








*Release Software Update for STERRAD® NX w/ALLClear
and STERRAD® NX Legacy w/ALLClear Systems*

TB-118769 Revision A

February 18, 2022

Authorization Approvers

Position	Print Name, Signature, and Date
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Environmental, Hazard, and Safety Representative	<p style="text-align: center;">DocuSigned by: <i>Alex Vivas</i></p> <p style="text-align: center;">Alex Vivas</p> <p style="text-align: center;">  Signer Name: Alex Vivas Signing Reason: I approve this document Signing Time: 21-Feb-2022 9:34 AM PST D78ACBF279664B7AB952DA0CC3856514 </p>



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Technical Bulletin Category:

- | | |
|--|--|
| <input type="checkbox"/> Mandatory | <input type="checkbox"/> Informational Only |
| <input checked="" type="checkbox"/> Mandatory, Next Call | <input type="checkbox"/> As Required |
| <input type="checkbox"/> Mandatory, Next Planned Maintenance | <input type="checkbox"/> Scope Database |
| <input type="checkbox"/> Mandatory, Next Corrective Maintenance | <input type="checkbox"/> Field Action: QRB/CAPA# |
| | <input type="checkbox"/> QRB/CAPA# (Non-Field Action) |

- | | | | |
|--------------------------------|---|--|--|
| Activity Generation | <input type="checkbox"/> FSE | <input checked="" type="checkbox"/> System Generated | <input type="checkbox"/> N/A |
| Terminal Sterilization | <input checked="" type="checkbox"/> NX Legacy (10033) | <input type="checkbox"/> 100NX Legacy (10104) | <input type="checkbox"/> 100S (10101) |
| | <input checked="" type="checkbox"/> NX ALLClear (10033) | <input type="checkbox"/> 100NX ALLClear (10104) | |
| High Level Disinfection | <input type="checkbox"/> EvoTech (50004) | <input type="checkbox"/> Endoclens (27000) | <input type="checkbox"/> AEROFLEX™ (28000) |
| Ecosystem | <input type="checkbox"/> ACCESS (53001) | <input type="checkbox"/> Velocity (43220) | |

Part Numbers: 113421-05, 113806-04 **Serial Number Breakpoint:** N/A
113968-50
CO Releasing TB: CO-P-0001931 **This TB Replaces:** N/A
Other CO Reference: N/A

Distribution Group(s):

- | | | | |
|--|---|---|---|
| <input checked="" type="checkbox"/> Asia Pacific | <input checked="" type="checkbox"/> Canada | <input checked="" type="checkbox"/> EMEA | <input checked="" type="checkbox"/> Latin America |
| <input checked="" type="checkbox"/> FSEs | <input type="checkbox"/> EVOTECH Affiliates | <input type="checkbox"/> AEROFLEX™ Affiliates | <input type="checkbox"/> ENDOCLENS Affiliates |
| <input checked="" type="checkbox"/> Biomed | <input checked="" type="checkbox"/> 3 rd Party | <input type="checkbox"/> Other Distribution: | |

Important: U.S. based Field Service Engineers (FSEs) must complete online training prior to performing the actions described in this bulletin.

FSEs and Affiliates that are based outside the U.S. should complete their region's training guidelines for technical bulletins prior to performing the actions described in this bulletin.

Part Disposition Use-As-Is Scrap Rework N/A



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Scope

This technical bulletin releases new software upgrade that applies only to the STERRAD NX® Sterilizer with ALLClear™ Technology and legacy systems upgraded with ALLClear™ Technology. The ALLClear™ system software will be upgraded to version 113421-05 (1134210501) from 113421-04 (1134210408). The legacy system with upgraded ALLClear software will be upgraded to version 113806-04 (1138060401) from 113806-03 (1138060308). Issues addressed with these software changes are as follows:

- Update ALLClear software to include the cassette expiration date in the cycle printout.
- Update software algorithm to refresh the H2O2 constant rate limits after NDF calibration.

If the NX system does not have a new service password setup, refer to technical bulletin TB-118756 to create a new service password after installing the software.

The ALLClear software upgrade kit contains the system configuration labels and upgraded ALLClear software for the legacy system has changed to a new part number (113968-50) for ASP rebranding requirements.

Tools Required

N/A

Instructions

Software Installation

1. Turn off the sterilizer.
2. Eject the PCMCIA adapter by pressing the eject button on the left of the card slot. The card slot is located on the back side of the sterilizer.
3. Remove the memory card from PCMCIA adapter and set it aside.
4. Insert the software upgrade CF card into the PCMCIA adapter for the NX ALLClear™ Technology (113421-05) or the legacy upgrade (113806-04).
Note: Installing the wrong software version will cause the system to lockup.
5. Insert the PCMCIA adapter into the card slot of the sterilizer and power ON the sterilizer.
6. The system boots and the following message appears: "STERRAD® NX BOOTING IN PROGRESS..."
7. The ASP logo is displayed with the following message: "OS/Software Upgrade In Progress. Please Wait..."
8. After the software upgrade is completed, the following message is displayed: "OS/Software Upgrade Successful. Please power OFF The System And Replace The Old CF Card."



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9. Follow the procedure on the screen, power OFF the system, and replace the software upgrade card with the original CF card.
10. Power ON the system.
11. Confirm the software version on the start-up screen is **113421-05** and on the printout **1134210501** for the STERRAD NX® sterilizer with ALLClear™ Technology.
12. Confirm the software version on the start-up screen is **113806-04** and on the printout **1138060401** for the legacy STERRAD NX® sterilizer upgraded with ALLClear™ Technology.
13. Verify customer details, cycle information, PM, and login.
14. Verify proper system functionality by completing a standard empty-chamber cycle.
15. Ensure that you add this TB as an activity to your work order in the OneASP Service system.

Ordering

Part Number/Description:

- **113421-05, STERRAD NX® ALLClear™ Upgrade Software for 10033-004 Sterilizers**
- **113806-04, STERRAD NX® Legacy ALLClear™ Upgrade Software for 10033, 10033-002 Sterilizers**
- **113968-50, ALLClear™ Technology Software Upgrade Kit for STERRAD NX Legacy Sterilizers**

When placing your order for items on a Field Action technical bulletin, please reference the bulletin number on your purchase order. Orders placed without referencing the Field Action technical bulletin number will be charged accordingly.

U.S. Based FSEs

- FSEs use standard ordering procedures.

Outside the U.S. FSEs, Biomed, and Affiliates

- Use standard ordering procedures and must reference the Technical Bulletin Number.
- 1-888-783-7723 Follow prompts for Product Technical Support.