

LIGHT LEAKAGE DEFECTS

8000series



Light leak repair methods

LINK

examples of causes of light leakage

LIGHT LEAKAGE

LIGHT LEAKAGE BY POINT PRESSURE

Light leakage caused by point pressure, e.g. rubber under the OC pressing on the OC, foreign body under the FC, incorrect FC assembly

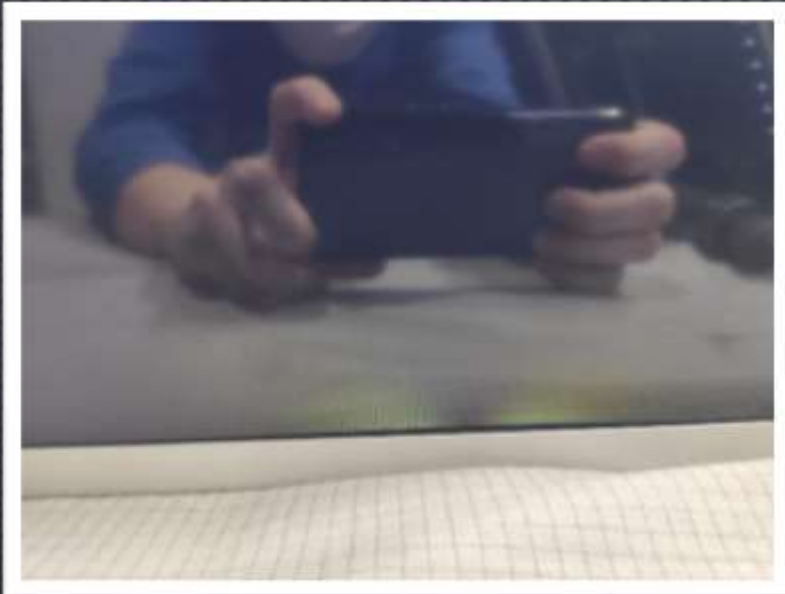


LIGHT LEAKAGE

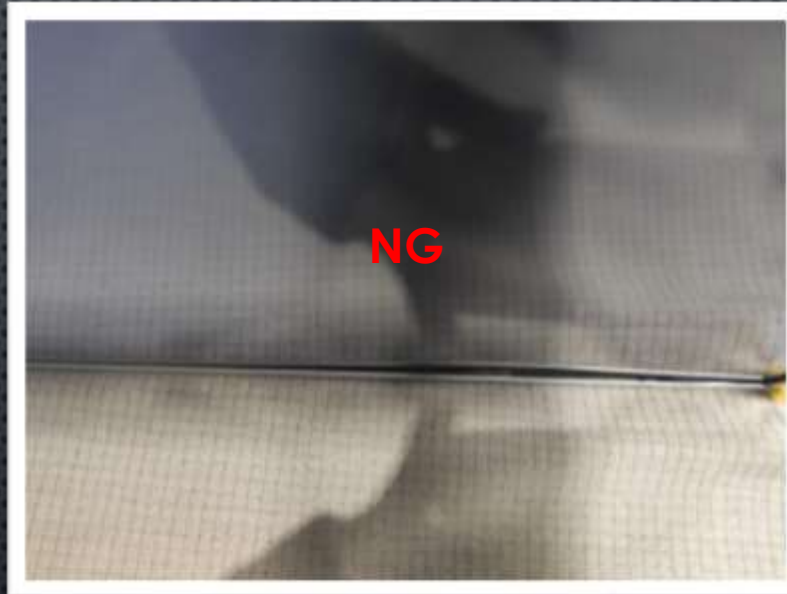
Light leakage caused by incorrectly installed reflector, B/L deformation, uneven backlight, middleframe bent



