



ec-H2O NanoClean Module Controller Kit

Models equipped with ec-H2O NanoClean Technology



This kit includes an ec-H2O NanoClean module controller assembly and a new water conditioning cartridge. The existing cartridge must be replaced when installing a new module controller. The timer on the new controller will be set for a new cartridge. If the existing cartridge is not replaced, the cartridge mixture may run out before timer signals the code to replace cartridge, resulting in potential scaling and module failure.

INSTALLATION INSTRUCTIONS:

Installation Time: 1 Hour

Special Tools Required: None

Kit Contents

Part No.	Description	Qty.
-	ec-H2O NanoClean Module Controller Assembly	1
9013646	Cartridge, Water Conditioning, ec-H2O NanoClean	1

FOR SAFETY: Before servicing machine, stop on level surface, turn off machine, and set parking brake if equipped.

INSTALL THE NEW MODULE CONTROLLER ASSEMBLY:

1. Drain the solution and recovery tank.
2. Park the machine on a level surface, turn off machine and set parking brake if equipped.
3. Remove the ec-H2O NanoClean module (black box) from machine.
4. Replace the defective controller assembly and reinstall module. Four screws fasten the controller assembly to front half of module (Figure 1). Discard the defective controller assembly.

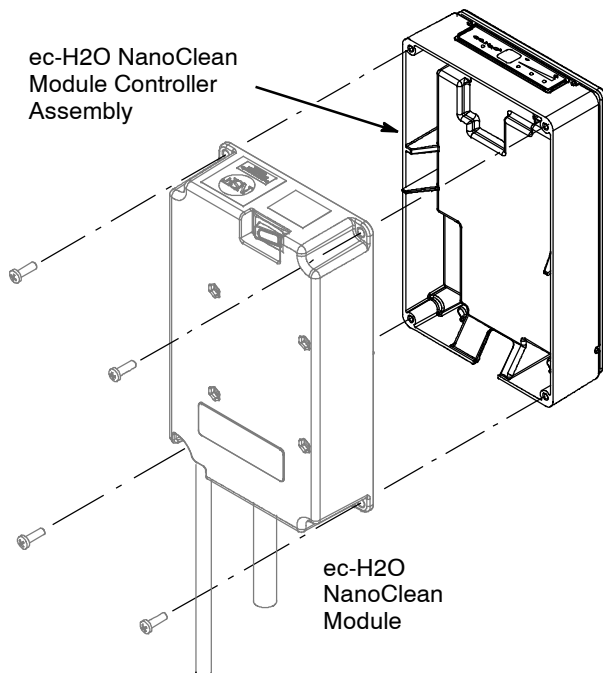


Fig. 1

PROGRAM THE NEW ec-H2O MODULE CONTROLLER:

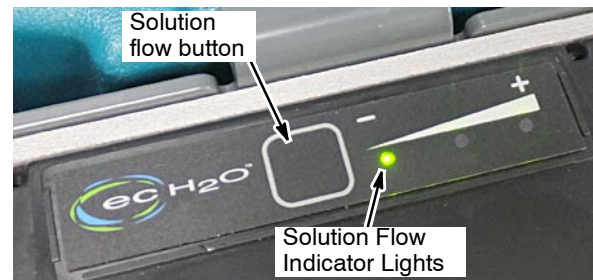
Set Machine Configuration:

NOTE: This procedure is not required for the following CAN-Bus models: T600/e, T500/e, T350, T300/e, Speed Scrub 300/350/500 and A300/500. The machine's control board will automatically set the machine configuration when the new ec-H2O module is activated. Move to the Set Timer procedure.

Refer to table for proper machine configuration.

1. Turn key to the on position.
2. To view the current machine configuration, press and hold the solution flow button. The solution flow lights will momentarily turn off after 2 seconds. Release the button when the **LEFT** solution flow indicator light turns on, in approximately 4 seconds (Figure 2). When the button is released, the solution flow indicators will blink the default setting machine configuration for 10 seconds (see Table). After the 10 second window, the lights will revert back to normal operation. Repeat step to re-enter program.

Attention: If you hold the solution flow button too long, you may enter the firmware mode. To exit from this mode, press the solution flow button and repeat step 2.



