

Automatic Battery Watering Module Kit

Models: T350, T500e, T500, T600e, T600, Speed Scrub 350, Speed Scrub 500



This kit includes the necessary part to replace a defective automatic battery watering (ABW) module. Kit installation is required by Tennant *True* service or an authorized Tennant/Nobles service provider.

INSTALLATION INSTRUCTIONS:

Installation Time: 1 Hour

Special Tools Required: None

ATTENTION: After installing the new ABW module, ensure machine is equipped with latest **FIRMWARE** version.

Kit Contents



1. Park the machine on a level surface and remove key.
2. Disconnect battery cables from battery pack

FOR SAFETY: Before servicing machine, stop on level surface, turn off machine, remove key and disconnect battery cables.

3. Install the new ABW module.
4. Reconnect battery cables to battery pack.
5. Check machine to ensure latest firmware is installed as instructed below.

FIRMWARE VERSION UPDATE INSTRUCTIONS:

The Tennant Service Application Software is required to update the machine's FIRMWARE VERSION. See **SERVICE APPLICATION SOFTWARE** on page 2 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.

1. Start the Service Software Application program "Service Diagnostics..." (Figure 1). See Figure 7 for further information.



Icon on Desktop

Fig. 1

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

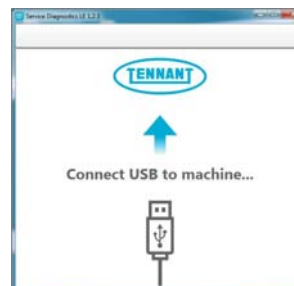
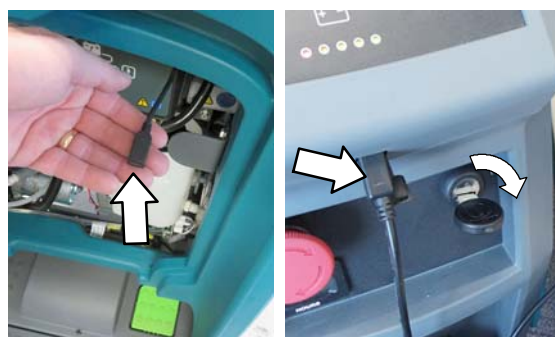


Fig. 2

3. Connect USB cable (p/n 1071235, not included) into the computer and into the USB port on machine. Turn the key switch to the on position (Figure 3).



Stand-On Scrubber

Walk-behind Scrubbers

Fig. 3

4. 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, recycle key or close and restart the application software. If it still fails to connect, restart the computer.



Fig. 4

5. If firmware updates are required, the “Firmware” button on the home screen will be highlighted in yellow as shown (Figure 5). Press the Firmware button to update the machine’s firmware.

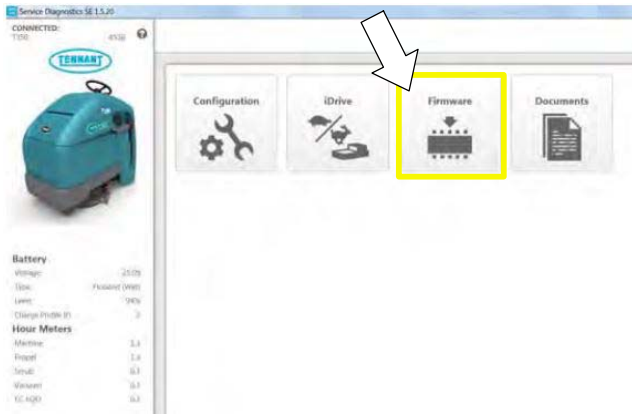


Fig. 5

Continue with the firmware update by pressing the yellow “Update” button as shown (Figure 6).



