

Vehicle Not Ready to Drive / Fault Memory Entry "Fuse for High-Voltage System" (POA9500 / POE2F00) in High-Voltage Battery Control Unit - Observe Specified Procedure (66/22)

Change overview

| Release | Date | Change |
|---------|------------|--|
| 0 | 11/05/2022 | <ul style="list-style-type: none"> • First publication |
| 1 | 12/04/2023 | <ul style="list-style-type: none"> • Reference to "Questionnaire for TI 66/22" added • "Action Required" section suitably changed • Component also to be replaced added (high-voltage distributor booster) • Section "Required parts, tools and materials" adapted • Section "Working position and PCSS encryption" adapted |

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

Model Year: **As of 2020 up to 2024**

Concerns: **High-voltage battery control unit (BMC)**

Cause: Observe the required procedure for the complaint "Vehicle not ready to drive" in connection with the following fault memory entries relating to the fuse for the high-voltage system:

- POA9500 - Fuse for high-voltage system
- POE2F00 - Fuse 2 for high-voltage system

Action required:



Information

To better identify the cause of the tripped fuses for the high-voltage system, perform the following work procedure immediately in the case of the fault pattern described here:

- Before carrying out any further work, carefully complete the TI 66/22 questionnaire. Can be found under the title "2708 - TI 66/22 questionnaire" in the information medium TI - Technical Information, main group 2 - Fuel supply.
- Create PRMS ticket with priority A, attach questionnaire for TI 66/22 and forward it to Technical Support.
- Repair the vehicle according to the feedback from Technical Support.

Once the source of the fault triggering the fuse has been remedied, replace the **high-voltage distributor (booster) and the entire high-voltage battery system** - consisting of:

- High-voltage battery
- High-voltage battery control unit
- Battery disconnect element

Required parts, tools and materials

Parts Info:

Required parts:

| Part No. | Designation – Includes / application site | Number |
|-----------------|---|---------------|
| 9J1915100xx* | ⇒ High-voltage battery complete (M No. J9K) Includes: – Battery disconnect element – High-voltage battery control unit | 1 piece |
| or | | |
| 9J1915099xx* | ⇒ High-voltage battery complete (M No. J9I) Includes: – Battery disconnect element – High-voltage battery control unit | 1 piece |
| and | | |
| 9J1915539DP | ⇒ Voltage converter high-voltage booster low – All-wheel drive (M No. 1X1) – High-voltage booster low (M No. KM1) | 1 piece |
| or | | |
| 9J1915539DQ | ⇒ Voltage converter high-voltage booster high – All-wheel drive (M No. 1X1) – High-voltage booster high (M No. KM2) | 1 piece |
| or | | |
| 99J1915539DM | ⇒ Voltage converter high-voltage booster low – Rear wheel drive (M No. 1X2) – High-voltage booster low (M No. KM1) | 1 piece |
| or | | |
| 9J1915539DN | ⇒ Voltage converter high-voltage booster high – Rear wheel drive (M No. 1X2) – High-voltage booster high (M No. KM2) | 1 piece |

Additional parts required for replacing the high-voltage distributor (booster)

| | | |
|------------|--|----------|
| N 10261307 | ⇒ M10 hexagon nut Wiper arm | 2 pieces |
| PAF912040 | ⇒ Hexagon-head bolt, M5 x 50 (Dome) strut to spring strut mount | 4 piece |

| | | |
|------------|--|---------|
| PAF106825 | ⇒ Cheese head bolt with multiple-tooth head M5 x 50 Strut to spring strut mount | 4 piece |
| N 10737001 | ⇒ Hexagon nut, self-locking, M6 Holder for electric passenger compartment heater on body | 3 piece |

*Select the required high-voltage battery system using the Porsche Spare Parts Catalogue (PET).

Materials: **Required materials** (usually already available in the Porsche Center):

| Part No. | Designation | Quantity |
|-------------|--|---|
| 00004330516 | ⇒ Coolant additive, 20-liter/ 5.28 gal container – Cooling system | As much as required (approx. 1 liter/ 33.8 fl oz required per vehicle) |

- Tools:
- **P90999 - PIWIS Tester 4**
 - **VAS 5908 - Battery charger, 90A**
 - **VAS 6883A - Insulated tool set**
 - **VAS 6832/9 - Assembly tool**
 - **VAS 6832 - Master Gear unit elevating platform**
 - **P90012 - Guide pins**
 - **VAS 6884 - High-Voltage Cordon**
 - **VAS 6122 - Engine plug set**
 - **3093 - Hose clamp**
 - **VAS 531 011 - Cooling system service equipment**
 - **VAS 6675A - Funnel**
 - **T40262 - Locking cap**
 - **VAS 6410 - Contact surface cleaning set**
 - **VAS 6558/9-6A - High-voltage test adapter**
 - **VAS 6558A - High-voltage testing module**
 - **VAS 6935 - Pole terminal puller**
 - **VAS 6890 - Spring band clamp pliers**
 - **VAS 6558A/27 - Set of Kelvin clamps and test probes**
 - **VAS 681 003A - High-voltage battery charger**
 - **VAS 6096/2 - Vacuum pump**

Preliminary work

- Work Procedure: 1 Create vehicle analysis protocol (VAL) and mark it with the attribute 'Pre-VAL'.
- 2 Find the cause of the fault and correct it.

Replacing high-voltage distributor (booster) and high-voltage battery connection

- Work procedure: 1 Replacing high-voltage battery system - consisting of:
- High-voltage battery
 - High-voltage battery control unit
 - Battery separator
- For instructions, see:
⇒ *Workshop Manual '270855 Replacing high-voltage battery'*
- 2 Replace high-voltage distributor (booster).
⇒ *Workshop Manual '279855 Replacing high-voltage distributor (booster)'*

Working position and PCSS encryption

Labor position:

| APOS | Labor operation | I No. |
|----------|---|-------|
| 03350050 | On-board diagnosis | |
| 03350053 | On-board diagnosis | |
| 27089590 | High-voltage battery troubleshooting | |
| 27080162 | Check high-voltage battery | |
| 27758359 | Deactivating and activating high-voltage system | |
| 19381756 | Draining and filling coolant | |
| 27985500 | Replacing high-voltage distributor (booster) | |
| 27085500 | Replacing high-voltage battery | |

PCSS encryption:

| | | |
|-------------------|-------|----------------------|
| Location (FES5) | 27080 | High-voltage battery |
| Damage type (SA4) | 1611 | non-functional |

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