Solution Flow Indicator Lights (Machine Configuration)	Machine/Scrub Head Size
★ ★ ●	T5/T5e/SS5/A5 (600/650mm)
● ● ★	T5/T5e/SS5/A5 (700/800mm)
★ ● ★	T7/T7+/Speed Scrub Rider
● ★ ★	T7 AMR
★ ● ●	5680/5700/XP (900mm)
● ★ ●	5680/5700/XP (700mm/800mm)
See NOTE above	T300/T300e/T350/T500/T500e/T600/T600e/A300/A500/SS300/SS350/SS500

Fig. 2

3. To change the machine configuration, repeat step 2. While the indicator lights are blinking (within the 10 second window), press the solution flow button to cycle through the machine configurations as shown in Table (Figure 2). Each press will advance to next setting. After selecting the desired setting, wait 5 seconds for module to save setting and revert back to normal operation.

INSTALL NEW ec-H₂O WATER CONDITIONING CARTRIDGE:

Attention: The timer on the new module controller will be set for a new cartridge. If the existing cartridge is not replaced, the cartridge mixture may run out before timer signals the code to replace cartridge, resulting in potential scaling and module failure.

1. Remove existing water conditioning cartridge from machine. The cartridge is located near module. To disconnect the two hose connectors from cartridge, press the gray collars inward and pull the connectors outward. Dispose of old cartridge (Figure 3).



Fig. 3

NOTE: The cartridge on the T5, T5e, A5 and Speed Scrub 24- 32 (SS5) models is located near scrub head as shown (Figure 4)

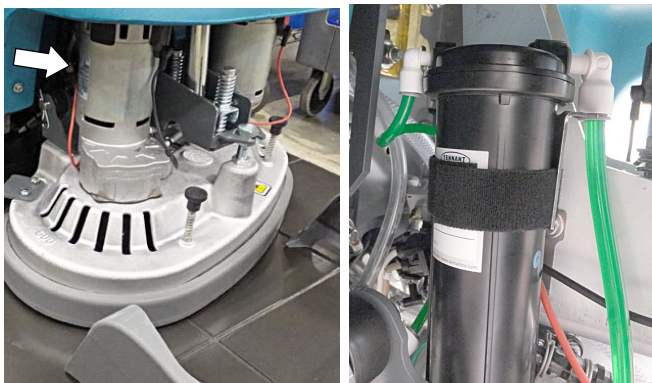


Fig. 4

2. Check the manufacture date on new Water Conditioning Cartridge before installing (Figure 5). The shelf-life of an un-installed cartridge is one year from manufacture date. Discard cartridge if shelf-life has expired. For replacement Cartridge, order p/n 9013646.
3. Fill in the installation date on the Water Conditioning Cartridge label (Figure 5).



Fig. 5

4. Remove the two plugs from cartridge. Press the gray collars inward and pull plugs outward to remove (Figure 6). Install new cartridge and reconnect green hoses to cartridge (Figure 6). Make sure the hose connectors are fully inserted.



Fig. 6

Set Timer for New Water Conditioning Cartridge:

Carefully read and understand the following steps before performing procedure.

1. Turn key to the on position (Figure 7).
2. Press and hold the service switch on the module for 10 seconds. After releasing the service switch, the three solution flow indicator lights will begin to (ripple) move back and forth.

Attention: If you hold the service switch too long, the 1st and 3rd lights will alternate on and off. If this happens, press and release the service switch and repeat step 2.

3. Within 5 seconds after releasing the service switch, while the three indicator lights are still moving back and forth (ripple), quickly press and release the solution flow button located on ec-H₂O module.
4. The three indicator lights will then blink three times to confirm timer has been set. Repeat process if the three indicator lights do not blink three times.

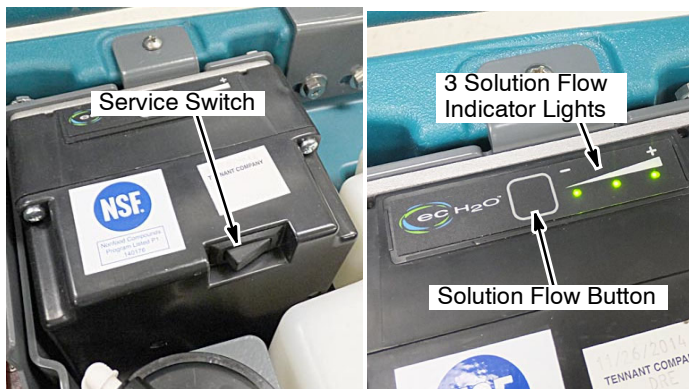


Fig. 7

NOTE: After replacing the water conditioning cartridge, the ec-H₂O system will automatically override the selected solution flow rate for up to 75 minutes.