



Drive Module Replacement Kit Bezel Control Board Replacement Kit

Models: B5, B7, Speed Gleam 5 and Speed Gleam 7 Floor Burnishers



NOTICE: Kit installation requires access to the Tennant Service Application Software to program the new replacement bezel control board and drive module. The service application software can be accessed or downloaded as described on page 5.

INSTALLATION INSTRUCTIONS:

Installation Time: 1 Hour

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.

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

1. Disconnect battery cables from machine and install new replacement part.

NOTE: When handling the new bezel control board, it is recommended to use a static wrist strap to protect the control board from damage.

2. Reconnect battery cables to machine after installing the new replacement part.
3. Program the new replacement part as described below.

PROGRAMMING INSTRUCTIONS:

The Tennant Service Application Software is required to program the new replacement part. See **TENNANT SERVICE APPLICATION SOFTWARE** on page 5 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.

CONTROL BOARD KIT 9012787:

1. Reconnect battery cables to machine.
2. Start the Service Software Application program “Service Diagnostics...”(Figure 1).



Icon on Desktop

Fig. 1

9012787 Control Board Replacement Kit Contents		
Part No.	Part Description	
1219735	Control Board Assy. [User Interface]	
27964	Strap, Ground, Static	
1071235	USB Cable [2M, A- Male to Mini- B- Male]	
9012826 Drive Module Replacement Kit Contents		
Part No.	Part Description	
1205349	Drive Module [D51513]	
1071235	USB Cable [2M, A- Male to Mini- B- Male]	

3. After software start up, the following screen will appear (Figure 2).

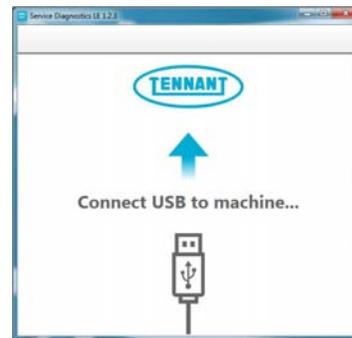


Fig. 2

4. Connect the USB cable to computer and to the USB port on machine as shown. Turn the key switch to the on position (Figure 3).

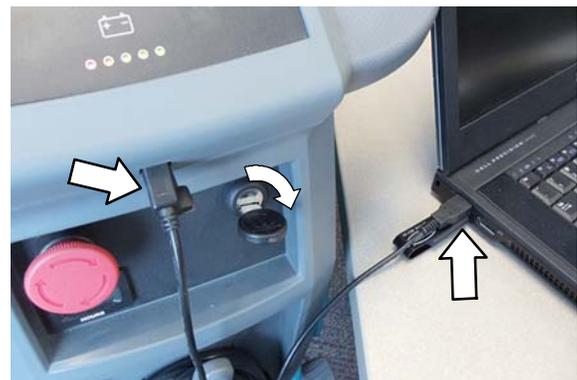


Fig. 3

- The application software will then connect to the machine (Figure 4). 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. 4

- The following screen will appear when the application software is connected to machine (Figure 5). Enter the machine serial number from the label on machine (ex. B7- 12345678). Select the appropriate model from the drop-down menu. Press the arrow button to advance to next screen.

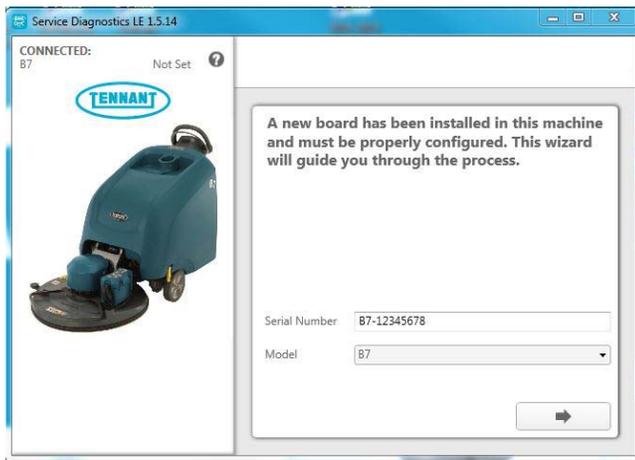


Fig. 5

- Carefully select all of the installed options on the machine (Figure 6). This may visually require inspecting the machine to confirm installed options. Press the arrow button to advance to next screen.

NOTE: If the machine is configured incorrectly, the machine may throw a fault code during machine start up.