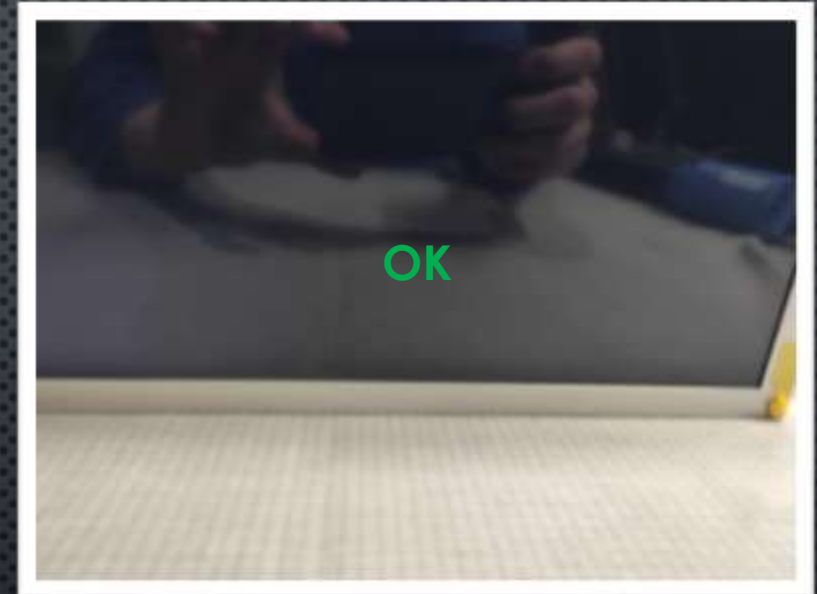
LIGHT LEAKEGE
BY POINT PRESSURE



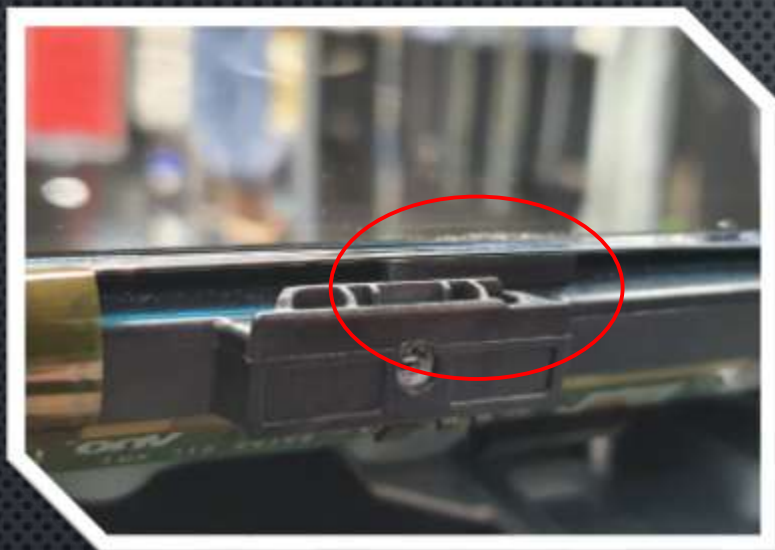
LIGHT LEAKEGE
CAUSED BY VISIBLE FC DENT



LIGHT LEAKEGE
REPAIRD BY CHANGE FRONT COVER

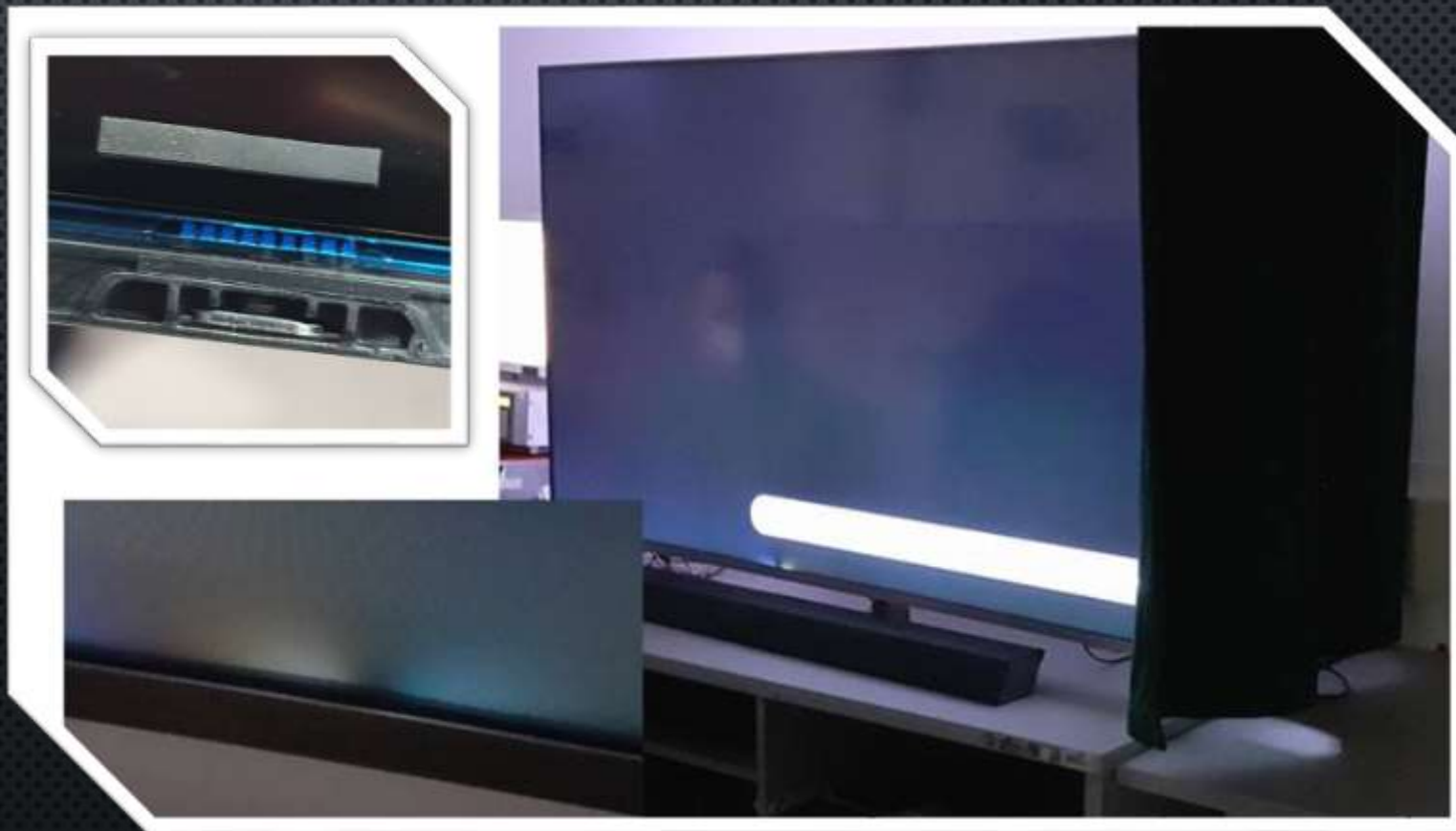
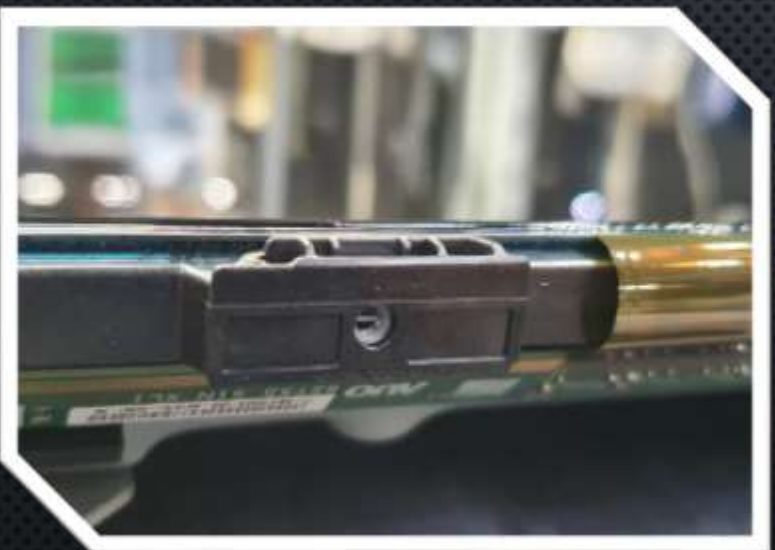


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Example of light leakage caused by point pressure under the OC - incorrectly glued rubber

OK





The problem occurs in large inches



The most serious location of light leakage is the wavy deformation of the middle frame pushing up to the OC light leakage. Confirm the upper limit of the bending angle on the sky side of the interference point of the backplane, and the upper limit of the mounting ear height.

