Automatic Battery Watering Module Kit

NOBLES | TENNANT

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).
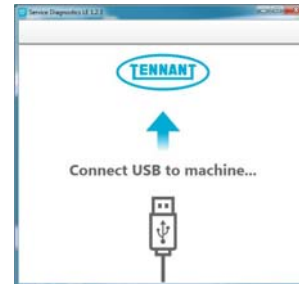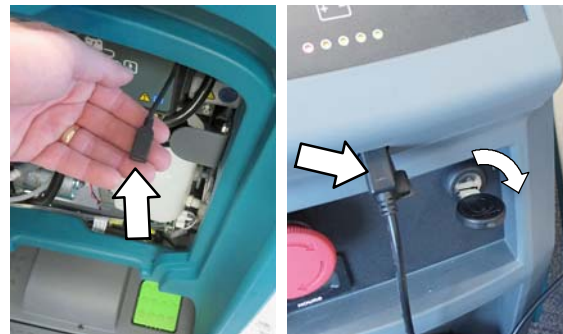

Fig. 2

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.
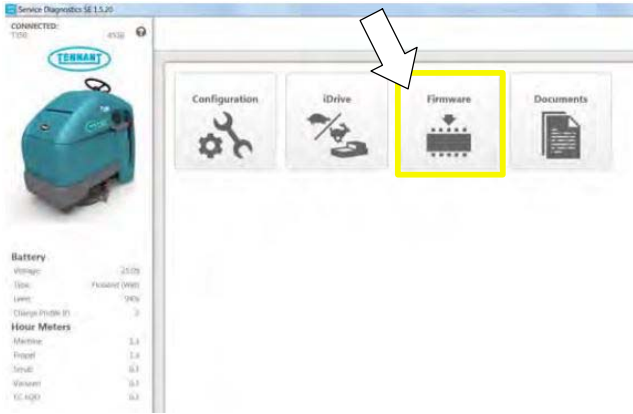

Fig. 5

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.
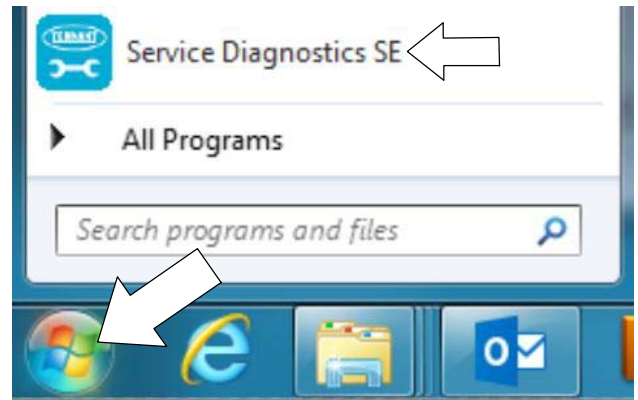
SERVICE APPLICATION SOFTWARE:

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

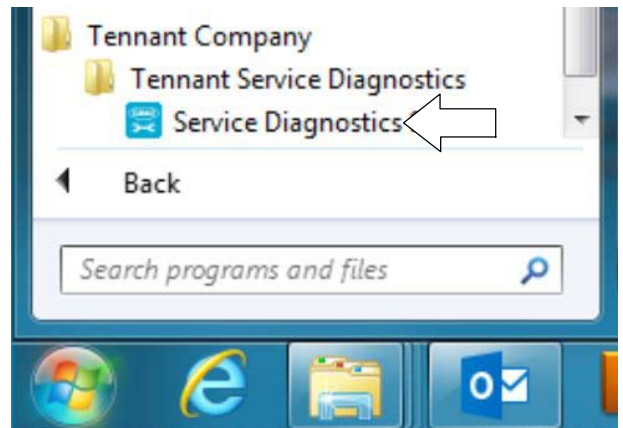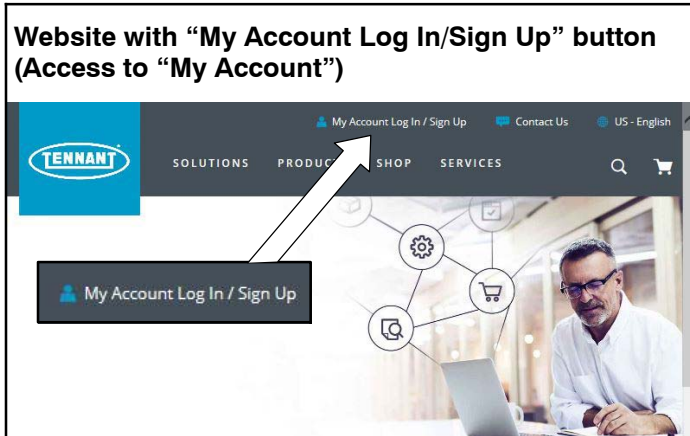**From Start menu > All Programs > Tennant Company > Tennant Service Diagnostics**

