# Lack of Cooling Power or Air-Conditioning System Failure - Fault Memory Entry "B16A284" / "B16A384": Observe Procedure for Air Conditioning Testing (54/25)

Model Line: **Taycan (Y1A / Y1B / Y1C)**

Model Year: **As of 2020**

Concerns: **Air-conditioning system**

Cause: **The customer complains that the cooling power of the air-conditioning system is insufficient or the air conditioning system is failing. During the sales check (PDI) or a workshop visit, one or both fault memory entries listed below are detected in the thermal management control unit (J1024):**

- **B16A284** - Refrigerant circuit, interior cooling, pressure too low (00EA61)
- **B16A384** - Refrigerant circuit, heat pump operation, pressure too low (00EA69)

The workshop detects that the amount of refrigerant in the refrigerant circuit is too low using the air conditioning service unit.
**A leak cannot be detected by the workshop via the system check of the air conditioning service unit.**

**Information**
All vehicles are filled with the correct amount of refrigerant during production; therefore, an insufficient amount of refrigerant is due to a **leakage**.

Cause: Refrigerant leaks in the form of microleakages can occur on all refrigerant-carrying components of the air-conditioning system and may not be detectable with the air conditioning service unit.

**Information**
A system check via the air conditioning service unit is **not sufficient.** in this case

Action: If there is a customer complaint, refill the refrigerant circuit, then **spray all refrigerant-carrying components of the air-conditioning system (lines incl. hoses, etc.) with alkali/soapy water** and check for microleakages.

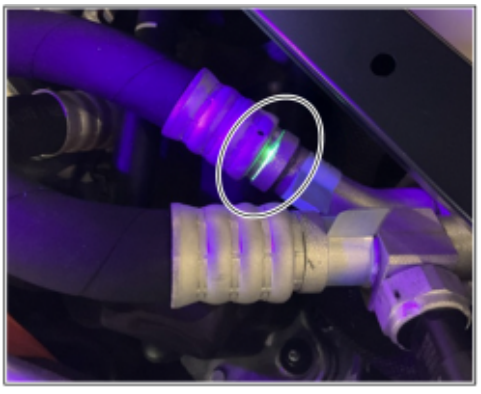
**Information**

**The leak test of the air-conditioning system must be carried out within the framework of this Technical Information using alkali/soapy water on all refrigerant-carrying components of the air-conditioning system.** ⇒ *Example of a leak on pressing with alkali/soapy water*

If no leaks could be detected with the alkali/soapy water, troubleshooting must be continued as per the Workshop Manual on ⇒ *Workshop Manual '870101 Checking air conditioning system (troubleshooting)'*.

*Example of a leak on pressing with alkali/soapy water*

Please follow the correct sequence for this and do not ⇒ *Example of a leak on pressing with leak detection additive* start immediately with the leak detection additives.



*Example of a leak on pressing with leak detection additive*

## PCSS encryption

PCSS encryption:

| | | |
|---|---|---|
| **Location (FES5)** | 87030 | Refrigerant |
| **Damage type (SA4)** | 1036 | insufficient medium/material |