

## 982 – Radiator Fans Intermittently Inoperative

### Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
718	2021 - 2022	Cayman GTS 4.0 (982140)	N/A	N/A
718	2021 - 2022	Boxster GTS 4.0 (982340)	N/A	N/A
718	2021 - 2022	Boxster 25 Years (982370)	N/A	N/A
718	2021 - 2022	Spyder (982510)	N/A	N/A
718	2021 - 2022	Cayman GT4 (982810)	N/A	N/A

### Revision History

Revision	Release Date	Changes
0	March 7, 2022	Original document
1	August 18, 2022	Update of content
2	October 25, 2022	Update of content
3	November 3, 2022	Update of Service Information and Warranty

### Condition

The customer complains of a MIL, or a lack of cold Air Conditioning, or possibly both. The workshop finds the following fault codes stored in the DME:

- P2D8900 – Radiator fan 1 (left), power supply
- P2D8C00 – Radiator fan 2 (right), power supply

The fault codes may be stored simultaneously.

### Technical Background

It is possible that the aforementioned fault codes set by rapidly starting the engine upon entering the vehicle (i.e., quick switch from key off --> engine on) this is caused by a software bug in the DME. The responsible diagnostic for this error is addressed in a new available software.

### Service Information

1. Please ensure the PIWIS tester is updated to version 41.400.010
2. Create a Pre-VAL
3. Perform automatic programming of the DME to update the software level as shown in Table 1 below.
4. Create an After-VAL to document successful completion of the DME programming.

Model Year	Vehicle	Transmission	Target Software Version	Target Porsche Part number
2021-2022	Cayman GTS 4.0	Manual (6MT)	0001	982906034AM
2021-2022	Cayman GTS 4.0	PDK	0001	982906034AK
2021-2022	Boxster GTS 4.0	Manual (6MT)	0001	982906034AM
2021-2022	Boxster GTS 4.0	PDK	0001	982906034AK
2021-2022	Cayman GT4	Manual (6MT)	0001	982906033AT
2021-2022	Cayman GT4	PDK	0001	982906033AR
2021-2022	Spyder	Manual (6MT)	0001	982906033AT
2021-2022	Spyder	PDK	0001	982906033AR

**Table 1 - 982 DME SW for Affected Order Types**

### Warranty

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

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

Cause location:       19080       Electric fan  
Cause symptom:       4072       Voltage too low

Use the following troubleshooting labor operation:

24702550               DME control unit program

**Additional labor operations may be claimed only as needed.**

### Search Items

Cayman, Boxster, GTS 4.0, radiator, fans, GT4, Spyder, 718, air conditioning, A/C, 25-year edition

**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.