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.
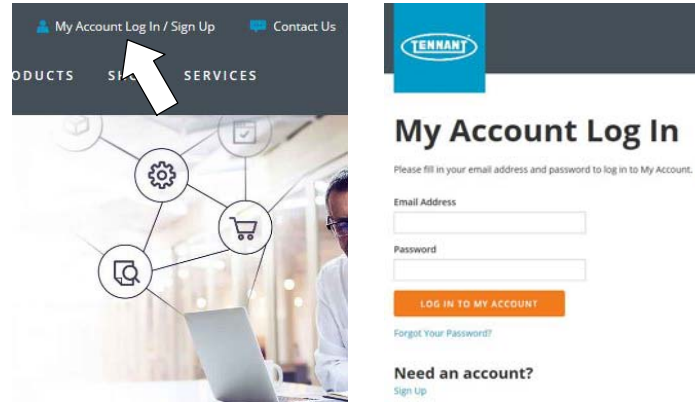
Website with "My Account Log In/Sign Up" button (Access to "My Account")

OR

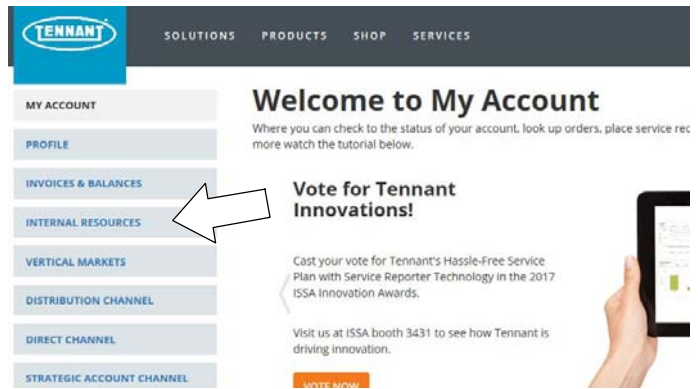**Website with "My Tennant Customer Sign In" tab (Access to My Tennant)**

Fig. 8

Website with "My Account Log In/Sign Up" button:

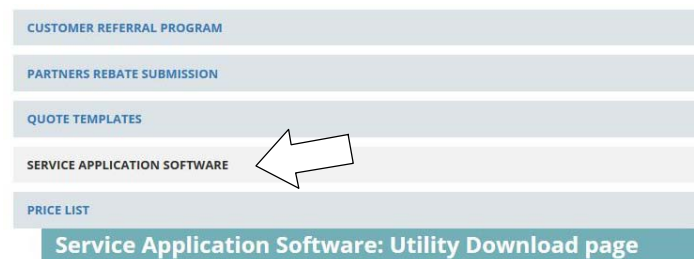1. Press "My Account Log In/Sign Up" to open or create an account (Figure 9).

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).

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

📄 Service Diagnostics LE Version 1.5.22 409.7 MB

📄 Service Diagnostics LE Change Log 219.3 KB

📄 Service Diagnostic User Manual 1.6 MB

Fig. 12

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

Internet Explorer

What do you want to do with LE_Setup_1522.zip?

Size: 409 MB
From: www.tennantco.com

→ Open
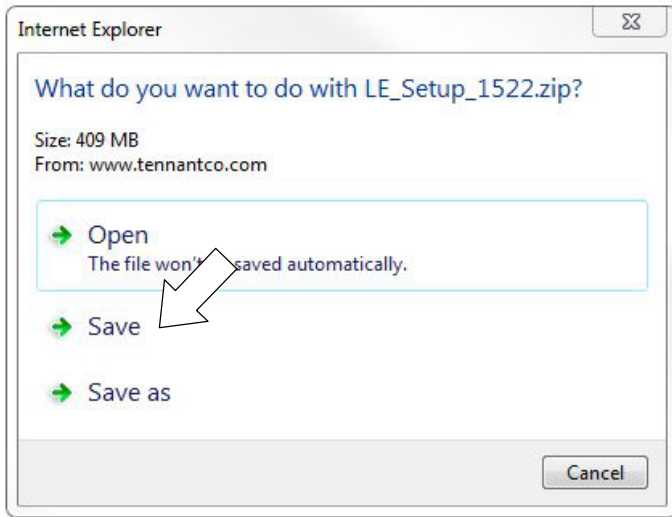   The file won't saved automatically.

