## No. 290

Release Date: May 8, 2023

## **Technical Service Bulletin**



## MODEL(S) AFFECTED: T600 Pro- Membrane Panel & T600e Membrane Panel models equipped with variable speed control start bail and without Iris telemetry technology NA Models manufactured before serial number 10982737 (DC 04/2020)

- SUBJECT: Machine does not propel in scrub mode after installing replacement bezel kits (T600 Kit p/n 9022174 and T600e Kit p/n 9021887).
- PURPOSE:
   These kits are equipped with the new upgraded RTOS UI board which requires the following installation procedures for older machines equipped with variable speed control start bail to function properly.

   T600e Model
   Remove the rotary sensor bail component and install the retrofit bail switch harness and the on/off bail switch as shown below. These parts are designed as a direct replacement. Program the new board as normal using the Tennant service diagnostic app.

   T600 Model
   Ensure the latest resource files for Tennant Service Diagnostic application are installed on user computer on above below. During the programming processor on to the Advanced machine participant.

your computer as shown below. During the programming process, go to the Advanced machine settings, and enable the Variable Bail setting.

**NOTES:** To update the resource files, go to Software Center, search for "update resource", and click "reinstall", shown below. Engineering is currently in the process of updating the firmware to enable the variable bail setting on the T600e model. If the customer chooses not to convert the T600e machine from variable speed control to an on/off bail start switch, a waiting period will apply until new firmware is available. Models manufactured after s/n 10982736 are all equipped with the on/off bail switch, thus will not experience the above issue.

T600e Models - Install below parts



1072524 - Retrofit Bail Switch Harness 1205323 - On/Off Bail Switch

Remove the rotary sensor bail component.



Install note: Use a small zip- tie to secure the new on/off bail switch in place.

To identify the upgraded RTOS UI bezel kit board



The board now has two white in- line ribbon connectors (p/n 1261320) T600 Models - Program new UI board

Ensure latest resource files are installed from Software Center.

P Software Center					
TENNANT COMPANY					
Applications	All Required				
O Updates	Filter: All		<ul> <li>Sort by:</li> </ul>	Most recent *	
Installation status					[()]
Self-Service Portal					<>
Operating Systems	TENNANT	TENNANT			
	•••	<b>3-C</b>			Update Resource
	Capture 3.0.2.1 Tennant Co 3.0.2.1	Service Diagnostics SE 3 Ternart Company 3.02.0	Air Media Client Crestron	Repair Service Diagnostics SE	Files for Tennant

## Enable the Variable Bail setting in the Advanced settings

Service Diagnostics SE 3.0.2.0			- 🗆 X
CONNECTED: T600e T600E-10886236		Clear Mode	a 2 1 A
COMPANY			
	Variable Bail	V	o Ł î
Gar	Propel Meter (Seconds)	3938	A
	Scrub Meter (Seconds)	1927	A
×0.	Vacuum Meter (Seconds)	0	A
Com	ec-H2O Meter (Seconds)	0	ß
<u> </u>	Machine Meter (Seconds)	2039	£
Standard	ABW Ah Count (Ah)	39.90	£
Advanced	ABW Ah Count Threshold (Ah)	200.00	8
	ABW Complete Cycles	0	<b>A</b>
	ABW Timeout Count	0	6
	ABW Tank Empty Fault Count	0	<b>A</b>
	ABW Tank Empty Warning Count	0	<u>a</u>