Fig. 6

6. Cycle the key to apply the new firmware updates. Disconnect the USB cable.

SERVICE APPLICATION SOFTWARE:

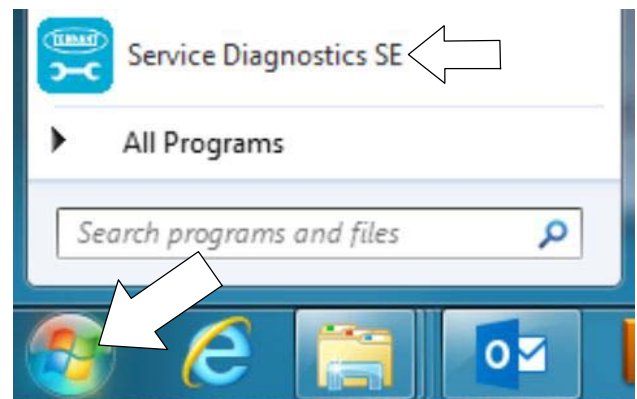
The service application software can be accessed or downloaded as described below.

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 7).

Icon on
Desktop



From Start menu



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

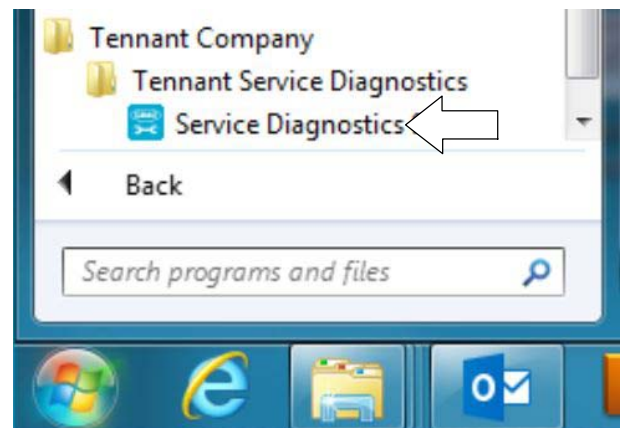


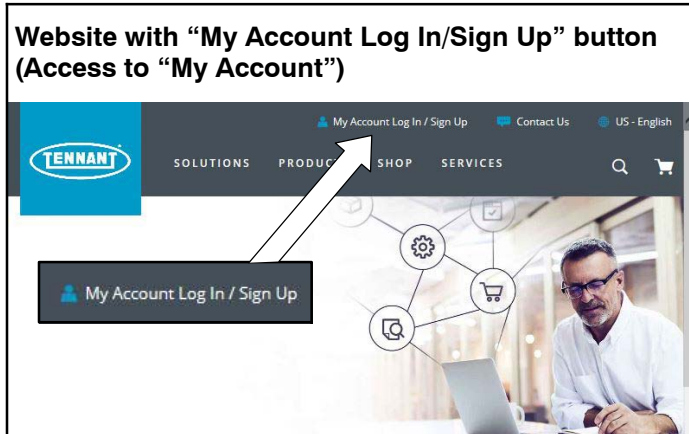
Fig. 7

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 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 8).