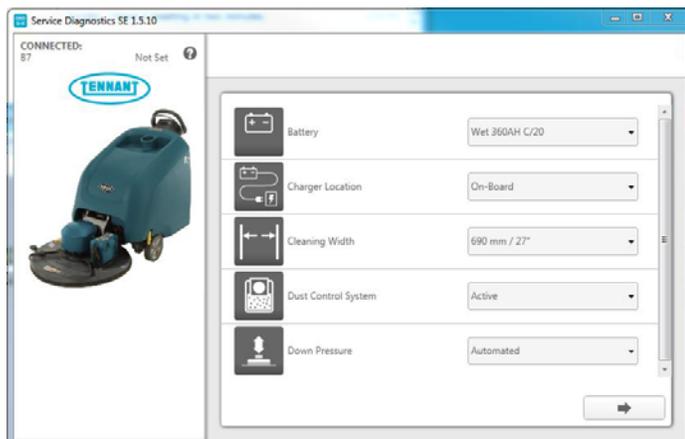


Fig. 6

- The application will begin the process of configuring the new control board and drive module. The following screen will appear (Figure 7). During this process, the application may prompt for key cycles. Turn off key, wait a few seconds and turn key back on to continue. The process will also automatically update any machine firmware as needed.

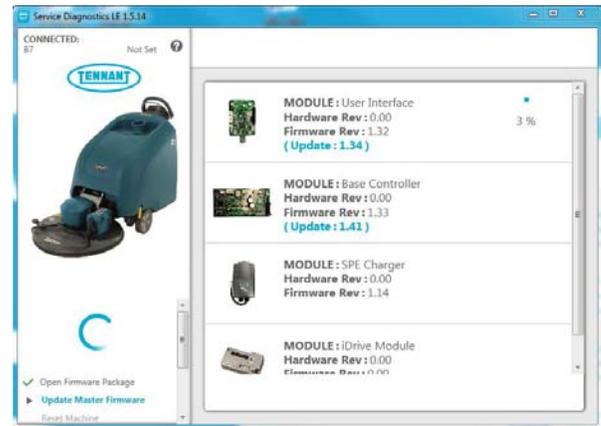


Fig. 7

- The following screen will appear when the process has completed (Figure 8). Press the arrow button to return to the Home Screen. Disconnect the USB cable from the machine and turn key off. The machine is now ready for operation.



Fig. 8

10. Test machine to ensure all installed options are functioning and no fault codes appear. If a fault code appears, proceed to next step.
11. Check for loose wire connectors at new control board.

Reconnect the application software to machine and check the machine configuration selections for any incorrect installed options. When the software is reconnected to machine, the following Home page will now appear (Figure 9). Select the Configuration button.

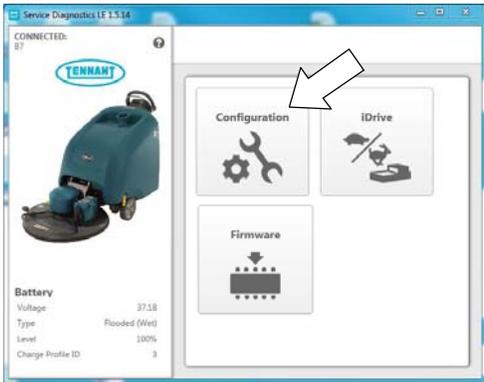


Fig. 9

12. Check and correct the installed options (Figure 10). Then press the down arrow button to program the machine. A green check will appear next to the down arrow button when programmed.

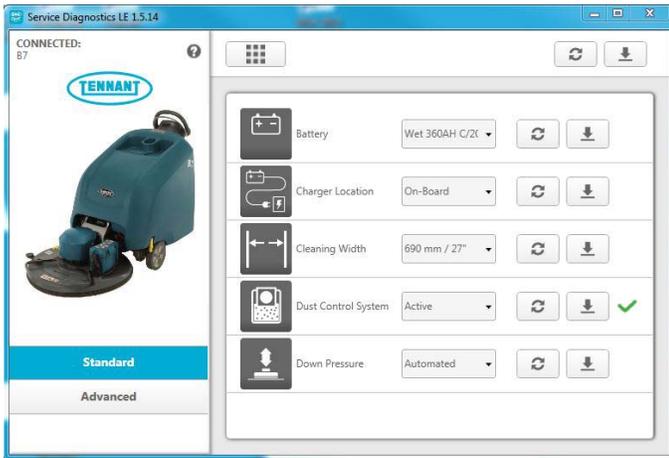


Fig. 10

13. Cycle key to apply the corrected configuration setting. Disconnect USB cable.
14. Retest machine to ensure all installed options are functioning.

