

AKB4 Recall campaign - Reprogramming airbag control unit

Version 2

English (US)



> Important Legal Reminder



DEALERS ARE PROHIBITED BY FEDERAL LAW FROM SELLING CERTAIN VEHICLES WITH AN OPEN RECALL PRIOR TO REMEDYING THEM. DEALERS WHO KNOWINGLY SELL AFFECTED VEHICLES BEFORE REMEDY FACE POTENTIAL FEDERAL PENALTIES OF OVER \$22,000.00 PER VEHICLE SOLD AND MAY ALSO FACE STATE LAW PENALTIES. Dealers may also face potential litigation if an un-remedied vehicle is involved in a subsequent accident that causes an injury to vehicle occupants.

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Overview

There is a possibility that an airbag control unit with a capacitor for maintaining power supply, which is out of specification, may have been installed on the affected vehicles.

If the capacitor in the airbag control unit is out of specification, it could potentially trigger the airbags and/or seat-belt pretensioners in the vehicle unexpectedly or can prevent them from triggering.

To prevent this from happening, the airbag control unit must be programmed with new software, which contains an additional function for checking the power supply.

| | |
|-------------------|-------------------------------------------------------------------------------------------------------|
| Model type | Panamera (970) Boxster (981) 718 Boxster (982) Cayman (981) 718 Cayman (982) 911 (991) |
| Model year | 2016 - 2017 |
| Number | 7,515 |

General information about the new software for the airbag control unit:

The new software includes an additional check function for the power supply of the airbag control unit, which can be used to detect a faulty capacitor.

The following procedure is therefore used for processing this campaign (brief overview):

| General procedure | Result of check | Additional action required | Warranty processing |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------|
| Reprogram airbag control unit and check airbag warning light | <ul style="list-style-type: none"> No warning message in the instrument cluster and no fault memory entry "Airbag triggering unit faulty" (Fault code: C11005) is displayed | None | Scope 1 (valid for all model lines) |
| | <ul style="list-style-type: none"> Once the programming is complete, | Replace airbag control unit | Scope 2 – 5 or 10 (depending on model line) |

| General procedure | Result of check | Additional action required | Warranty processing |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|
| | permanent warning message in the instrument cluster and <ul style="list-style-type: none"> ▪ fault memory entry "Airbag triggering unit faulty" (Fault code: C11005) is displayed | | |

| Special case | Action required | Warranty processing |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------|
| <ul style="list-style-type: none"> ▪ Airbag warning light already active before the airbag control unit has been programmed and ▪ fault memory entry "Airbag triggering unit faulty" (Fault code: C11005) is displayed | Replacing airbag control unit Programming is no longer required in this case. | Scope 6 – 9 (depending on model line) |

Important Note:

The ACU will be checked during the reprogramming procedure for crash data. If there is any crash data stored on the ACU, the following information will be displayed on the PIWIS Tester: "Crash data is stored in the airbag control unit".

If this is found to be the case, please continue reprogramming by pressing **F8** (start) on the PIWIS Tester.

- If it is possible to reprogram the ACU, please follow the instructions on the PIWIS Tester and in the Technical Information.
- If it is **not** possible to reprogram the ACU, please replace the ACU and invoice the warranty claim scope 2-5, depending on the model type.

If the airbag control unit has to be replaced, a reprogramming of the airbag control unit with the campaign specific software 2045 or 3005 is not necessary anymore.

Extended warranty:

Vehicles affected by AKB4 will also be provided an extended warranty for the airbag control unit. The extended warranty will be displayed as an additional new vehicle warranty scope and contains the added information "Extended warranty airbag control unit" in the "coverage" section of PCSS.

For more information, please see PPN News "Extended warranty for the airbag control unit – vehicles affected by recall campaign AKB4".

Pre-owned vehicle sales:

A pre-owned vehicle with an open recall must not be used on public roads by a Porsche Dealer and therefore must not be handed over to customers. Likewise, a pre-owned car warranty can never be provided while a recall campaign is open.

Parts required (only if needed)

| Part No. | Designation | Quantity/vehicle | Parts return* |
|---------------------------------------|--------------------------------|-------------------------|----------------------|
| Vehicles up to model year 2017 | | | |
| 00004399094 | Airbag control unit (981, 991) | 1 unit | No |
| 00004399095 | Airbag control unit (970) | 1 unit | No |
| Vehicles as of model year 2017 | | | |
| 00004399037 | Airbag control unit (982, 991) | 1 unit | No |

*The parts must be stored until such a time as the **related warranty or campaign claim has been credited** in WWS. If a **barcode is generated** with the credit note, the affected part must be sent to Porsche AG as usual. If no barcode is generated with the credit note, the part can go directly into the genuine remanufactured parts process or be scrapped.