MODEL

65PUS8009/12

75PUS8009/12

65PUS8009/12

65PUS8009/12

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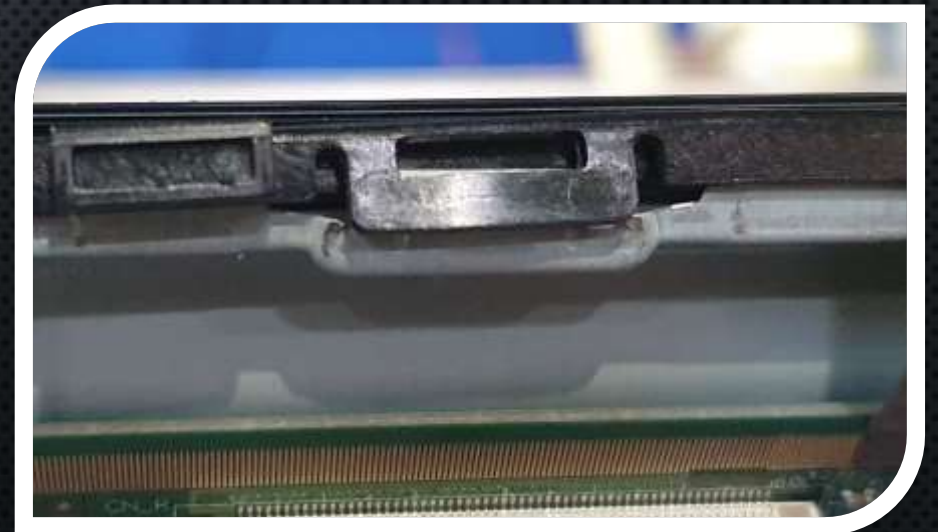
most common problem with Light leakage by FC



The tongue piece pushes up. Light leakage is caused by the angle in the PP stage. Although the LRD has defined angle specifications , but IPS screens have extremely high requirements on flat surfaces and need to be repeatedly adjusted and improved through different sizes and conditions.

The most common things that contribute to creating light leaks

- Gasket stretches the OC too much.
- FC deformation
- Back light deformation
- Foreign body under FC, OC
- The rubber pad under the OC fell under the glass
- Middle frame incorrectly installed
- Backlight / Middle frame is deformed

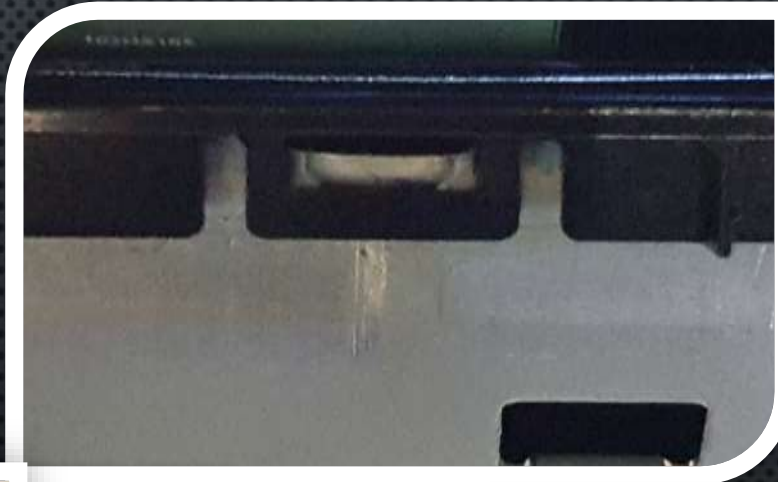


Light leak repair methods

- FC Gaps regulation
- Disassembly and assembly of FC + MiddleFrame
- Replacement of seals with new ones and even gluing of the glass.
- checking for foreign bodies under FC / OC
- BL deformation adjustment etc.



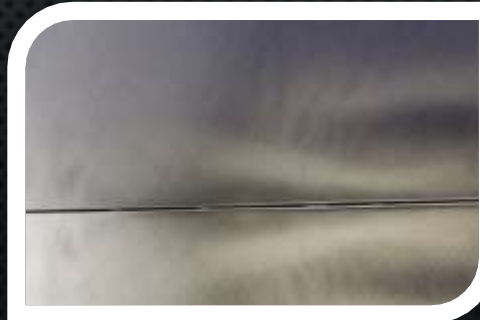
correctly assembly
middleframe.



correctly assembly
rubber on middleframe.



correctly assembly Frame



Light leak repair methods

FC adjustment/replacement by unscrewing the catches, possibly replacing the frame

1 step.



2 step.



3 step.



4 step. replacing / adding a gasket under the deco.