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

DRIVE MODULE KIT 9012826:

1. Reconnect battery cables to machine.
2. Start the Service Software Application program “Service Diagnostics...”(Figure 1).



Icon on Desktop

Fig. 11

3. After software start up, the following screen will appear (Figure 2).

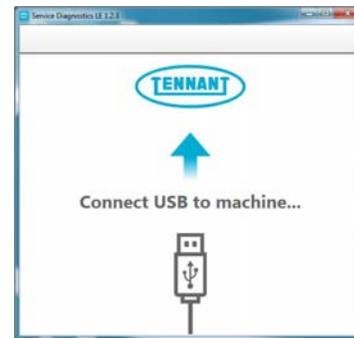


Fig. 12

4. Connect the USB cable to computer and to the USB port on machine as shown. Turn the key switch to the on position (Figure 13).

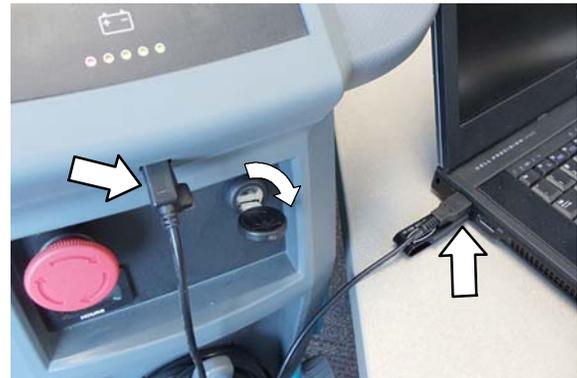


Fig. 13

- Once connected, the home screen will appear (Figure 14). If the Firmware button is highlighted in yellow, update the machine's firmware before programming the new drive module.

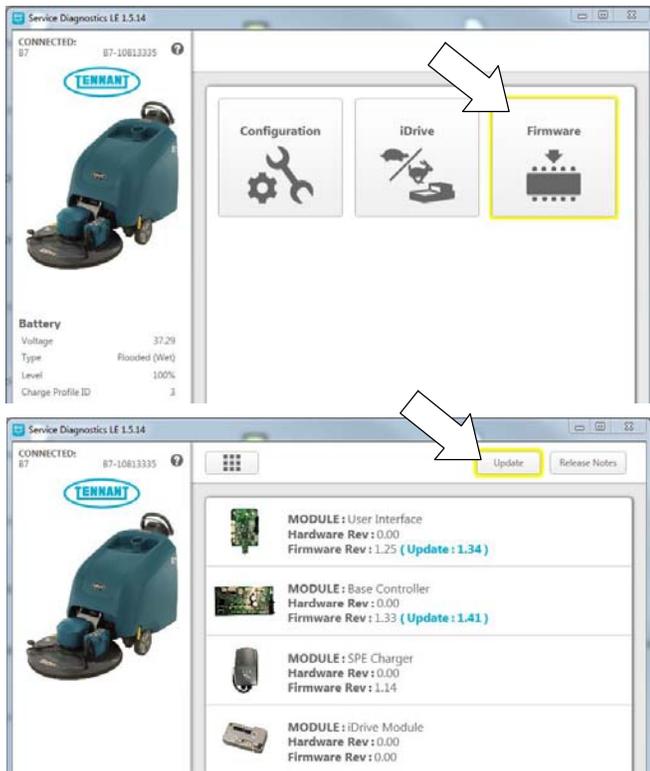


Fig. 14

After the firmware is updated, press the home button to return to the home screen (Figure).

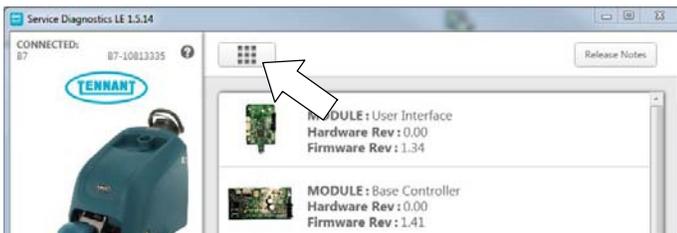


Fig. 15

- To program the new drive module press the “iDrive” button to enter the programming screen (Figure 16).