Parts Ordering Procedure (only if needed)

- Expected Airbag Control Unit part failure rate (determined after reprogramming) is approximately **1%**.
- In order to ensure a fair distribution of parts, dealers will need to upload a VAL showing fault C11005 after programming to their PQIS job prior to creating the PRMS parts request in order to release the part.
- If an active airbag light is illuminated when the vehicle arrives, a VAL upload showing fault code C11005 will be required for parts release.
- VINs on the VIN List with scopes 8 or 9 listed (highlighted) may be ordered via PRMS parts request, without VAL. These vehicles do not require Control Unit reprogramming prior to replacement.

Required software

| | |
|----------------------------------------|------------------------|
| PIWIS Tester 3 tester software version | 38.950.010 (or higher) |
|----------------------------------------|------------------------|

Warranty processing

Please enter the campaign that was carried out in the Warranty and Maintenance booklet for the vehicle.

Scope 1: Airbag control unit programmed with new software – all model lines

- **No warning message** in the instrument cluster and **no fault memory entry** "Airbag control unit faulty (Fault code: C11005)" is stored in the fault memory.

| | |
|-------------|-------------|
| Damage code | AKB4 99 000 |
|-------------|-------------|

| | |
|--------------|-------|
| Repair code | 1 |
| Working time | 81 TU |

Scope 2: Airbag control unit programmed with new software and airbag control unit then replaced.

- **Panamera (970)**

| | |
|--------------|-------------|
| Damage code | AKB4 99 000 |
| Repair code | 2 |
| Working time | 204 TU |

Scope 3: Airbag control unit programmed with new software and airbag control unit then replaced.

- **Boxster (981)/Cayman (981)**

| | |
|--------------|-------------|
| Damage code | AKB4 99 000 |
| Repair code | 2 |
| Working time | 224 TU |

Scope 4: Airbag control unit programmed with new software and airbag control unit then replaced.

- **718 Boxster (982)/718 Cayman (982)**

| | |
|--------------|-------------|
| Damage code | AKB4 99 000 |
| Repair code | 2 |
| Working time | 198 TU |

Scope 5: Airbag control unit programmed with new software and airbag control unit then replaced.

- **911 (991)**

- Vehicles up to model year 2017

| | |
|-------------|-------------|
| Damage code | AKB4 99 000 |
| Repair code | 2 |

| | |
|--------------|--------|
| Working time | 250 TU |
|--------------|--------|

Scope 6: Airbag control unit replaced

- **Panamera (970)**

| | |
|-------------|-------------|
| Damage code | AKB4 99 000 |
|-------------|-------------|

| | |
|-------------|---|
| Repair code | 2 |
|-------------|---|

| | |
|--------------|--------|
| Working time | 165 TU |
|--------------|--------|

Scope 7: Airbag control unit replaced

- **Boxster (981)/Cayman (981)**

| | |
|-------------|-------------|
| Damage code | AKB4 99 000 |
|-------------|-------------|

| | |
|-------------|---|
| Repair code | 2 |
|-------------|---|

| | |
|--------------|--------|
| Working time | 174 TU |
|--------------|--------|

Scope 8: Airbag control unit replaced

- **718 Boxster (982)/718 Cayman (982)**

| | |
|-------------|-------------|
| Damage code | AKB4 99 000 |
|-------------|-------------|

| | |
|-------------|---|
| Repair code | 2 |
|-------------|---|

| | |
|--------------|--------|
| Working time | 148 TU |
|--------------|--------|

Scope 9: Replacing airbag control unit (991)

- Vehicles on which the airbag control unit was replaced before the start of the campaign.

| | |
|-------------|-------------|
| Damage code | AKB4 99 000 |
|-------------|-------------|

| | |
|-------------|---|
| Repair code | 2 |
|-------------|---|

| | |
|--------------|--------|
| Working time | 185 TU |
|--------------|--------|

Scope 10: Airbag control unit programmed with new software and airbag control unit then replaced.

- **911 (991)**

- Vehicles as of model year 2017

| | |
|--------------|-------------|
| Damage code | AKB4 99 000 |
| Repair code | 2 |
| Working time | 235 TU |

Further information

| | |
|------------------------------------|---------------------------------------------|
| Work instruction | TI No. 99/19, Group 6, Service, AKB4 |
| Vehicle list and allocation | See Attached VIN List |
| Technical Information | See PCSS or the attached TI for reference |

[AKB4 VIN List.xlsx](#)

176.8 KB

(15 views)

[STB 6 99-19 AKB4 Re-programming Airbag](#)

[Control Unit.pdf](#)

341.0 KB

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