

P4 Utility Lamp Water Intrusion

COMMUNICATION:

FIELD SOLUTION: Fix as Fail **PUBLISH DATE:** N/A

TOPIC BACKGROUND:

PRIMARY EFFECT:

- Customers finding early life water intrusion failures on both LH and RH utility lamps mounted on the outside of the side extenders.

AFFECTED MODELS:

- All Cascadias

VISUALIZATION:



PROGRESS UPDATES:

- Engineering and supplier evaluated failed parts to understand root-cause. They determined the moisture was entering the lights through the breather tube membrane.

TOPIC RESOLUTION INFORMATION:

PRODUCTION CHANGEOVER WEEK/MONTH:

- Remove breather tube and membrane. 02/2026

RESOLUTION:



Breather target opening. Secondary drilling operation to create a path into the mounting screw hole so that light can breathe. This hole was filled with silicone to plug until new housings without the drilled hole we available



Close up of target in new housing showing that the secondary drilling is no longer performed so that the light no longer has a path to the atmosphere. Eliminates water vapor from entering and condensing in the light.