

AH02 - Replacing Seat Occupancy Detection System for Passenger Seat (Recall Campaign)

Revisions: **June 14, 2017**

This revision amends AH02 as follows:
Under Warranty Processing, Scopes 3, 4, 5, 6 & 7, the quantity for part number N 015 261 2 was changed from 15 to 22.

Model Year: **As of 2015 up to 2016**

Critical Warning: **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. Please refer to Equipment Information EQ1401 for a list of suitable battery chargers/power supplies which should be used to maintain vehicle voltage.

Model Line: **Macan**

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

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

Information: **Sensor mats for seat occupancy detection, on which the conductive fabric can break, were installed in the passenger seat on the affected vehicles.**

If the conductive fabric breaks, the front airbags on the passenger's side will be deactivated because correct seat occupancy detection can no longer be guaranteed. The airbag warning light or Passenger Airbag OFF light will be activated in order to alert the driver.

Remedial Action: 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 1-2: Comfort passenger seat
- Scope 3-7: Sport passenger seat
- Scope 8-11: Basic passenger seat

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 'AH0200 Warranty processing'*

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle information). This campaign affects 20,919 vehicles in North America.

Parts Info:

Ordering Required Parts

At this time an initial allocation of the required parts necessary to complete scopes 1, 3, 8, 9, and 10 of this repair will be automatically allocated to each dealer. Required parts for scopes 2, 4, and 11 are still in the manufacturing process and once available will be automatically allocated to each dealer. Please refrain from creating any PTEC/PAVs at this time.

Tools:

- Battery charger with a current rating of **at least 70 A**, e.g. INC-700 Schumacher 70 amp battery charger or VAS 5908 90 amp battery charger.
- **9900 - PIWIS Tester 3**
- **VAS 6095A - Engine and Gearbox Support**
- **VAS 6136 - Seat Repair Stand**
- **V.A.G 1634B - Cushion Clip Pliers**
- 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.)** or equivalent.
- Torque wrench, 6 - 50 Nm (4.5 - 37 ftlb.), e.g. **V.A.G 1331 - Torque wrench, 6-50 Nm (4.5-37 ftlb.)** or equivalent.

Replacing seat occupancy detection system for passenger seat

Overview:



Installation position of seat occupancy detection system for passenger seat

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'.*
- 1.3 Position passenger seat on assembly fixture ⇒ *Workshop Manual '7201IN Mounting front seat on assembly fixture'.*
- 1.4 Remove trim panel for seat ⇒ *Workshop Manual '721619 Removing and installing trim panel for seat'.*
- 1.5 Remove cover for backrest ⇒ *Workshop Manual '722619 Removing and installing cover for backrest'.*
- 1.6 Remove padding for front seat ⇒ *Workshop Manual '741019 Removing and installing padding for front seat'.*



Information

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

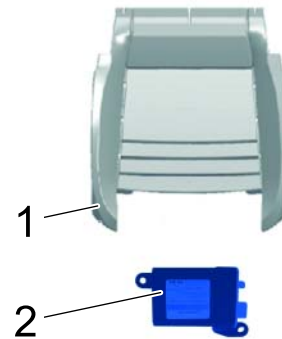
- 1 – Padding with affixed sensor mat
- 2 – Occupant classification control unit

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

2 Replace seat occupancy detection system for passenger seat.

- 2.1 Replace padding for front seat including sensor mat ⇒ *Workshop Manual '741055 Replacing padding for front seat'*.
- 2.2 Replace occupant detection control unit ⇒ *Workshop Manual '696819 Removing and installing occupant detection control unit'*.

3 Concluding work

- 3.1 Install padding for front seat ⇒ *Workshop Manual '741019 Removing and installing padding for front seat'*.
- 3.2 Install cover for backrest ⇒ *Workshop Manual '722619 Removing and installing cover for backrest'*.
- 3.3 Remove trim panel for seat ⇒ *Workshop Manual '721619 Removing and installing trim panel for seat'*.
- 3.4 Remove passenger seat from the assembly fixture and install the passenger seat ⇒ *Workshop Manual '720119 Removing and installing front seat'*.
- 3.5 Connect the battery ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*.
- 3.6 Re-calibrate occupant detection control unit. For instructions, see: ⇒ *Workshop Manual '696855 Replacing occupant detection control unit'*.