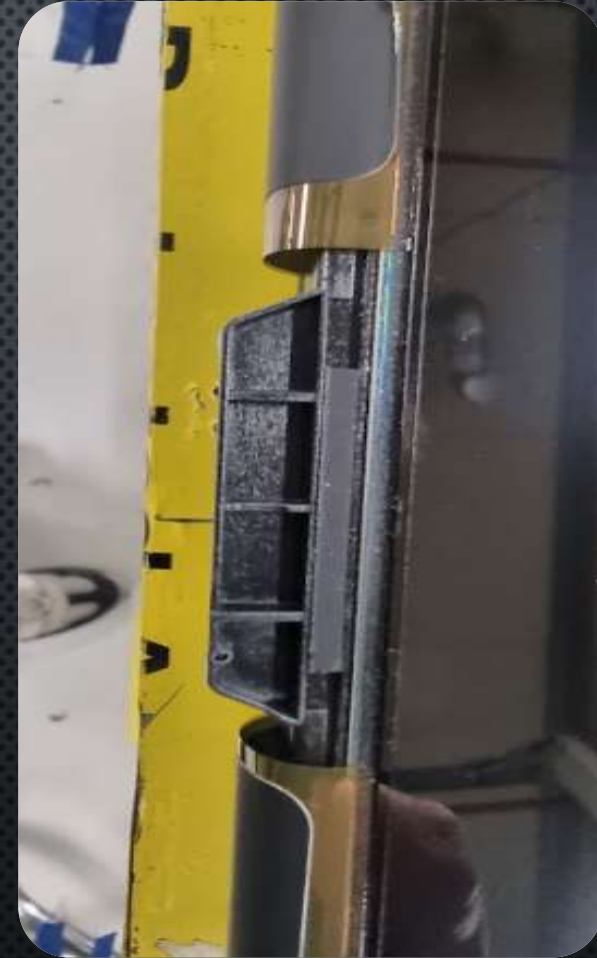
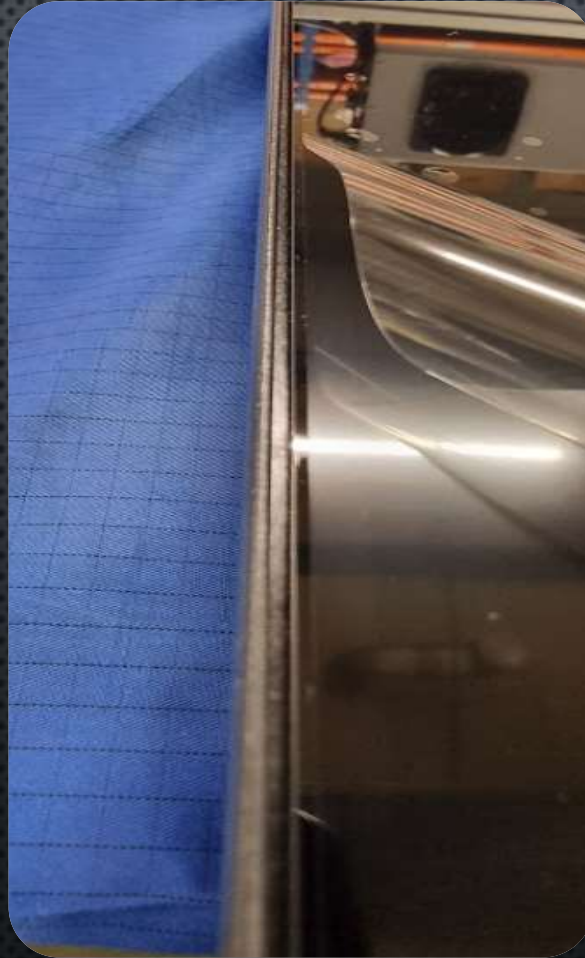
TV SET

5 step.

Replacing the gasket on the lower + reassembly middleframe

Light leak repair methods

Checking additional things - rubber pad under OC, checking B/L deformation, checking hooks in the middleframe



Light leak repair methods

Checking additional things - Corner Rubber checking FC deformation and possible small gaps causing OC stress



Quick step of Repair

1. Identify the light leakage problem and assess it according to the specification.
2. Check if it is not caused by an external force
3. Check if the BC disassembly/assembly itself will not cause a reduction in the OC stretched.
4. Check if the module is not deformed/bent etc.
5. Try to eliminate the leakage defect by adjusting the module parts.