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



OR



Fig. 8

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

1. Press “My Account Log In/Sign Up” to open or create an account (Figure 9).

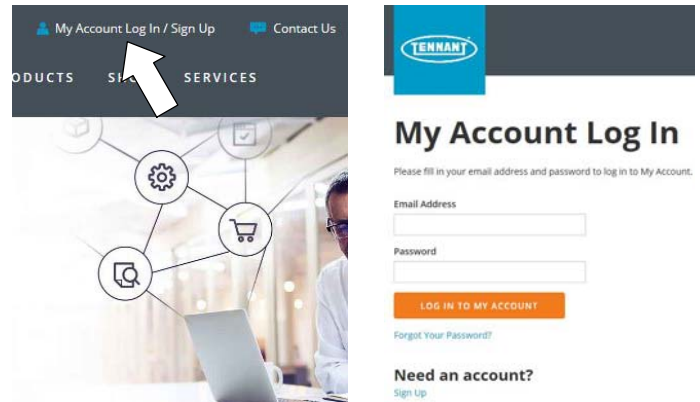


Fig. 9

2. Once logged in to the “My Account” website, click on the **“INTERNAL RESOURCES”** link as shown below (Figure 10).

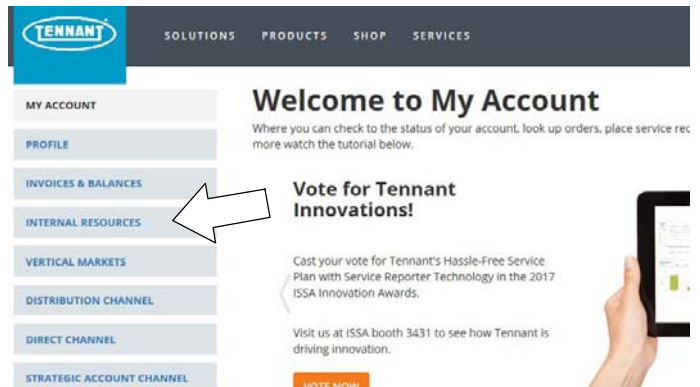
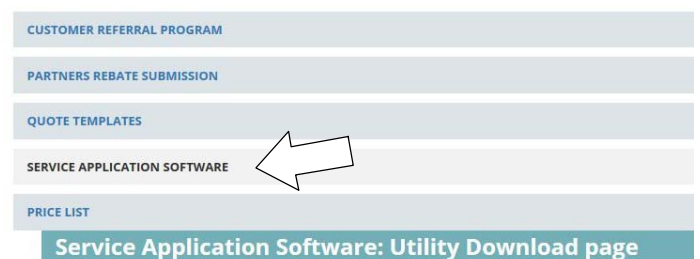


Fig. 10

3. Click on the **“SERVICE APPLICATION SOFTWARE”** link as shown below (Figure 11).



Supported Equipment

Tennant	Nobles	Alfa
- B5 - B7 - M17	- SpeedGleam® 5 - Speedgleam® 7 - Speed Scrub® 300	- A300 - A500

Fig. 11

4. Within the Service Application Software page, click on the link titled **“Service Diagnostics LE version 1.5.22” or later** (Figure 12).

Documents



Fig. 12

5. To download the service software continue to click as instructed then click the Save button (Figure 13).

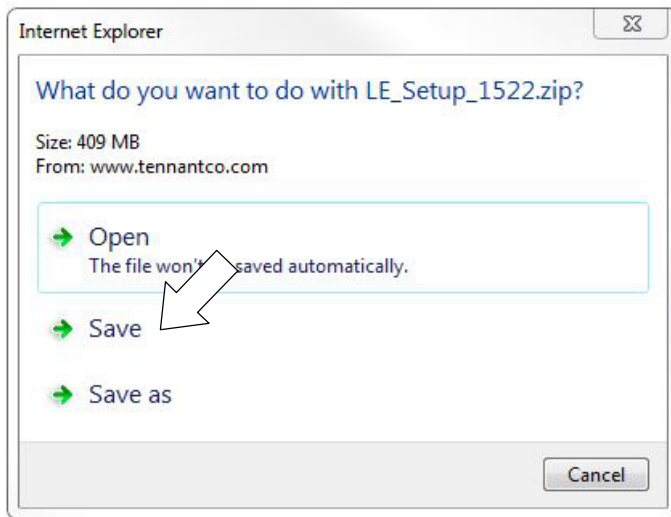


Fig. 13

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 18). Follow instructions on screen to install.



Fig. 14

7. After the service application software is installed on your computer, refer to figure 7 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 15).

