

**AMB3 – Replacing Seat Occupancy Detection System for Passenger Seat (Delivery Stop / Recall Campaign)**

Important: **CRITICAL WARNING** -This campaign includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document the actual voltage on the repair order.

Model Year: **2021**

Model Line: **911 Carrera (992)**

Equipment: Country equipment USA (C02)/Canada (C36)

Concerns: **Seat occupancy detection system for passenger seat**

Information: **Due to an incorrect parts list, the affected vehicles were installed with a passenger seat variant that is not approved for the affected market.**

As a result, it is possible that the electrical signal in the passenger seat is insufficient to correctly recognize certain occupants in the passenger seat. Under certain circumstances, this can interrupt triggering of the restraint systems on the passenger side. The airbag warning light or "Passenger Airbag OFF" light is activated in order to alert the driver.

Action required: Replace the seat occupancy detection system according to the campaign scope assigned to the respective vehicle.



**Information**

To find out which campaign scope is assigned to the respective vehicle for **replacing the seat occupancy detection system**, see PIWIS Vehicle Information.

- Scope 1: 18-way sports seat without fire extinguisher
- Scope 2: 14-way comfort seat without fire extinguisher
- Scope 3: 18-way sports seat with fire extinguisher
- Scope 4: 14-way comfort seat with fire extinguisher

The **part numbers** of the **parts required** for the respective vehicle are specified in the **assigned scope for "Replacing seat occupancy detection system for passenger seat"**.

For an overview of the campaign scopes, see: ⇒ *Technical Information 'Warranty processing'*

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

### Spare parts information



#### Information

When replacing the **components of the occupant classification system, all components included in the repair kit MUST be replaced:**

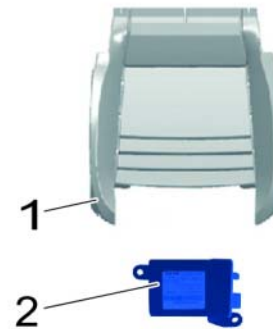
- 1 – Padding with affixed sensor mat
- 2 – Occupant classification control unit

A **mixed installation**, e.g. "old" padding and "new" control unit, is **not permitted**.

The padding with affixed sensor mat for the occupant classification system and the occupant classification control unit are calibrated together by the manufacturer and must therefore **only be replaced as a complete unit**.

The occupant classification control unit must **not** be coded.

The **sensor mat** for the occupant classification system must **not** be **removed** from the foam part.



*Contents of occupant classification system repair kit*

### Required tools

- Tools:
- Battery charger with a current rating of **at least 90 A** and - if required - **also with a current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 Battery charger, 90 A**
  - **9900 - PIWIS Tester 3**
  - **VAS 6095A Engine and gearbox bracket**
  - **VAS 6136 Seat repair stand**
  - **VAG 1634B Cushion clip pliers (or equivalent)**
  - Torque wrench 2 - 10 Nm (1.5 - 7.5 ftlb.), e.g. **VAG 1783 torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
  - Torque wrench, 6-50 Nm (4.5-37 ftlb.), e.g. **VAG 1331A Torque wrench, 6-50 Nm (4.5-37 ftlb.)**

**Replacing seat occupancy detection system**

Overview:



*Installation location for seat occupancy detection system*

**Work Procedure: 1 Preparatory work**

- 1.1 Disconnect the battery. ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*
- 1.2 Remove passenger seat. ⇒ *Workshop Manual '720119 Removing and installing front seat'*



**Information**

The **fastening screws** for the front seat **must be re-used in the opposite way to the procedure specified in the Workshop Manual**. It has been checked and approved for re-use one time only in this specific case.

- 1.3 Position passenger seat on assembly fixture. ⇒ *Workshop Manual '7201IN Mounting front seat on assembly fixture'*
- 1.4 Remove padding for front seat. ⇒ *Workshop Manual '741019 Removing and installing padding for front seat'*

**2 Replace seat occupancy detection system for passenger seat.**

- 2.1 Replace padding for front seat including sensor mat. ⇒ *Workshop Manual '741019 Removing and installing padding for front seat'*



**Information**

To ensure that the occupant classification works correctly, a variant of the padding with seat ventilation will be installed during this campaign even though the vehicle is not equipped with seat ventilation. This allows the new connection for the suction fan to remain free. In the event of a repeat repair, please use the same variant of padding with seat ventilation.