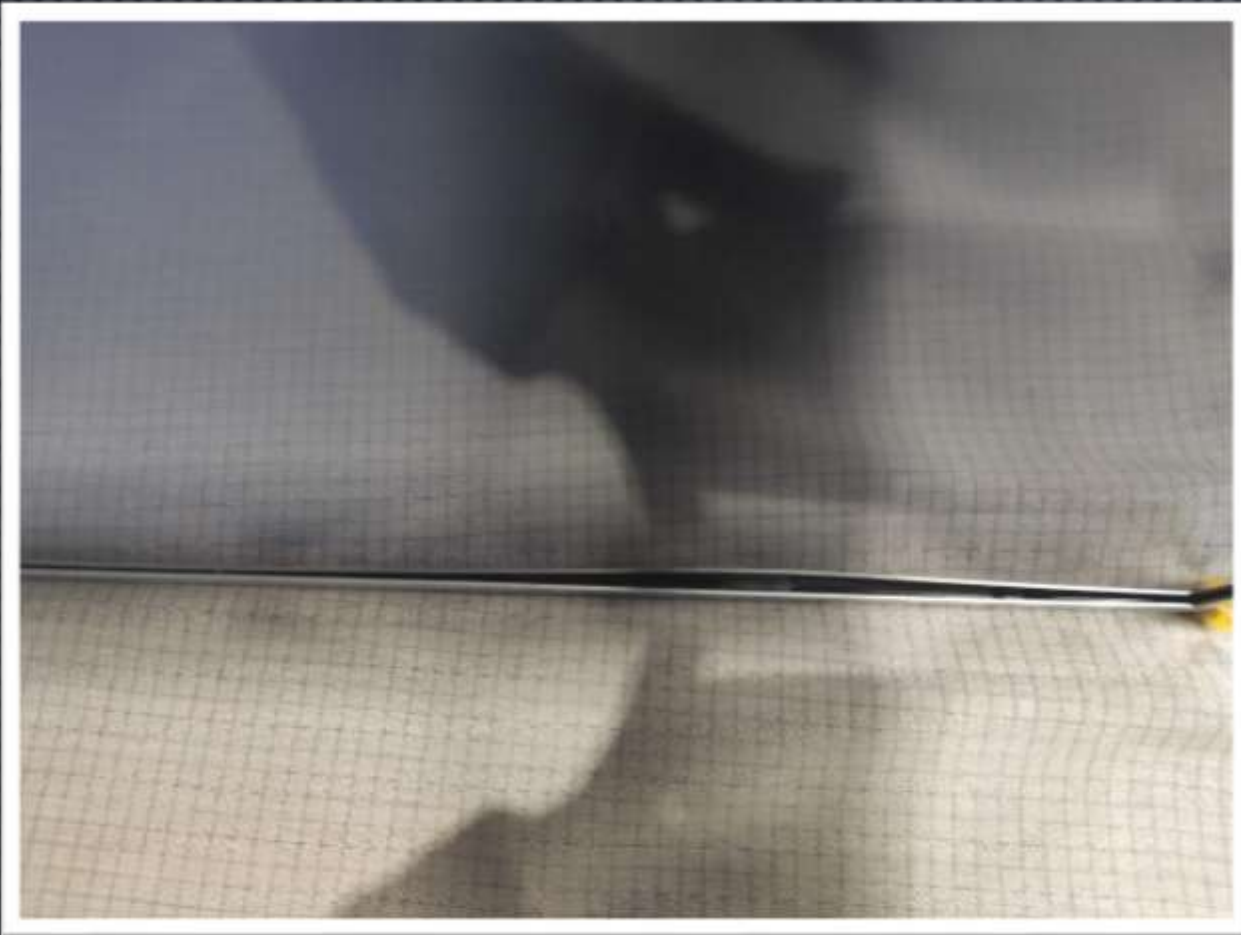


Quick step of Repair



Unscrew the frame/loosen the screws, check what happens

Quick step of Repair



Unscrew the frame / loosen the screws,
straighten the FC, peel off the foam from it.

Quick step of Repair



Unscrew the frame/loosen the screws, peel off each foil from the matrix and rubberpad because it can stretch on the OC

Quick step of Repair



Check if the leak is caused by a damaged part inside the panel by correctly identifying the defect.

THANK YOU !