→ Save

→ Save as

Cancel

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:

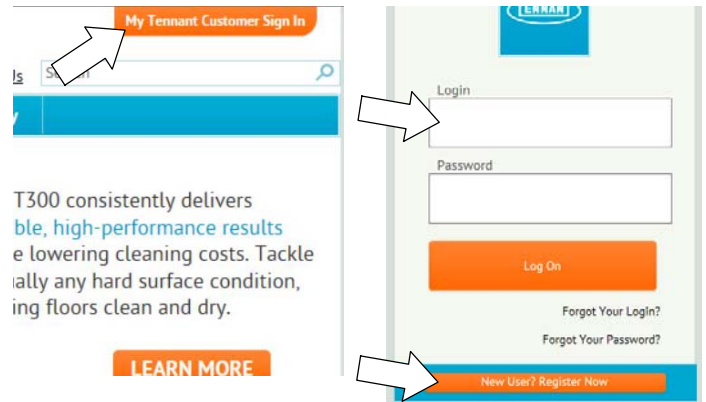1. Log in to the "My Tennant" website or register as a new user (Figure 15).

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).
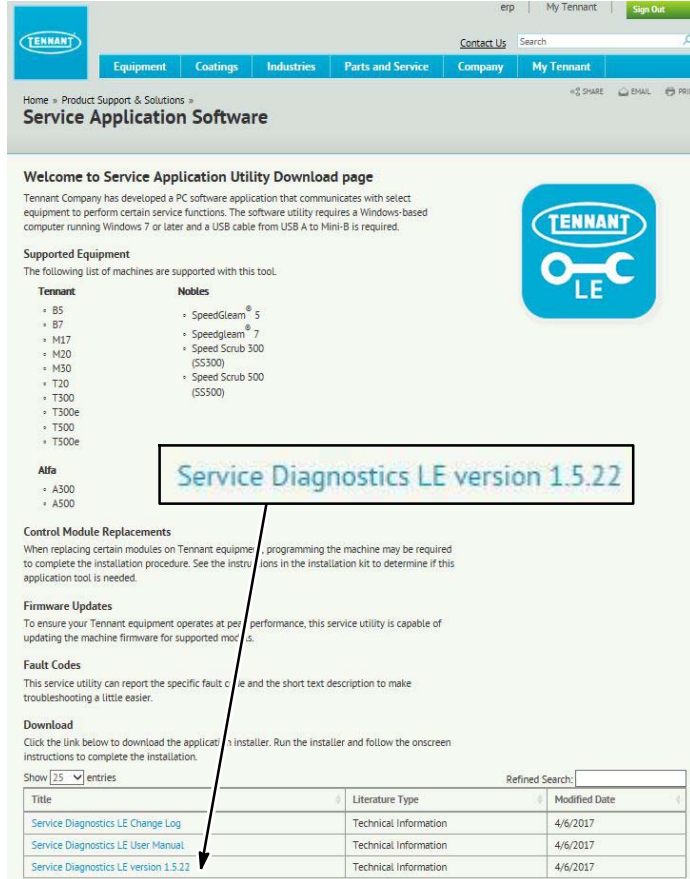

4. Open the "Downloads" folder and locate the "LE_Setup_xxxx" zip file. Open the zip file and double click on the "LE_Setup_xxx" file to install the application software on your computer (Figure 18). Follow instructions on screen to install.
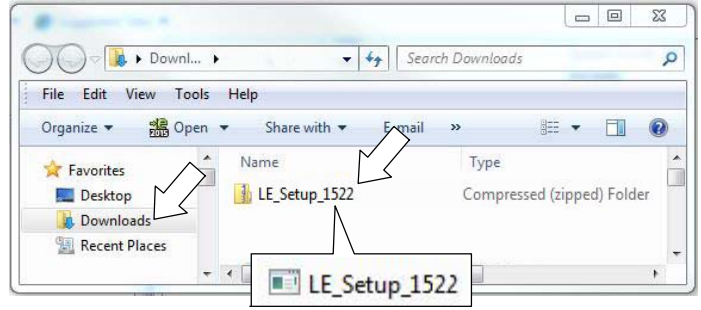

Fig. 18

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

Fig. 17