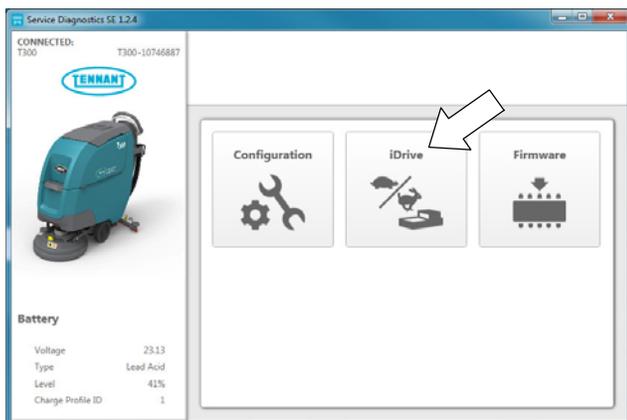


Fig. 16

- Press the “Program Factory Defaults” button to program the new drive module (Figure 17).

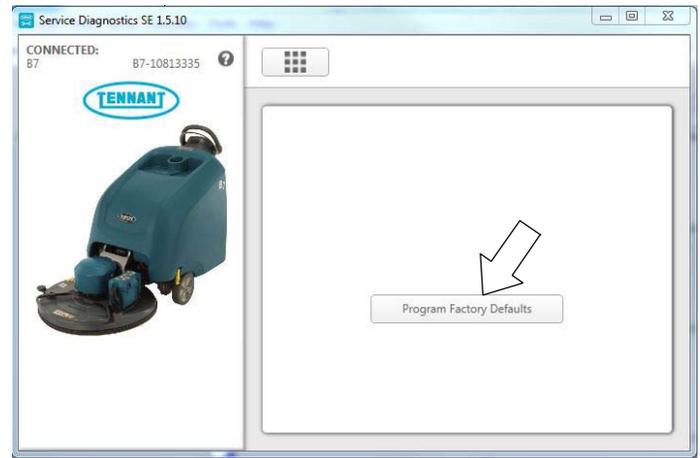


Fig. 17

- Programming may take several seconds to complete (Figure 18). Follow the instructions on screen if prompted to cycle key to complete process.

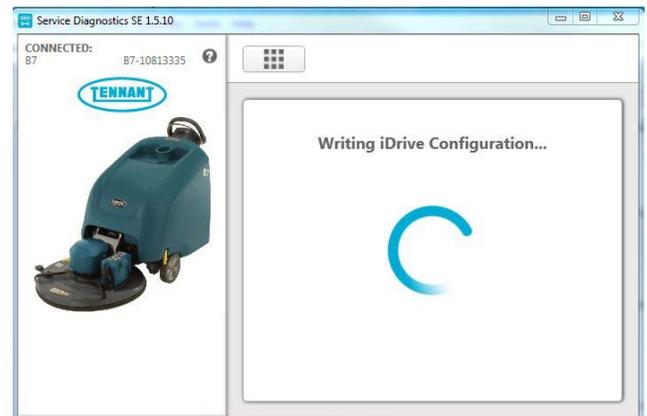


Fig. 18

- Disconnect the USB cable.
- Test machine to ensure the drive module is functioning properly. If a fault code appears check the wire harness connections at drive module and recycle key.

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

TENNANT SERVICE APPLICATION SOFTWARE:

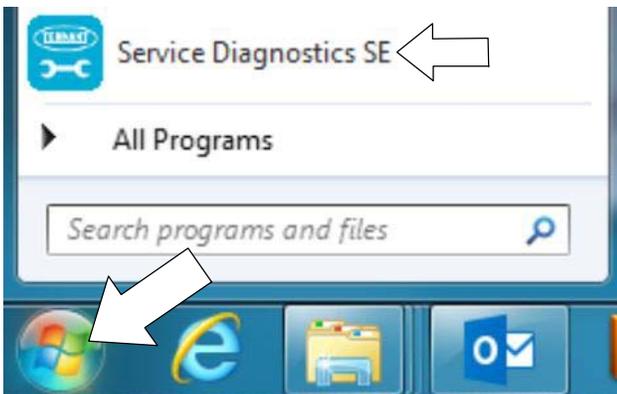
The service application software can be accessed or downloaded as described below.

For Tennant service personnel equipped with ServiceLink computers, the software is pre-installed on your computer as shown below. The software application is titled “**Service Diagnostics**” (Figure 19).

