

YAA, 9YA, 9YB PHEV- TME Temperature/Pressure Sensors Implausible

Vehicles Affected

| Models | Model Year | Model Type | VIN Range | Vehicle-Specific Equipment |
|----------|------------|------------|-----------|----------------------------|
| Panamera | 2025 | YAA, YAB | N/A | PHEV |
| Cayenne | As of 2024 | 9YA, 9YB | N/A | PHEV |

Revision History

| Revision | Release Date | Changes |
|----------|---------------|-------------------|
| 0 | April 3, 2025 | Original document |

Condition

The customer complains of a MIL in the instrument cluster. The workshop finds any of the following fault codes in the Thermal management (J1024) version 003 control unit:

P2CD400 A/C Refrigerant Pressure Sensor "A"/"B" Correlation (00D6F1)
POEC400 A/C Refrigerant Temperature Sensor "B" Range/Performance (00D6DF)
POEBF00 A/C Refrigerant Temperature Sensor "A" Range/Performance (00D6DE)

Technical Background

These faults can occur in previous TME coding versions. The sensors themselves may or may not be faulty in these cases.

Service Information

The occurrence of these faults can be remedied with two different solutions.

On the first visit for this concern:

1. Verify the aforementioned faults are present in Thermal management (J1024)
2. Perform automatic coding of Thermal management (J1024) with Tester software version 43.200.031 or newer.

Advanced Technical Information

If the faults return under similar conditions, replace both sensors (PT1 and PT2) referenced by the faults with a new sensor designated by the following part numbers:

| Part number | Location |
|-------------|----------------------|
| PAB959603B | On Porsche box label |
| 4M0959603J | Printed on part |

Warranty

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

1st occurrence repair:

| APOS | Labor operation | I No. |
|----------|---|-------|
| 03350050 | On board diagnostic | |
| 03350053 | On board diagnostic-Create VAL | |
| 19292567 | Thermal management control unit program | |

2nd occurrence repair:

| APOS | Labor operation | I No. |
|----------|--|-------|
| 03350050 | On board diagnostic | |
| 03350053 | On board diagnostic-Create VAL | |
| 87831915 | Pressure sensor for refrigerant circuit remove and reinstall (PT2) | |
| 87831916 | Pressure sensor for refrigerant circuit remove and reinstall (PT1) | |
| 87835550 | Pressure sensor for refrigerant circuit replace (Teach) | |

PCSS encryption:

| | | |
|--------------------------|-------|---|
| Location (FES5) | 87830 | Pressure sensor for refrigerant circuit |
| Damage type (SA4) | 1613 | No function occasionally |

Search Items

PHEV 2.0, MIL, TME, E-Hybrid, Panamera, YAA, G3, temp sensor, implausible, PT1, PT2

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