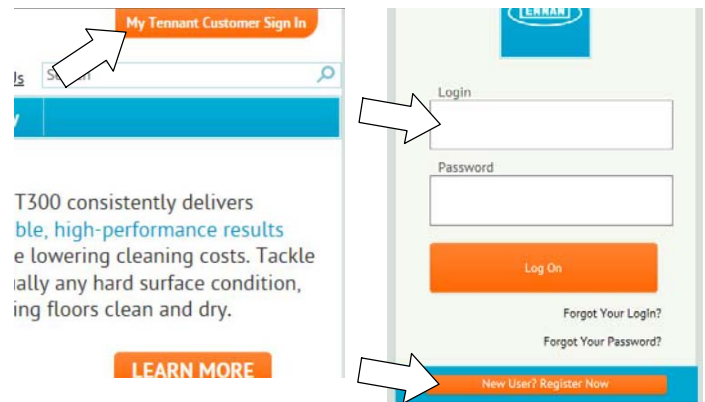


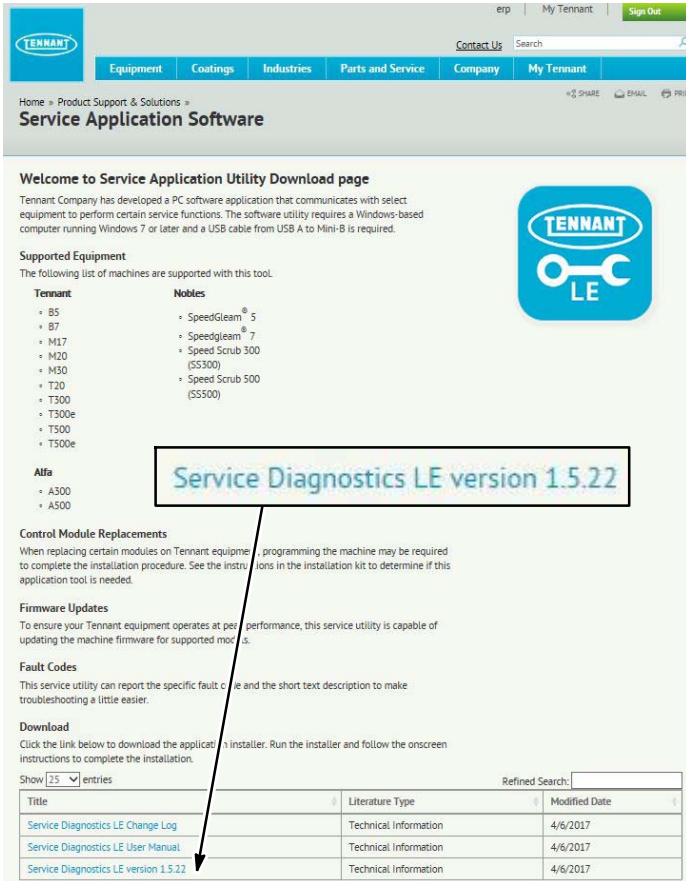
Fig. 15

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 16).



Fig. 16

3. Within the Service Application Software page, click on the link titled **“Service Diagnostics LE version 1.5.22” or later** to download the application installer then click the Save button (Figure 17).



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 18). Follow instructions on screen to install.

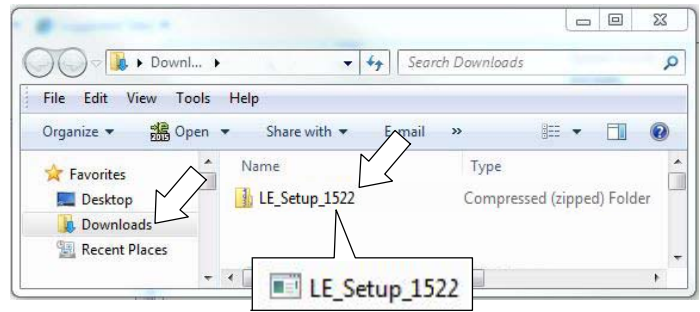


Fig. 18

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

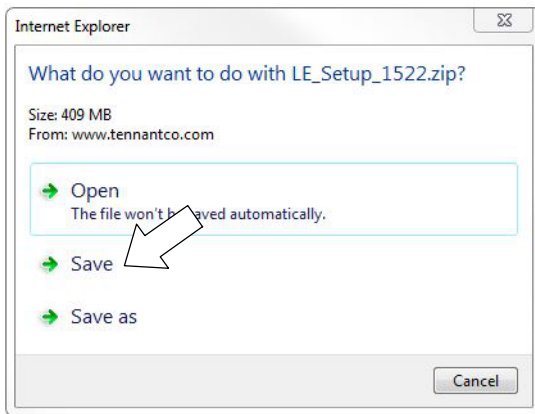


Fig. 17