Icon on Desktop



From Start menu



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

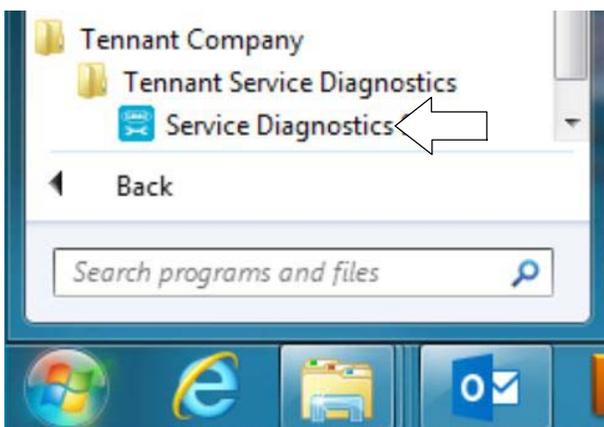


Fig. 19

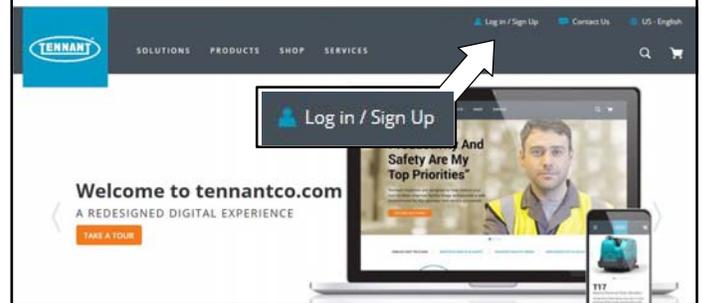
For other Service Groups, the Service Application Software can be downloaded from the Tennant Public website as described below.

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 geographic location, the website may have a “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 20).

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

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



OR

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



Fig. 20

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

1. Log in or Sign Up to create an account (Figure 21).

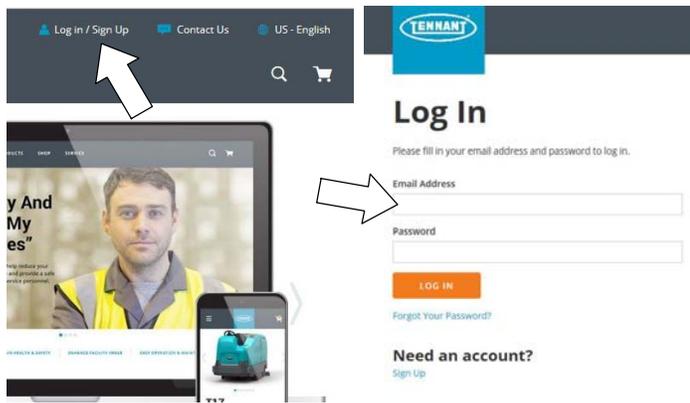


Fig. 21

2. Once logged in to the “My Account” website, click on the “INTERNAL RESOURCES” link as shown below (Figure 22).

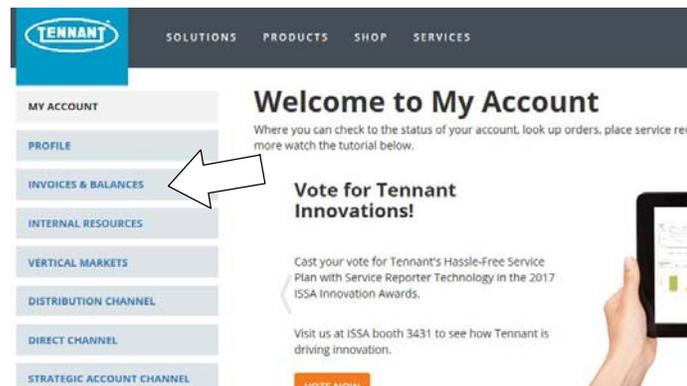


Fig. 22

3. Click on the “SERVICE APPLICATION SOFTWARE” link as shown below (Figure 23).

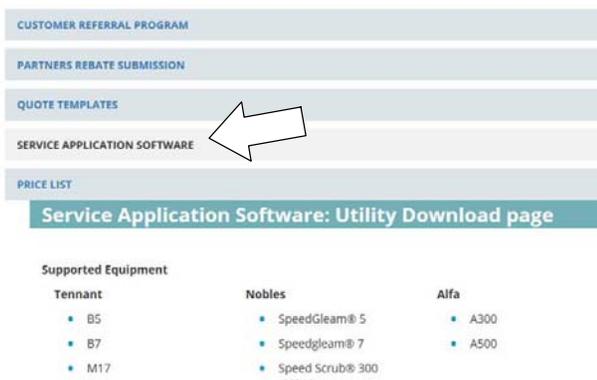


Fig. 23

4. Within the Service Application Software page, click on the link titled “Service Diagnostics LE version 1.5.12” or later (Figure 24).

