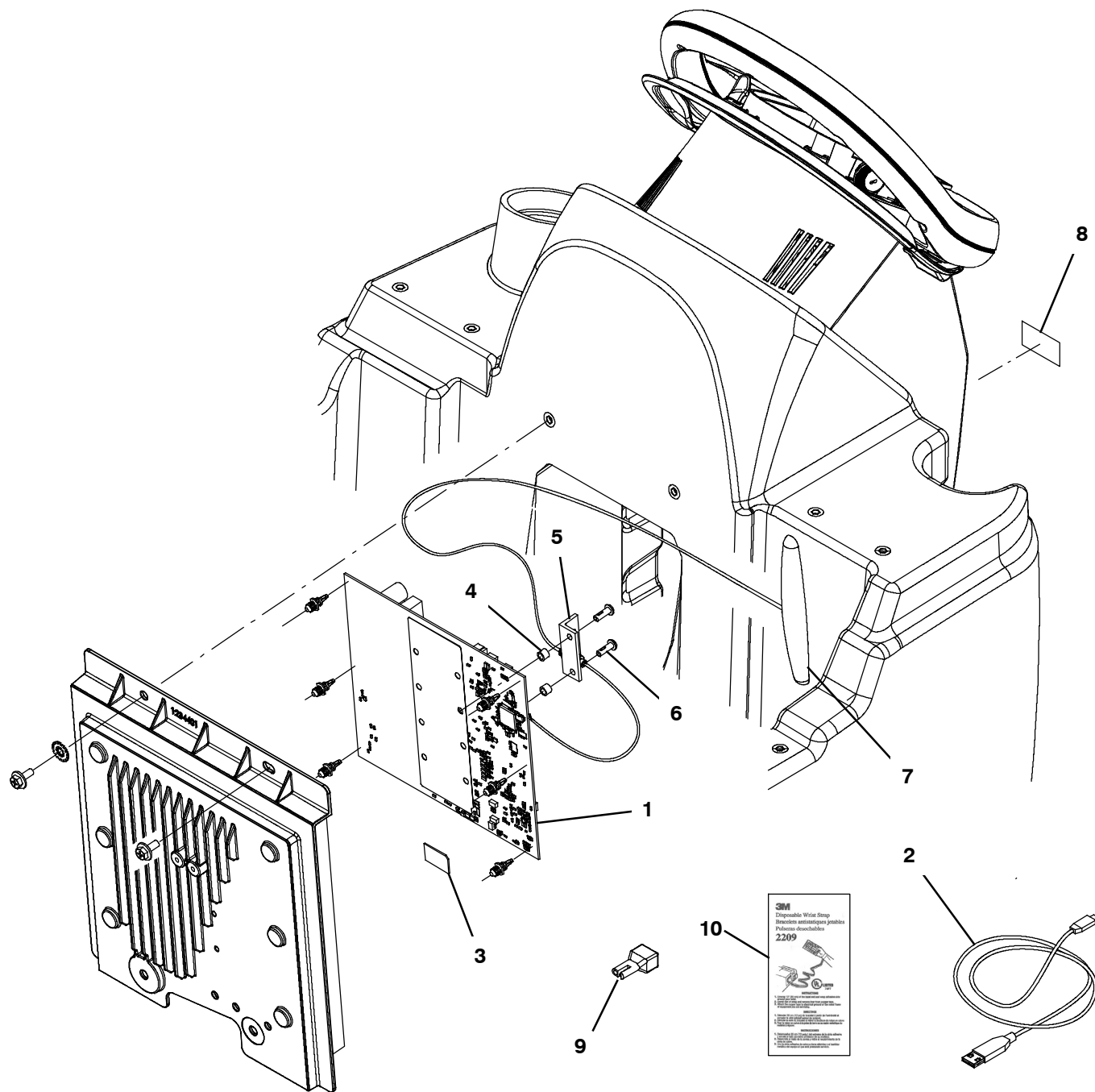


Fig. 35

5. After the software is installed on your computer, refer to figure 24 to access the program.



### T600 IRIS Telemetry Kit Parts List



Ref	Part No.	Description	Qty
	9042078	Telemetry Kit, IRIS, Di [T600] (Complete Kit)	1
1	9017503	Circuitboard Kit, W/Telem, Ci [T600]	1
2	1071235	Cable [Usb, 2m, A- Male To Mini- B- Male]	1
3	9014187	Kit, Telem, Ci [Sim, Intl, T600]	1
4	1227815	Spacer, Unthreaded, Aluminium	2
5	1227812	Bracket, Sma Connector [Antenna]	1
6	1205799	Screw, Btn, M5 X 0.8 X 16, 8.8, NI, Torx	2
7	315724	Antenna, Telem, 18.0 In [Gprs]	1
8	1069580	Label, Mach, Telem [FCC, Usa, Intl]	1
9	222290	Diode, Ele, Plug	1
10	27964	Strap, Ground, Static	1