

Troubleshooting for UV unit

IV. Cause and Action for alarm/trip relating to UV Power Supply Panel

D. UV EARTH LEAKAGE CIRCUIT BREAKER TRIP

Trip indicates that a problem(s) occurs between electric ballast and ELCB, between electric ballast and UV lamp(s), or relevant connection line(s).

Cause	Description	Action
1	UV Power Cable Insulation	3
2	Water leakage from broken Lamp Sleeve in the UV Chamber	8

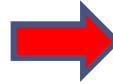
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Cause 1: UV Power Cable Insulation

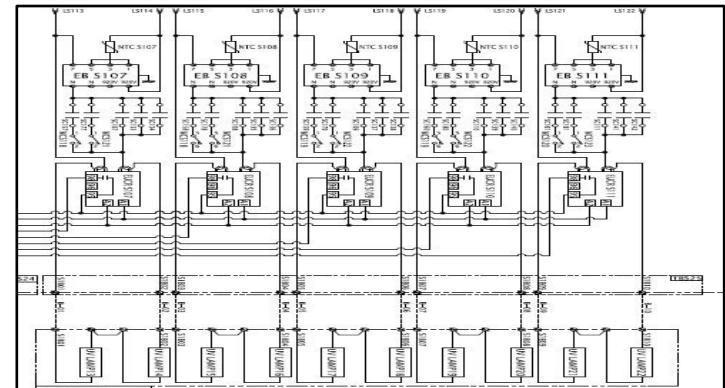
Action 1



Action 2



Action 3



1. Turn off Main CB(440V)

2. Check insulation resistance for UV Cable
(NORMAL Range $\geq 300\text{M}\Omega$)

3. Check electric wiring DWG

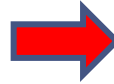
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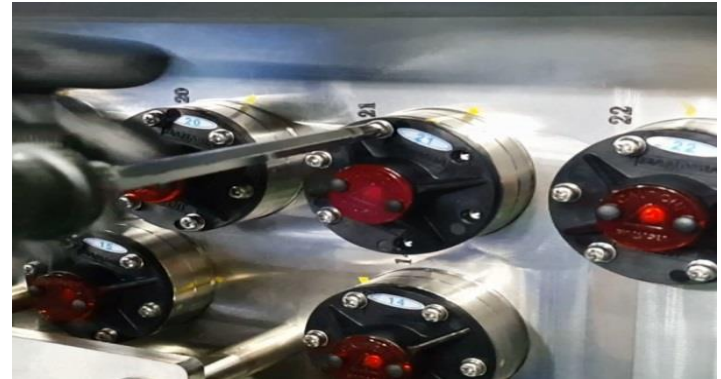
D. UV EARTH LEAKAGE CIRCUIT BREAKER TRIP

Cause 2: Water leakage from broken Lamp Sleeve in the UV Chamber

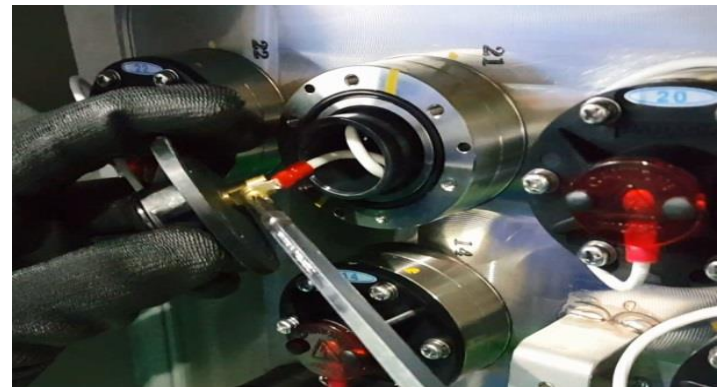
Action 1



Action 2



Action 3



1. Open UV Unit Side Cover and Dry out any moisture in side UV Unit
2. Unscrew bolts from Isolating Plate
3. Unscrew bolts connected with the UV lamp wires

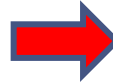
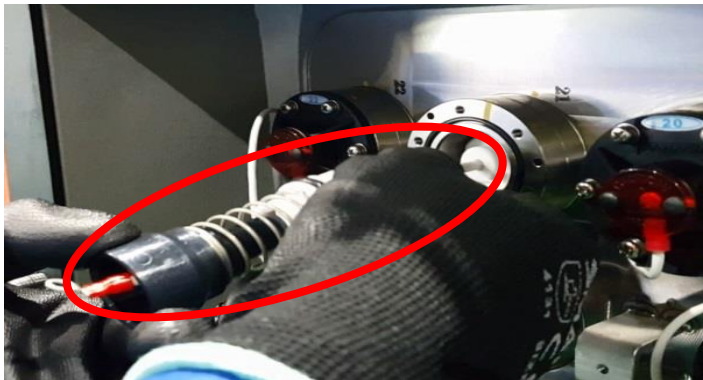
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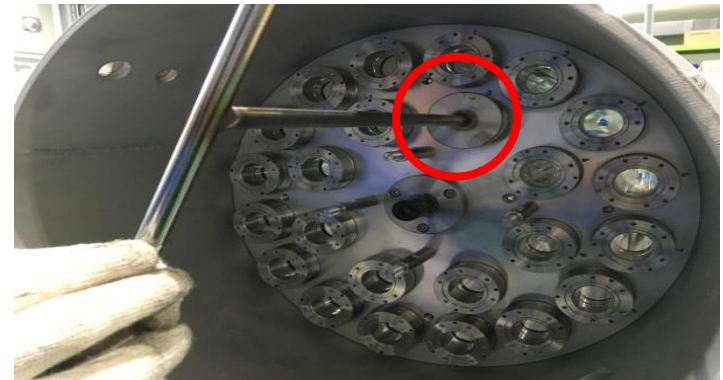
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Action 4



Action 5

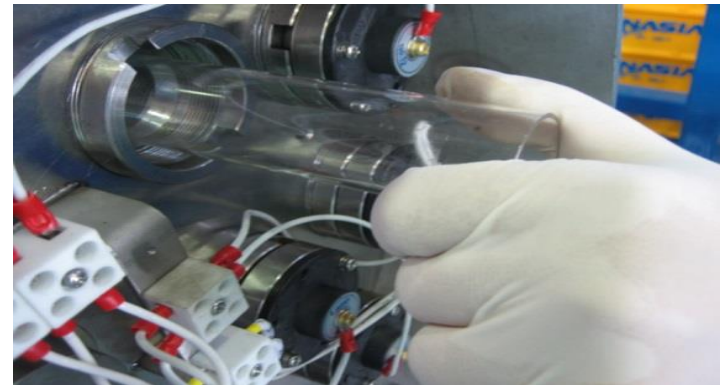


4. Dismantle Anti-Vibration Module and UV Lamps

5. Detach Screw Plug with Special Tool

6. Remove Lamp Sleeve and replace new one

Action 6



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Action 7



7. Check the O-ring and tighten condition

8. Re-assemble all parts in reverse order and re-test

Action 8

