



*Release Software Update for STERRAD®100NX Legacy Systems  
(ETX2 & ETX1) to Mitigate Peroxide Clearance Issue on DUO Cycle*

TB-118765 Revision A

January 13, 2021

**Authorization Approvers**

| Position  | Print Name, Signature, and Date  |
|---|--|
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**Technical Bulletin Category:**

- |  |  |
|--|--|
| <input type="checkbox"/> <b>Mandatory</b>                              | <input type="checkbox"/> <b>Informational Only</b>                           |
| <input checked="" type="checkbox"/> <b>Mandatory, Next Call</b>        | <input type="checkbox"/> <b>As Required</b>                                  |
| <input type="checkbox"/> <b>Mandatory, Next Planned Maintenance</b>    | <input type="checkbox"/> <b>Scope Database</b>                               |
| <input type="checkbox"/> <b>Mandatory, Next Corrective Maintenance</b> | <input checked="" type="checkbox"/> <b>Field Action: QRB/CAPA# QE-000114</b> |
|  | <input type="checkbox"/> <b>QRB/CAPA# (Non-Field Action)</b>                 |

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

|                            |                             |                                  |                  |
|----------------------------|-----------------------------|----------------------------------|------------------|
| <b>Part Numbers:</b>       | <b>110526-05, 110937-05</b> | <b>Serial Number Breakpoint:</b> | <b>N/A</b>       |
| <b>CO Releasing TB:</b>    | <b>CO-P-0001983</b>         | <b>This TB Replaces:</b>         | <b>TB-118732</b> |
| <b>Other CO Reference:</b> | <b>N/A</b>                  |                                  |                  |

**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 <sup>rd</sup> 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 announces new software update for the STERRAD®100NX Legacy systems (non-ALLClear) that use the ETX2 and ETX1 controllers to address the peroxide clearance failure on the DUO cycle in the field. The ETX2 system software will be upgraded to version 110526-05 (1105260501) from 110526-04 (1105260407). The ETX1 system software will be upgraded to version 110937-05 (1109370501) from 110937-04 (1109370407).

## Tools Required

N/A

## Instructions

1. Turn off the Sterilizer.
2. Unlock the front panel of the Sterilizer and open it to the service position.
3. Eject the PCMCIA adapter by pressing the eject button on the top side of the card slot. The card slot is located on the front side of the control enclosure assembly.
4. Remove the memory card from PCMCIA adapter and set it aside.
5. Insert the software upgrade CF card into the PCMCIA adapter for the ETX2 system (110526-05) or the ETX1 system (110937-05).  
*Note: Installing the wrong software version will cause the system to lockup.*
6. Insert the PCMCIA adapter into the card slot of the control enclosure and power ON the Sterilizer.
7. The system boots and the following message appears: "STERRAD® 100NX BOOTING IN PROGRESS..."
8. The ASP logo is displayed with the following message: "OS/Software Upgrade In Progress. Please Wait..."
9. After the software upgrade is complete, the following message is displayed: "OS/Software Upgrade Successful. Please power OFF The System And Replace The Old CF Card."
10. Follow the procedure on the screen, power OFF the system, and replace the software update card with the original CF card.
11. Close and lock the front panel of the Sterilizer.
12. Power ON the system.
13. Upon successful login, confirm the software part number on the start-up screen is 110526-05 and the software version number on the printout 1105260501 for the STERRAD® 100NX ETX2 Sterilizer.
14. Upon successful login, confirm the software version on the start-up screen is 110937-05 and the software version number on the printout 1109370501 for the STERRAD® 100NX ETX1 Sterilizer.
15. Navigate to the Service Configure screen and enter the actual total cycle number for the system in the Total Cycle Count field only if incorrect cycle count.  
*Note: For systems that had the cycle count reset after it passed 9999 cycles, be sure to update the Total Cycle Count value to 9999 + Cycle Count.*
16. Verify customer details, cycle information, PM, and login.



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17. Perform steps 18 to 20 for STERRAD systems that installed with the DUO cycle. Otherwise, continue step 21 to complete TB procedure.
18. Navigate to the Service Function screen, click the Cassette, then Metering and follow with Reset the DUO Cycle button.
19. Navigate to the Utilities screen, click the Cassette Function and then Peroxide Clearance. Allow the peroxide clearance cycle to complete successfully.
20. Run an empty chamber DUO cycle to confirm the cycle passed successfully.
21. Verify proper system functionality and data transfer to the Ecosystem if installed by completing a standard empty-chamber cycle.
22. Ensure that you add this TB as an activity to your work order in the OneASP Service system.

## **Ordering**

### **Part Number/Description:**

- **110526-05, STERRAD®100NX® ETX2 Software**
- **110937-05, STERRAD®100NX® ETX2 Software**

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.