- 2.2 Replace occupant detection control unit. ⇒ *Workshop Manual '696855 Replacing occupant detection control unit'*

### 3 Concluding work

- 3.1 Remove passenger seat from the assembly fixture and install the passenger seat. ⇒ *Workshop Manual '720119 Removing and installing front seat'*
- 3.2 Connect the battery. ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*
- 3.3 Re-calibrate occupant detection control unit.  
For instructions, see: ⇒ *Workshop Manual '696855 Replacing occupant detection control unit'*.
- 3.4 On vehicles with seat memory on passenger's side, perform standardisation for seat motors.  
For instructions, see: ⇒ *Workshop Manual '729355 Replacing control unit for memory seat adjustment'*.

- 4 Enter the campaign in the Warranty and Maintenance booklet.

## Warranty processing



### Information

The working times specified were determined especially for the performance of this campaign and may deviate from the working times published in the catalog of operations contained in PIWIS.

Scope 1:

### 18-way sports seat without fire extinguisher

#### Working time:

Replacing seat occupancy detection system for passenger seat

Labor time: **231 TU**

Includes:

- Disconnecting and connecting battery
- Removing and installing passenger seat
- Removing and installing trim panel for seat
- Removing and installing cover for backrest
- Removing and installing padding for front seat
- Replacing padding for front seat
- Connecting and disconnecting PIWIS Tester
- Re-calibrating occupant detection control unit
- Standardising control unit for seat memory
- Reading out and erasing fault memories

**Parts required:**

992881256N	Seat occupancy detection repair kit	1 ea.
992898054A	Set of small parts	1 ea.

⇒ **AMB3 099 000 2**

Scope 2: **14-way comfort seat without fire extinguisher**

**Working time:**

Replacing seat occupancy detection system for passenger seat Labor time: **231 TU**

- Includes:
- Disconnecting and connecting battery
  - Removing and installing passenger seat
  - Removing and installing trim panel for seat
  - Removing and installing cover for backrest
  - Removing and installing padding for front seat
  - Replacing padding for front seat
  - Connecting and disconnecting PIWIS Tester
  - Re-calibrating occupant detection control unit
  - Standardising control unit for seat memory
  - Reading out and erasing fault memories

**Parts required:**

992881256K	Seat occupancy detection repair kit	1 ea.
992898054A	Set of small parts	1 ea.

⇒ **AMB3 099 000 2**

Scope 3: **18-way sports seat with fire extinguisher**

**Working time:**

Replacing seat occupancy detection system for passenger seat Labor time: **257 TU**

- Includes:
- Disconnecting and connecting battery
  - Removing and installing passenger seat
  - Removing and installing fire extinguisher
  - Removing and installing trim panel for seat
  - Removing and installing cover for backrest
  - Removing and installing padding for front seat
  - Replacing padding for front seat
  - Connecting and disconnecting PIWIS Tester
  - Re-calibrating occupant detection control unit
  - Standardising control unit for seat memory

Reading out and erasing fault memories

**Parts required:**

992881256N	Seat occupancy detection repair kit	1 ea.
992898054A	Set of small parts	1 ea.

⇒ AMB3 099 000 2

Scope 4:

**14-way comfort seat with fire extinguisher**

**Working time:**

Replacing seat occupancy detection system for passenger seat

Labor time: **257 TU**

Includes:

- Disconnecting and connecting battery
- Removing and installing passenger seat
- Removing and installing fire extinguisher
- Removing and installing trim panel for seat
- Removing and installing cover for backrest
- Removing and installing padding for front seat
- Replacing padding for front seat
- Connecting and disconnecting PIWIS Tester
- Re-calibrating occupant detection control unit
- Standardising control unit for seat memory
- Reading out and erasing fault memories

**Parts required:**

992881256K	Seat occupancy detection repair kit	1 ea.
992898054A	Set of small parts	1 ea.

⇒ AMB3 099 000 2

**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.

© 2021 Porsche Cars North America, Inc.