

**Refrigerant Loss – Possible Misdiagnosis due to Fluorescent Corrosion Protection at the Electric Air-Conditioning Compressor (SY 115/25)**

**Change Overview**

Release	Date	Change
0	01/16/2026	▪ First Publication
1	01/22/2026	▪ Addition of Leaking Compressor Image

Model Line: **Panamera (971/YAA/YAB)  
Cayenne (9YA/9YB)**

Model Year: **As of 2017**

Equipment: Hybrid drive system PHEV (M-No. 0K3)

Concerns: **Electric air-conditioning compressor**

Symptom: **During the leak test of the air-conditioning system, fluorescent traces are detected at the separating joints of the electric air-conditioning compressor.**



**Information**

**Fluorescent traces at the separating joints of the electric air-conditioning compressor do not necessarily indicate a loss of refrigerant at the electric air-conditioning compressor.**

Cause: The electric air-conditioning compressor is coated with a corrosion preventive compound to protect against corrosion in the area of the separating joints. This corrosion preventive compound is **fluorescent** and can be misinterpreted as a loss of refrigerant.

These marks do not indicate a leak in the electric air-conditioning compressor. ⇒ *Traces of fluorescent corrosion preventive compound (example shown)*



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**Information**

Replacing the electric air-conditioning compressor is not expedient for the symptom mentioned.



*Leaking Compressor*

In the absence of UV light, the corrosion preventative compound will appear as a dry yellow/brown stain. This is clearly differentiated from an active leak, where drops of dye can be seen underneath the compressor.

**Remedial  
Action:**

Always check the air-conditioning system using the Workshop Manual to clearly identify possible leaks on the air-conditioning system.

⇒ *Workshop Manual '870101A2 Checking air-conditioning system'*

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