

Y1A - Taycan : Necessary Software Verification for Power Electronics and DME

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Taycan Taycan 4S Taycan Turbo Taycan Turbo S	As of 2020 up to 2021	Y1AAA1 Y1ADB1 Y1AFC1 Y1AFH1	N/A	N/A

Revision History

Revision	Release Date	Changes
0	May 28, 2021	Original document

Condition

A failure entry in either the **High-voltage power electronics on front axle** (Power electronics 2) or the **High-voltage power electronics on rear axle** (Power electronics 1) for **P060A00- 00ACC9** 'Internal processor monitoring – malfunction,' highlighting a software issue with a diagnostic condition.

Technical Background

Available software updates to the DME and both Power Electronics presented below in Table 1 remedy the aforementioned condition. Programming these control units is dependent on their starting software number and version. Tester software version **40.250.030 (or higher)** is necessary for the SW in Table 1. Additionally, **PT3G testers should always operate at the most current software version release available**. This software is now also included in both the WMA5 and WMA6 Campaigns for model year 2020 and 2021 vehicles, respectively. Please refer to the 'Service Information' section on page 2 for further information and instruction.

DME	Porsche part number	Software version
Taycan Base	9J1909101CS	0014
Taycan 4S	9J1909101CT	0014
Taycan Turbo	9J1909101DA	0014
Taycan Turbo S	9J1909101DB	0014
REAR Power HV Electronics	Porsche part number	Software version
Taycan Base / Taycan 4S	9J1907121BB	0012
Taycan Turbo / Taycan Turbo S	9J1907121BA	0012
FRONT Power HV Electronics	Porsche part number	Software version
Taycan 4S / Taycan Turbo	9J1907122AH	0012
Taycan Turbo S	9J1907124AB	0012

Table 1: WMA5 & WMA6 Software Levels for Power Electronics Control Units and DME

Service Information

Please follow the fault tree diagram below in Figure 1 to achieve the target software levels provided in Table 1.

If performing an automatic programming and coding is necessary as prescribed in Figure 1, then updating the DME, or High-voltage power electronics (front or rear) will program all three control units in the same tester programming routine.

Please follow the workshop manual instructions associated with the labor operations on page 4.

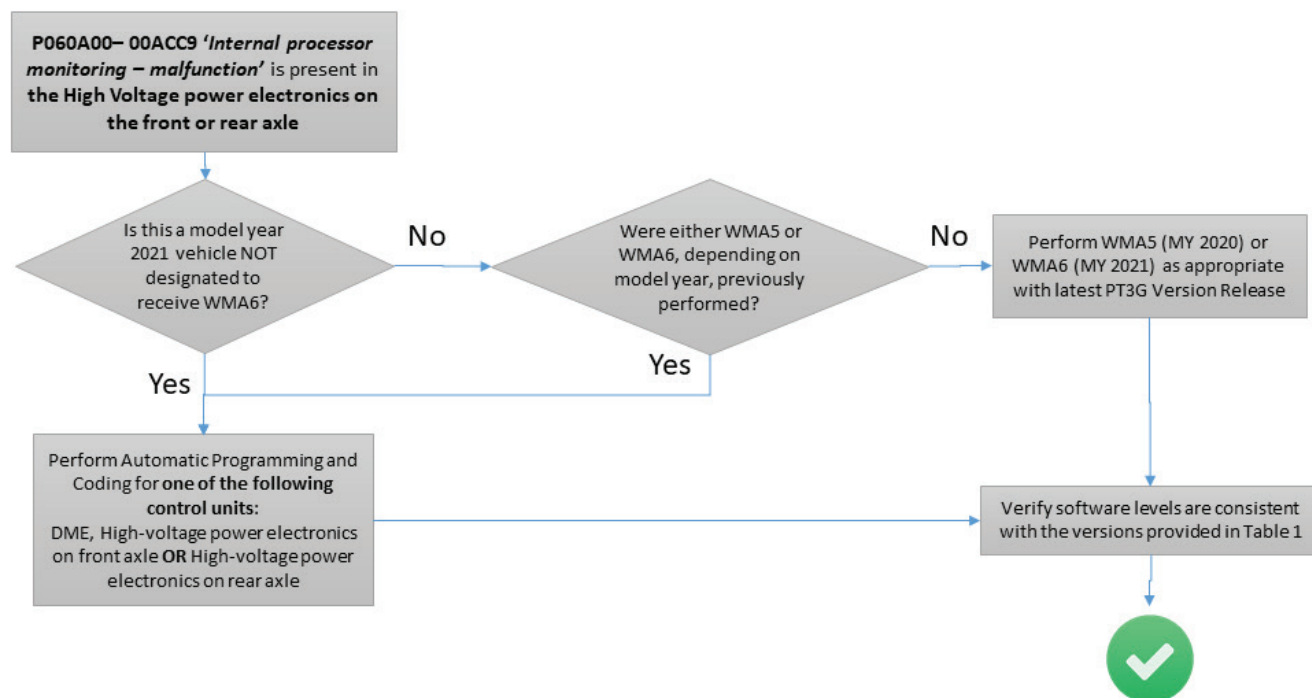


Figure 1: Fault Tree Diagram to Achieve Software Status shown in Table 1

Warranty

As always, be sure to document the repair completely in PQIS.

For this repair, please code the "cause" as follows:

Cause location:	27910	Power Electronics
Cause symptom:	4095	Incompatible SW version

Use the following troubleshooting labor operations:

03350050	Reading and clearing faults – Before Programming
03350053	Creating a pre-VAL
24702550	DME control unit program
03350060	Reading and clearing faults – Post Programming
03350063	Creating a post VAL

Search items

P060A00– 00ACC9, High-voltage power electronics for rear (front) axle , DME, Internal processor monitoring – malfunction

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