

# REL Test-Luna Air-leakage issue (Camera Lens)

## << Failure description:

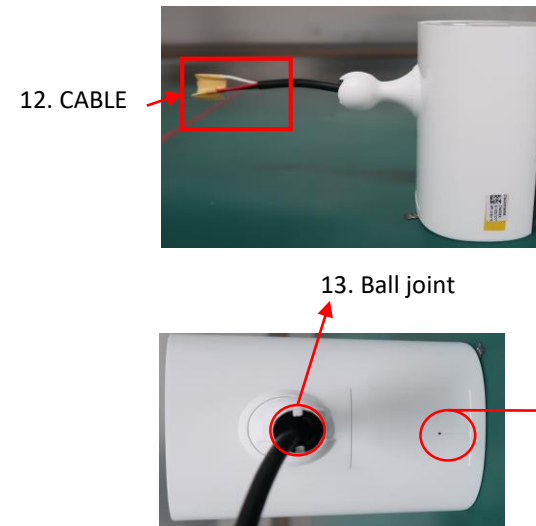
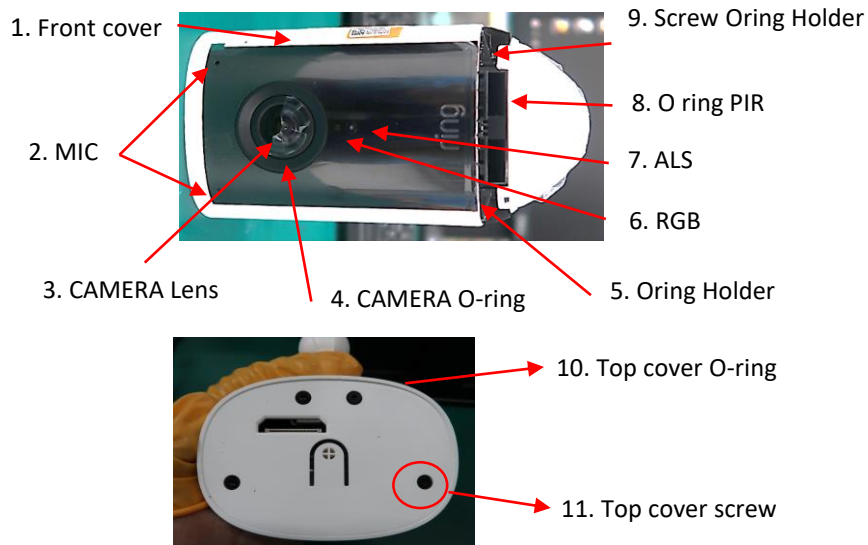
- ❖ Failure symptom: Devices are failed at IPX2 station after REL Q-Sun Sunny.
- ❖ Detect station: IPX2
- ❖ Happen time: 2025/07/21
- ❖ How many: 2F/6T (FR: 33.33%) , DSN: GT54G002526500D9, GT54FJ02525400FD.

## << Failure Analysis:

**Step 1:** Checking device cosmetic if have any abnormal → No scratches or breaks found on the outside of the device.

**Step 2:** Stick wooden tape to each possible air leakage location on the device to find out the exact air leakage location on the device.

- ❖ Only stick wooden tape and clay in turn to MIC/ALS/Camera/RGB/Vent position/Oring/Cable/Ball joint/Screw



## REL Test-Luna Air-leakage issue (Camera Lens)

### << Failure Analysis:

❖ Only fill Camera Lens position, re-test IPX2 is OK, the result showed table below

→ Only have air-leakage at Camera lens position

DSN	Leaking Position	IPX2 (IPX 2 < 200pa)	After fill Camera lens
GT54G002526500D9	CAMERA LENS	6230	105.1
GT54FJ02525400FD	CAMERA LENS	6126	65.14



Only fill  
Camera Lens

### << Root cause:

❖ **Suspected Cause:** The material used to seal the camera lens may not withstand the alternating **spray and sunlight exposure** conditions during the Q-SUN test.

### << Correct Action:

1. SQE Coordinate with supplier for material review and improvement.

Owner: SQE- Tammy

Due date: 2025/07/28

Status: **On-going**