Discharge the Vehicle Electrical System Battery in Conjunction With an Active Oil Level Message in the Instrument Cluster (55/25)

Vehicle Type: **718 GTS 4.0 (982) / Boxster 25 years (982) / 718 GT4 (982) / 718 GT4 RS (982) / 718 Spyder (982) / 718 Spyder RS (982)**

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

Concerns: **Instrument cluster control unit**

Cause: **The customer complains that the vehicle does not open or cannot be started. An oil level warning message was displayed to the customer in the instrument cluster in advance.**
One of the following fault memory entries is stored in the instrument cluster control unit:

- **00A045** - Check MIN oil level warning
- **00A222** - Check MAX oil level warning

In addition, the following fault memory entry can also be stored in the gateway control unit:

- **000603** - Load switch-off (eEm)

Action: If there is a customer complaint, check fault memory entries and the software status of the instrument cluster control unit and re-program the instrument cluster control unit if necessary.

Information
The minimum programming requirement is the PIWIS Tester software release **43.500.005** (or higher)

Required tools

Tools:

- **P90999 - PIWIS Tester 4**
- Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

Check fault memory entries and software status of the instrument cluster control unit

Work Procedure: 1 Create vehicle analysis log (VAL).

1.1 Connect and switch on the battery charger.
⇒ *Workshop Manual '270689A4 Charge the battery and vehicle electrical system'*

1.2 Place the original remote control in the emergency start tray.

1.3 Connect **P90999 - PIWIS Tester 4**, switch on ignition and start the diagnostic application.

1.4 Create vehicle analysis protocol (FAP) and mark it with the attribute **"Pre-VAL"**.

2 Check the fault memory entries of the instrument cluster control units and gateway if necessary in the vehicle analysis log (VAL) and read out the software status of the instrument cluster control unit.

2.1 Check whether one of the fault memory entries (00A045 or 00A222) is stored in the instrument cluster control unit with regard to oil level warning.

And additionally:

Check whether software version 0942 is installed on the instrument cluster control unit.

Assessment	Action
▪ Customer complaint: Vehicle electrical system battery flat ▪ One of the specified fault memory entries is stored ▪ Software version of instrument cluster control unit is lower than 0942	**Re-program** instrument cluster control unit. Continue with: ⇒ *Technical Information '270689A4 Re-programming instrument cluster control unit'*
▪ There is no customer complaint for "Vehicle electrical system battery flat" **or** ▪ Specified fault memory entries are not stored **or** ▪ Software version of instrument cluster control unit is 0942 (or higher)	Continue troubleshooting in some other way. **End of action.**

Re-programming instrument cluster control unit

Work Procedure: 1 Re-program instrument cluster control unit.

The basic work procedure for control unit programming is described in the Workshop Manual.
⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit programming in the context of this Technical Information.

Required PIWIS Tester software release:	**43.500.005** (or higher)
Type of control unit programming:	Control unit programming using the **'Campaign' function in the additional menu** on the PIWIS Tester by entering a programming code.

Programming code:	**Y5K8P**
Programming sequence:	Read and follow the **information and instructions on the PIWIS Tester** during the guided programming sequence. During the programming sequence, the control unit is **re-programmed** and then **automatically** re-**coded**. **Do not interrupt programming and coding process.** A backup documentation process for the re-programmed software releases starts once programming and coding is complete.
Programming duration:	Programming takes up to **90 minutes**, depending on equipment.
Software release programmed during this action:	▪ **Instrument cluster control unit** Software release: **0942** (or higher) Following control unit programming, the software release can be read out from the relevant control unit using the PIWIS Tester in the menu ⇒ 'Incremented identifications'.
Procedure in the event of error messages appearing during the programming sequence:	⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by re-entering the programming code.

2 Read out and delete all control unit fault memories.

3 Exit the diagnostic application, switch off ignition and disconnect **P90999 - PIWIS Tester 4** from the vehicle.

4 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689A4 Charge the battery and vehicle electrical system'*

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
90250140	Check instrument cluster	
90252540	Re-program instrument cluster	

PCSS encryption:

Location (FES5)	90250	Instrument cluster
Damage type (SA4)	1134	Programming error