

Yellow Warning Message "Parking Brake Malfunction" in the Instrument Cluster/Various Fault Memory Entries in the Gateway and Electric Parking Brake (EPB) Control Units (SY 16/25)

Model Line: **718 (982)**

Model Year: **As of 2018 up to 2025**

Concerns: **Electric parking brake control unit**

Symptom: **The customer complains about a yellow warning message "Parking brake malfunction" in the instrument cluster as well as the failure of the electric parking brake.**

One or more of the following fault memory entries are stored in the parking brake (EPB) control unit fault memory:

- **000016** - Parking brake, electrical fault
- **000021** - Drive Away Automatic Release, not available
- **000022** - Actuator force information not available
- **000028** - Actuator position, implausible
- **000030** - Actuator activation not possible

Or the following fault memory entry is stored in the fault memory of the Gateway control unit:

- **C12008** - No communication with parking brake control unit

Or the calibration of the electric parking brake is not possible.

Cause: Damage to the main wire harness in the rear wheel housings can lead to this complaint.

Remedial Action: If a customer complaint is present and **before** replacing the component (parking brake control unit or actuators), check the main wire harness for damage and repair if necessary.

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 Charge battery and vehicle electrical system'*
 - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g. **V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
 - Torque wrench, 40-200 Nm (30-148 ftlb.), e.g., **V.A.G 1332A - torque wrench, 40-200 Nm (30-148 ftlb.)**

Additional required tools for vehicles with central locking.

- **9794 - 9794 - Assembly aid**
- **9796 - 9796 - Socket wrench**
- Torque wrench, 150-800 Nm (111-592 ftlb.), e.g. **V.A.G 1601 - Torque wrench, 150-800 Nm (111-592 ftlb.)**

Check main wire harness**Information**

If the complaint can undoubtedly be limited to one side of the vehicle based on the fault memory entries, the main wire harness only needs to be checked on the affected side.

- Work Procedure:
- 1 Remove rear left and right wheels.
⇒ *Workshop Manual '440519A1 Remove and install wheel'*
or
⇒ *Workshop Manual '440519A3 Remove and install wheel with central bolt'*
 - 2 Remove rear left and right wheel housing liner.
⇒ *Workshop Manual '536919A4 Remove and install rear wheel housing liner'*
 - 3 Disconnect and expose wire harness ⇒ *Affected wire harness (shown on the left side of the vehicle) -1-* in the rear wheel housing on the left and right.
To do this, remove the tissue adhesive tape on the wire harness ⇒ *Affected wire harness (shown on the left side of the vehicle) -1-*.

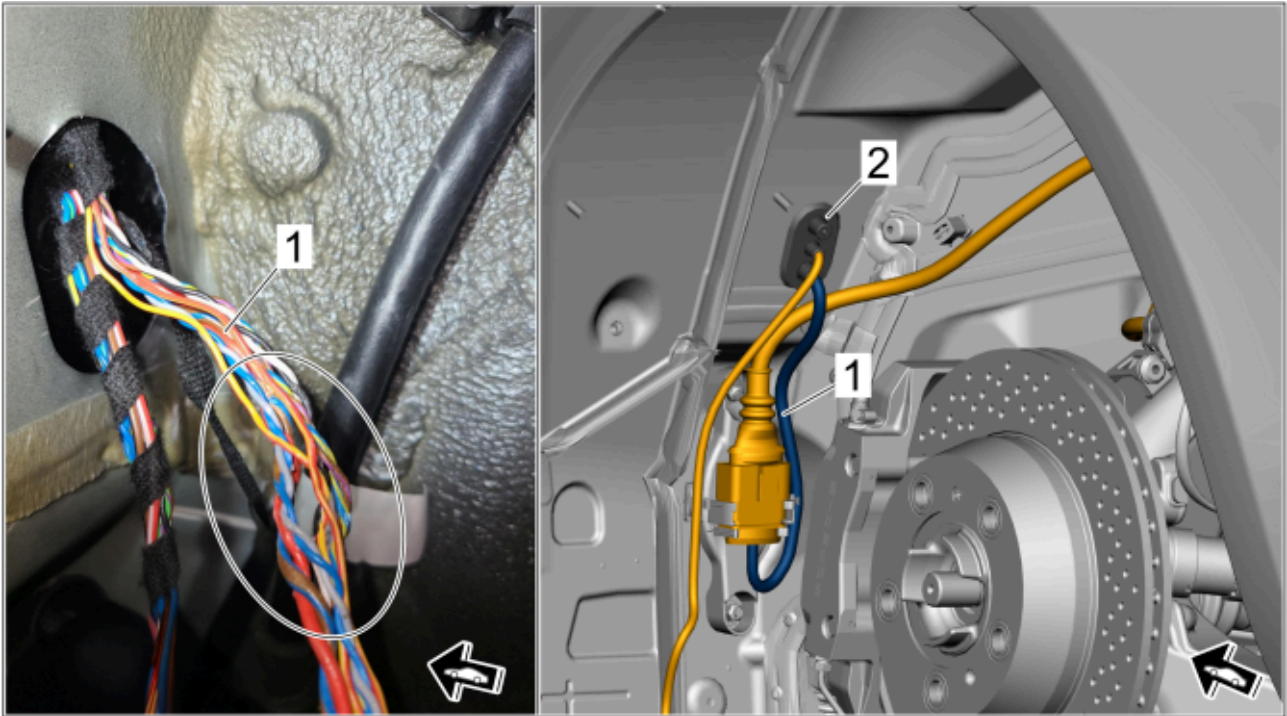
Check the individual electrical lines for cable breakage, crushing and other damage and if damaged repair ⇒ *Affected wire harness (shown on the left side of the vehicle) -Circle-* accordingly.

If necessary, also remove the rubber bushing ⇒ *Affected wire harness (shown on the left side of the vehicle) -2-* into the body passenger compartment.

**Information**

It is also possible that the wire harness inside the body is damaged and leads to the described fault pattern.

If no damage can be detected on the wiring harness, continue troubleshooting otherwise.



Affected wire harness (shown on the left side of the vehicle)

- 4 Install front right and left wheel housing liner.
⇒ Workshop Manual '536919A4 Remove and install rear wheel housing liner'
- 5 Install rear wheel at the left and right.
⇒ Workshop Manual '440519A1 Remove and install wheel'
or
⇒ Workshop Manual '440519A3 Remove and install wheel with central bolt'

Labor position and PCSS encryption -

Labor position:

APOS	Labor operation	I No.
97090141	Check left main wire harness	
97090142	Check right main wire harness	
97090143	Check left main wire harness (central lock)	
97090144	Check right main wire harness (central lock)	
97094140	Repair main wire harness	

PCSS encryption:

Location (FES5)	46620	Control unit for electric parking brake
Damage type (SA4)	1611	not functioning

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