

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

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Taycan	As of 2020 up to 2021	Y1AAA1	N/A	N/A
Taycan 4S		Y1ADB1		
Taycan Turbo		Y1AFC1		
Taycan Turbo S		Y1AFH1		
Taycan CUV4		Y1BBD1		
Taycan CUV 4S		Y1BDB1		
Taycan CUV Turbo		Y1BFC1		
Taycan CUV Turbo S		Y1BFH1		

Revision History

Revision	Release Date	Changes
0	May 28, 2021	Original document
1	June 22, 2021	Inclusion of Cross Turismo Variants
2	June 29, 2021	Update of part numbers

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 3 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
Taycan CUV 4	9J1909101AJ	0014
Taycan CUV 4S	9J1909101AG	0014
Taycan CU Turbo	9J1909101AH	0014
Taycan CU Turbo S	9J1909101AK	0014
REAR Power HV Electronics	Porsche part number	Software version
Taycan Base / Taycan 4S Taycan CUV 4 / Taycan CUV 4S	9J1907121BB	0012
Taycan Turbo / Taycan Turbo S Taycan CUV Turbo / Taycan CUV Turbo S	9J1907121BA	0012
FRONT Power HV Electronics	Porsche part number	Software version
Taycan 4S / Taycan Turbo Taycan CUV 4 / Taycan CUV 4S	9J1907124AH	0012
Taycan Turbo S Taycan CUV Turbo / Taycan CUV Turbo S	9J1907122AB	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.

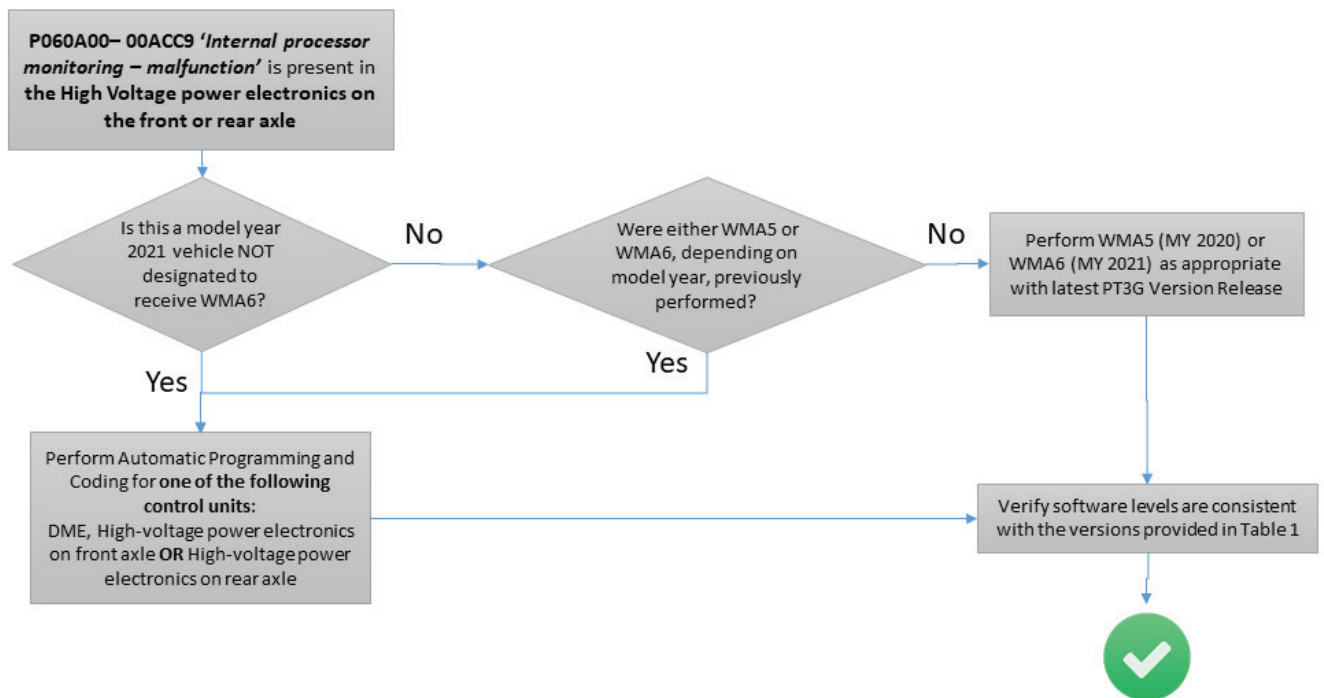


Figure 1: Fault Tree Diagram to Achieve Software Status shown in Table 1

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

Important Notice: Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.