

Troubleshooting for UV unit

V. Cause and Action for alarm/trip relating to UV chamber(unit)

A. UV DOSE LOW / LOW-LOW

Alarm indicates that the UV dosage is lower than 250mJ/cm² for longer than 50 seconds.
Trip indicates that the UV dosage is lower than 230mJ/cm² for longer than 60 seconds.

Cause	Description	Action
1	Intensity Transmitter Failure	1
2	Intensity Transmitter Fouling	2
3	Lamp Sleeve Fouling	4
4	Worn Wiper(s)	2

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Cause1: Intensity Transmitter Failure

Action 1



Check if the Intensity Transmitter output is normal working range of approximately 4 mA. If abnormal, replace with new one.

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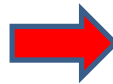
A. UV DOSE LOW / LOW-LOW

Cause2: Intensity Transmitter Fouling

Action 1



**Drain out remaining water and
Unscrew the nut fixing the Transmitter**



Action 2



**Take the Transmitter and clean dirty
parts with ethanol or alcohol**

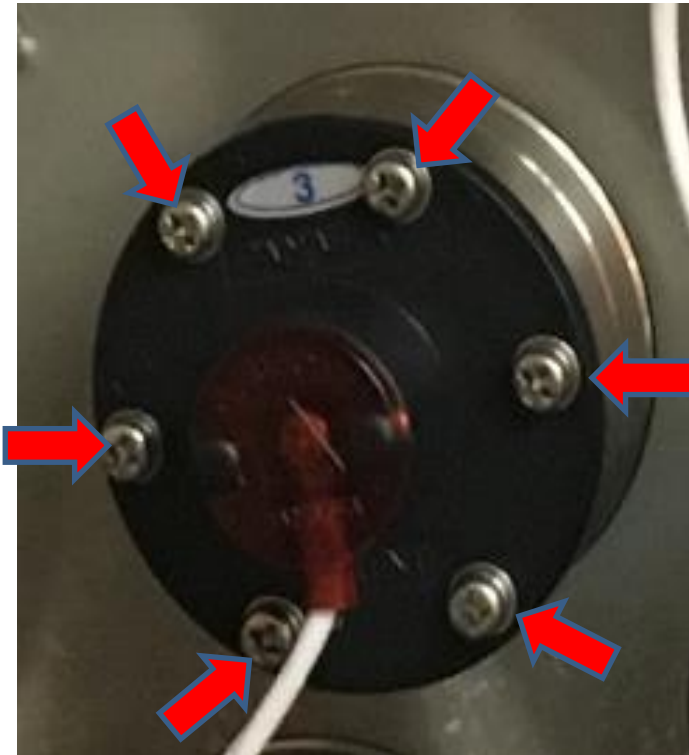
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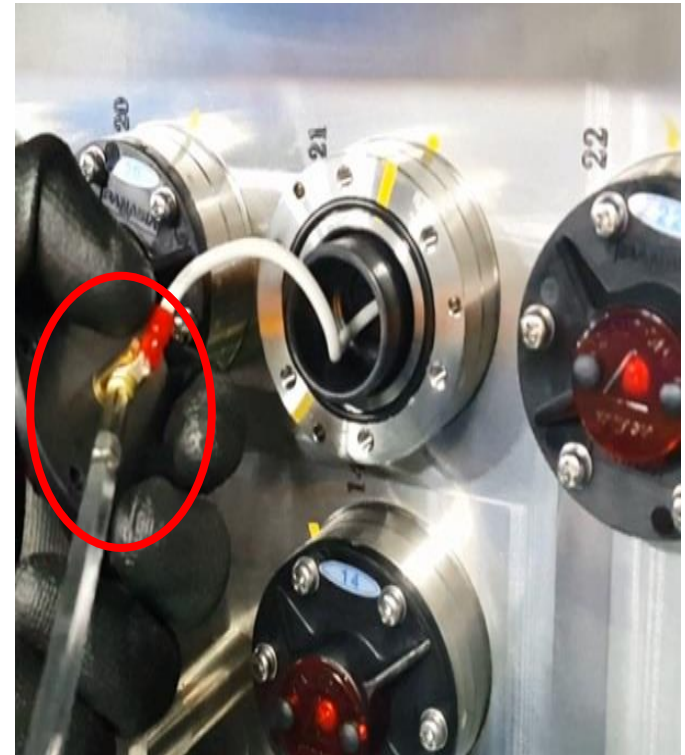
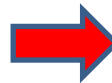
A. UV DOSE LOW / LOW-LOW

Cause3: Lamp Sleeve Fouling

Action 1



Loosen the screws from Isolating Bracket



Loosen the screws connected with the UV lamp wires

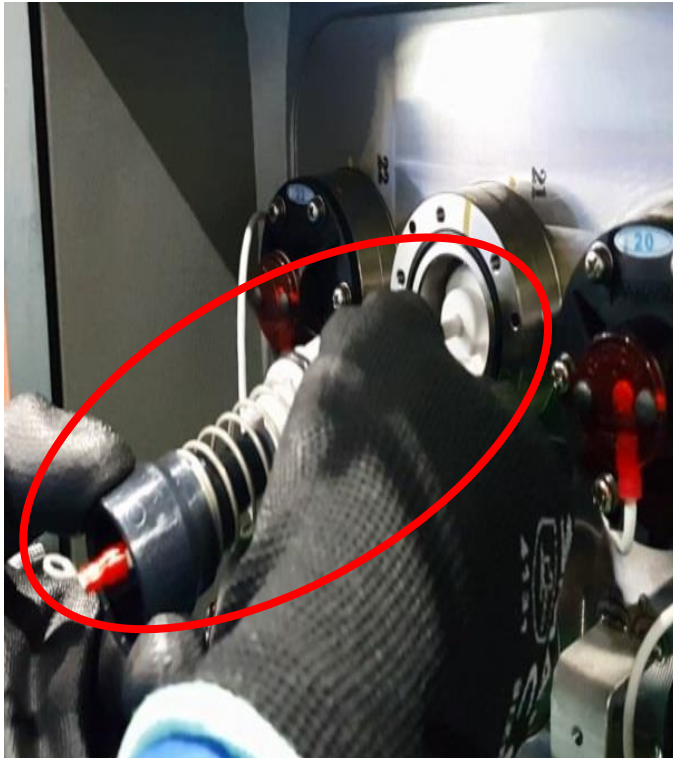
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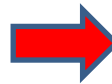
A. UV DOSE LOW / LOW-LOW

Cause3: Lamp Sleeve Fouling

Action 2



Dismantle Anti-Vibration Module and take UV lamps out



Detach Screw Plug with Special Tool

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A. UV DOSE LOW / LOW-LOW

Cause3: Lamp Sleeve Fouling

Action 3



**Remove Lamp Sleeve from UV Chamber
and clean with alcohol**

Action 4



If necessary, replace Lamp Sleeve(s)

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Cause4: Worn Wiper(s)

Action 1



1. Unscrew the bolt on Wiper Housing
2. Dismantle Wiper(s)
3. If necessary, replace the wiper(s)

Action 2