3.7 On vehicles with seat memory on passenger's side, perform standardization 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: Vehicles **with comfort seat and seat heating**

Working time:		
Replacing seat occupancy detection system for passenger seat		Labor time: 216 TU
Includes:	<ul style="list-style-type: none"> 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 Standardizing control unit for seat memory Reading out and erasing fault memories 	
Parts required:		
000 043 210 70	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	15 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*
<p>* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.</p> <p>⇒ Damage Code AH02 099 000 2</p>		

Scope 2: Vehicles **with comfort seat and seat heating/seat ventilation**

Working time:

Replacing seat occupancy detection system for passenger seat

Labor time: **216 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
 Standardizing control unit for seat memory
 Reading out and erasing fault memories

Parts required:

000 043 210 71	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	15 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 3: Vehicles **with 18-way sports seat (leather) and seat heating**

Working time:

Replacing seat occupancy detection system for passenger seat

Labor time: **216 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

Standardizing control unit for seat memory
 Reading out and erasing fault memories

Parts required:

000 043 210 75	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	22 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 4: Vehicles **with 18-way sports seat and seat heating/seat ventilation**

Working time:

Replacing seat occupancy detection system for passenger seat Labor time: **216 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
 - Standardizing control unit for seat memory
 - Reading out and erasing fault memories

Parts required:

000 043 210 76	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	22 ea.
N 038 501 3	Expansion rivet	2 ea.

AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*
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* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 5

Vehicles **with 8-way sports seat GTS (Alcantara) and seat heating****Working time:**

Replacing seat occupancy detection system for passenger seat Labor time: **216 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
- Standardizing control unit for seat memory
- Reading out and erasing fault memories

Parts required:

000 043 210 77	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	22 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 6:

Vehicles **with 8-way sports seat GTS (leather) and seat heating**

Working time:

Replacing seat occupancy detection system for passenger seat

Labor time: **216 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
 - Standardizing control unit for seat memory
 - Reading out and erasing fault memories

Parts required:

000 043 210 78	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	22 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 7:

Vehicles **with 18-way sports seat (Alcantara) and seat heating**

Working time:

Replacing seat occupancy detection system for passenger seat

Labor time: **216 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
 - Standardizing control unit for seat memory

Reading out and erasing fault memories

Parts required:

000 043 210 79	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	22 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 8: Vehicles **with basic seat (Alcantara) and seat heating**

Working time:

Replacing seat occupancy detection system for passenger seat Labor time: **188 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
- Standardizing control unit for seat memory
- Reading out and erasing fault memories

Parts required:

000 043 210 72	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	15 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 9: Vehicles **with basic seat (partial leather) and seat heating**

Working time:

Replacing seat occupancy detection system for passenger seat Labor time: **188 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
 - Standardizing control unit for seat memory
 - Reading out and erasing fault memories

Parts required:

000 043 210 73	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	15 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 10: Vehicles **with basic seat (leather) and seat heating**

Working time:

Replacing seat occupancy detection system for passenger seat

Labor time: **188 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
- Standardizing control unit for seat memory
- Reading out and erasing fault memories

Parts required:

000 043 210 74	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	15 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ **Damage Code AH02 099 000 2**

Scope 11: Vehicles **with basic seat (Alcantara) without seat heating**

Working time:

Replacing seat occupancy detection system for passenger seat

Labor time: **188 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
- Standardizing control unit for seat memory

Reading out and erasing fault memories

Parts required:

000 043 210 81	Seat occupancy detection repair kit	1 ea.
N 911 475 02	Fastening screws	4 ea.
N 015 261 2	Fastening clips	15 ea.
N 038 501 3	Expansion rivet	2 ea.
AH020000001	Tie-wrap, approx. 3.0 mm wide e.g. tie-wrap, Part No. 999 513 075 40	1 ea. (for warranty invoicing only)*

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⇒ **Damage Code AH02 099 000 2**

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