EXO NitraLED Wiper Brush Installation Guide

Before You Start

These instructions are relevant for NitraLED installation on EXO2 and EXO3 Sondes.

What Do You Need?

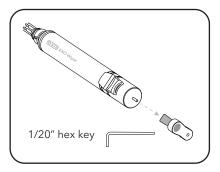
- 1. EXO2 or EXO3 Sonde
- 2. EXO NitraLED Sensor
- **3.** EXO C/T Sensor (Wiped recommended)
- 4. EXO Turbidity Sensor

- 5. EXO Central Wiper
- 6. EXO2/EXO3 Alignment Ring
- 7. EXO NitraLED Wiper Brush
- 8. Kor Software*

*Make sure Kor Software is up-to-date and firmware has been updated for the sonde, wiper, and turbidity sensor.

1

Remove old wiper brush by loosening the set screw with a 1/20" hex key. Clean any residue from wiper shaft.



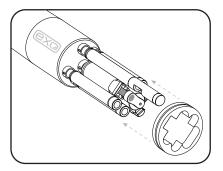
2

Install the Central Wiper, all sensors, and the Alignment Ring.

- NitraLED must be installed:
 - **EXO2**: Port 6
 - **EXO3**: Port 4
- **C/T** must be installed:
 - EXO2: Port 3 or Port 4
 - EXO3: Port 2 or Port 3



IMPORTANT: For **EXO2** configurations with NitraLED, **Port 5** should be reserved for one of the following sensors: pH, pH/ORP, ODO, or any of the Ion Selective Electrodes (ISEs). These sensors are not impaired by the Wiper Arm of the NitraLED Brush parked above Port 5.



EXO NitraLED Wiper Brush Installation

NOTE: The old wiper brush must first be removed using a 1/20" hex key.

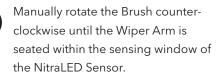
1

The wiper shaft has a "D" shape and is sometimes referred to as the D shaft. The wiper brush fits on the D shaft only one way.

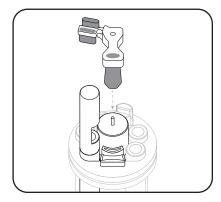
Slide the Brush onto the D shaft until fully seated.



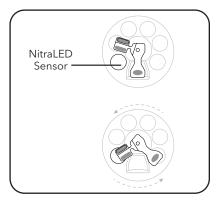
DO NOT tighten the screw yet.



NOTE: Be careful not to use too much force while rotating the brush by hand.



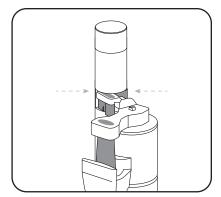
Slide Brush down until fully seated on top of the Central Wiper



(Top view) Center Wiper Arm within NitraLED Sensor window



Make sure the Wiper Arm is fully contained within the NitraLED sensing window.

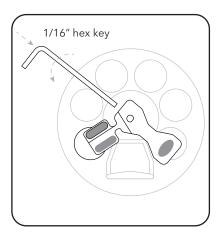


Other elements hidden to focus on the Brush and sensing window

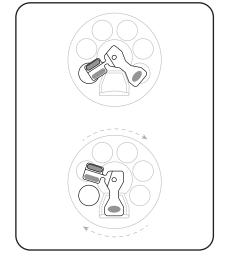
In this position, tighten the set screw on the Wiper Brush using the 1/16" hex key.

There may be some resistance as the screw is designed not to back out easily.

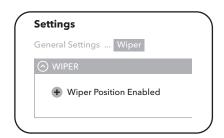
After tightening, gently rock the brush to ensure a snug fit against the D shaft and tighten more if necessary.



Tighten screw on back of Brush while centered in Nitrate window.



Rotate back so the main brush is over the guard.



After the screw is tightened, manually rotate the Brush back to its home position.

NOTE: Be careful not to use too much force while rotating the brush by hand.

The main brush should be centered within the brush guard, while the Wiper Arm should be over port 5 of the EXO2 or the blank of the EXO3.

IMPORTANT: After installing the NitraLED Wiper Brush, users must switch the **Wipe Mode** to **NitraLED** using Kor Software.

Update Wiper Settings

1

In Kor Software, make sure the Wiper Position is on.

Go to File > Settings and select Wiper to enable Wiper Position.

2	Also, make sure NitraLED is enabled. Go to File > Settings and select NitraLED to enable mg/L .	Settings General Settings NitraLED MG/L Mg/L On
3	Go to the Calibration menu and select Wiper ; then select Calibrate .	CALIBRATION Select Parameter(s) to Calibrate Wiper Serial Number: XXXXXXX Sensor Port: 7 PARAMETER TYPE LAST CALIBRATION DATE Wiper Position (volt) 5/15/2020 9:41 AM CALIBRATE FACTORY RESET CALIBRATION
4	Enable the NitraLED Wiper mode and then click Apply .	Wiper JOG LEFT JOG RIGHT







APPLY

Wiper Mode NitraLED



Contact Information



6

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