Documents



Fig. 24

5. To download the service software continue to click as instructed then click the Save button (Figure 25).



Fig. 25

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 30). Follow instructions on screen to install.



Fig. 26

7. After the service application software is installed on your computer, refer to figure 19 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 27).

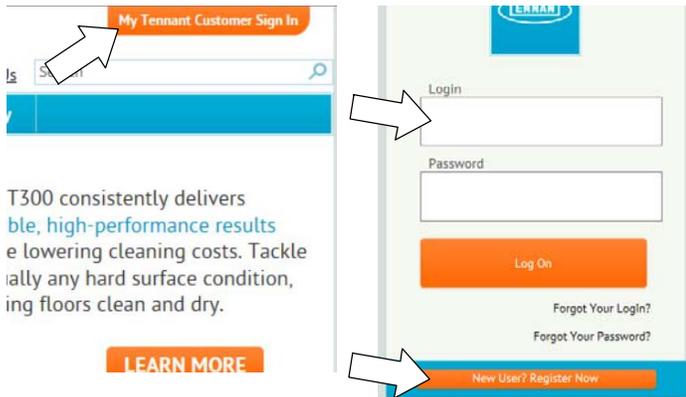


Fig. 27

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 28).



Fig. 28

3. Within the Service Application Software page, click on the link titled “Service Diagnostics LE version 1.5.12” or later to download the application installer then click the Save button (Figure 29).

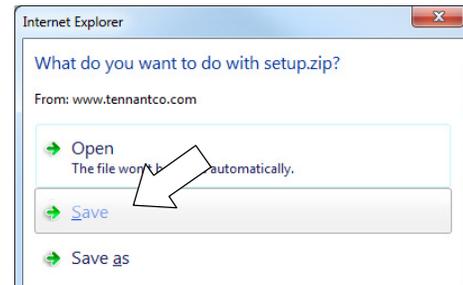
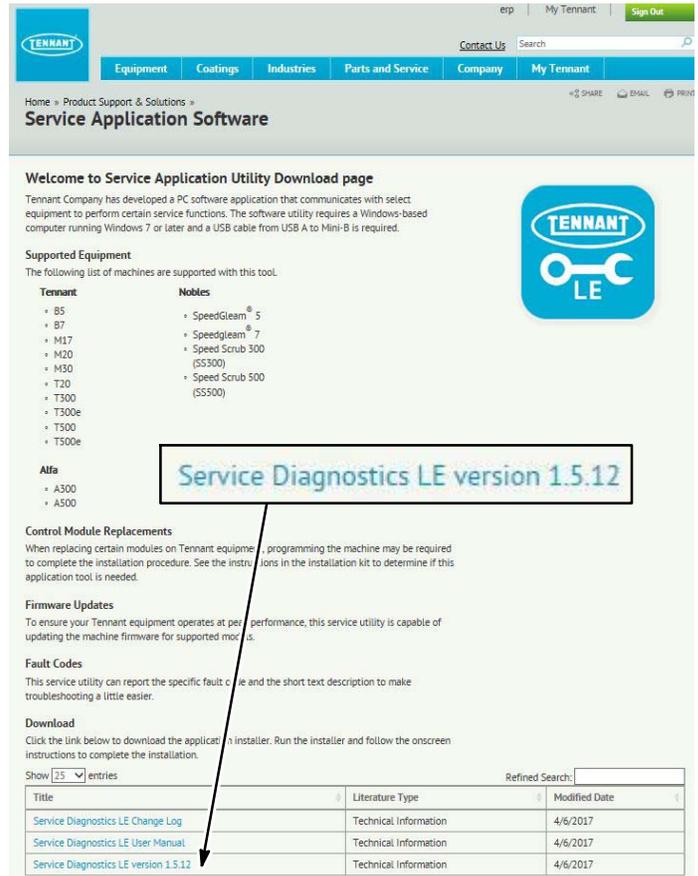


Fig. 29

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 30). Follow instructions on screen to install.



Fig. 30

5. After the application software is installed on your computer, refer to figure 19 to access the program.