Callisto electronics failure analysis guidelines

Cleaner doesn’t start (models with remote control)

1. Change the SUMO active hose – check if it the problem is solved ---- if not …
2. Disassemble the cleaner. (follow the callisto disassembling process)
3. Check all the connections on the PCB’s if it was wrong cleaner starts→ problem is solved ---- if not
4. Check order of SUMO PCB wires (If wiring was wrong --- always change SUMO PCB because diode damaged) if cleaner starts→ problem is solved ---- if the wiring on SUMO PCB was OK but the cleaner doesn't start.

5. Change SUMO PCB (use a new PCB because old PCB can be damaged by other panel) cleaner starts→ problem is solved ---- if not

6. Disconnect Module “A” PCB

7. Directly connect motor and a CW connector →
   a. If motor doesn’t start: check all wiring connection or/and change motor or CW
   b. If motor is working: change Module A PCB →If doesn’t start

8. change switch PCB
9. Put back the old SUMO PCB (unless wiring order was incorrect) if the cleaner works, the SUMO PCB is OK, the replacement was not needed.
10. Test the appliance.

Cleaner doesn’t start (models without remote control)

1. Disassemble the cleaner
2. Disconnect Module “A” PCB

3. Directly connect motor and a CW connector
4. If motor doesn’t start: check all wiring connection or/and change motor or CW
5. If motor working: change Module A PCB If doesn’t start
6. change switch PCB

7. Test the appliance.

After the switching On --- filter indicator LED is blinking immediately (for all models)

1. Check the filter and cone in the dust container (if dirty clean it test the cleaner) if doesn’t work properly

Blocked cone

2. Check the channel under the channel cover
3. Disassemble the cleaner
4. Check filter indicator tube (see on the image below), breaking not allowed if tube is broken change it (be careful with the proper guiding of the tube. See in disassembling process in the service instruction. Check the cleaner \( \Rightarrow \) if not help LED is blinking

5. Change switch PCB \( \Rightarrow \) if not help
6. Change Module A PCB
7. Put back the old switch PCB and you can test the cleaner
8. Test the appliance.

After switching On --- filter indicator LED is blinking not immediately 10-20 min. later. (for all models)

1. Disassemble the cleaner
2. Check the cooling tube of Module “A” PCB if it fell down, put back the cooling tube to the black plastic part of the module “A” PCB test the cleaner if it doesn’t help

3. Change Module A PCB
4. Test the appliance.

Cleaner starts without switching on with fluctuation noise (for all models)

1. Disassemble the cleaner
2. Check connector, and flat cable connection on the module “A” PCB
3. Change Module A PCB
4. Test the appliance

**Cleaner start without switching in max power (for all models)**

1. Disassemble the cleaner
2. Check display PCB flat cable connector in the switch PCB if is good
3. Change display PCB → if it doesn’t help

1180107-xx or 1180102-xx or 1180108-xx

4. Change Module “A” PCB
5. Test the appliance