



Release additional Maintenance Procedures to minimize H₂O₂ Adjustment Failure for STERRAD® 100NX Systems.

TB-118784 Revision A

May 24, 2022

Authorization Approvers

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Release additional Maintenance Procedures to minimize H2O2 Adjustment
Failure for STERRAD®100NX Systems

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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 checked="" type="checkbox"/> QRB/CAPA# (Non-Field Action) 010032 |

Activity Generation	<input type="checkbox"/> FSE	<input type="checkbox"/> System Generated	<input checked="" type="checkbox"/> N/A
Terminal Sterilization	<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 checked="" 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:	N/A	Serial Number Breakpoint:	N/A
CO Releasing TB:	CO-P-0002252	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: N/A | |

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 additional maintenance procedures for STERRAD®100NX Legacy and ALLClear Systems to perform during PM intervals and CM calls to minimize the H₂O₂ Adjustment failure in the field per CAPA-010032 recommendations.

- Clean and remove debris on the UV Lamp lens and O-ring
- Clean and remove contaminant buildup on the inner walls of the adapter tube for the H₂O₂ Monitor Lamp assembly
- Verify the orientation of the H₂O₂ Monitor Lamp assembly parallels with the chamber door to maximize the H₂O₂ Monitor voltage.

Tools Required

N/A

Instructions

Caution: Ensure to wear safety glasses and Nitrile gloves before performing the procedures below. Be careful handling the H₂O₂ Monitor assembly to prevent mercury exposure from a broken UV lamp.

Cleaning the UV Lamp lens, O-ring and Adapter Tube

1. Power off the system.
2. Remove the H₂O₂ Monitor Lamp assembly from the Chamber Ultra Torr fitting.
3. Unscrew the adapter tube and remove the O-ring and UV Lamp lens.
4. Clean the lens and O-ring with isopropyl alcohol and lint-free cloth. If debris is hard to remove from the lens surface, use deionized water and a non-abrasive scrub pad to remove the debris or replace the lens as needed.
5. Remove the orange contaminant buildup on the inner walls of the adapter tube using deionized water and a non-abrasive scrub pad.

Verify the H₂O₂ Monitor Lamp assembly orientation

1. Close the chamber door.
2. Perform an H₂O₂ 100mV reset.
3. Power off the system.
4. Rotate the UV lamp housing so that the UV lamp is parallel to the door as shown in figure 1.

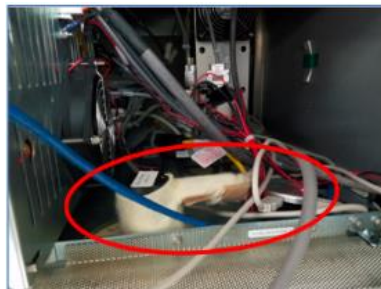


Figure 1. UV Lamp Housing Adjusted Position



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5. Power on the system.
6. Wait until the system is warmed up and H₂O₂ Calibration is complete.
7. Verify the H₂O₂ Monitor voltage improves after adjustment.