

**AG06 – Checking Connecting Links on Front Anti-roll Bar and Replacing if Necessary (Stop Sale/Recall campaign)**

Model line: **Macan (95B)**

Model Year: **2017**

Subject: **Connecting links on front anti-roll bar**

Issue: **There is a possibility that the front anti-roll bar on the affected vehicles was fitted with connecting links from a defective batch on which the mounting bushes can move out of the mounting eyes.**

This can cause rattling noises and can subsequently cause the anti-roll bar to stop working. If this happens, vehicle handling may be impaired, resulting in oversteering of the vehicle, for example.

Remedial action: Check connecting links (**lower**) on the front anti-roll bar and replace them if necessary.

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle information). This campaign affects 290 vehicles in North America.

**Parts required**

Parts Info: **NOTE: PARTS WILL NOT BE AUTOMATICALLY ALLOCATED TO YOUR DEALERSHIP. ALL PARTS MUST BE ORDERED VIA A PTEC/PAV.**

No parts are required for **checking** the connecting links (**Scope 1**).

Parts required for **replacing** the connecting links (**Scope 2-5**):

Part No.	Designation – Use	Qty.
4M0 411 317	⇒ Connecting link – Suspension/stabiliser	Max. 2 ea. * (only if required)
N 105 707 02	⇒ Hexagon-head bolt, AM 10 x 60 – Lower connecting link	Max. 2 ea. * (only if required)
N 106 999 01	⇒ Hexagon-head bolt, M10 x 45 – Upper connecting link	Max. 2 ea. * (only if required)
N 102 861 10	⇒ Hexagon nut, M10 – Lower connecting link	Max. 2 ea. * (only if required)

\* The number of parts actually required depends on the result of the check and can therefore vary.



### Information

On 15.09.2016, Porsche issued a parts blocking notification with the number 00885/2016 for the connecting links affected by this recall. Please make sure therefore that **no connecting links with a goods receipt date of 03.08.2016** are installed in vehicles.

The goods receipt date is shown as "**WE-Datum**" on the packaging label ⇒ *Checking goods receipt date for connecting link.*

If there are still connecting links with the goods receipt date 03.08.2016 in stock in the Porsche Centre, please send these back as **returns** specifying "**Recall campaign**" as the reason for return and quoting the **blocking notification number 00885/2016**.



*Checking goods receipt date for connecting link*

## Required tools

Tools: Tool required for **checking the connecting links**:

- Flashlight

Additional tool required if the **connecting link has to be replaced**:

- Electronic torque wrench with angle control, 2 - 100 Nm (1.5 - 74 ftlb.), e.g. **9768 - Electronic torque wrench, 2 - 100 Nm (1.5 - 74 ftlb.)**
- **9900 - PIWIS Tester 3** or **9818 - PIWIS Tester II**

## Checking connecting links on front anti-roll bar

Procedure:

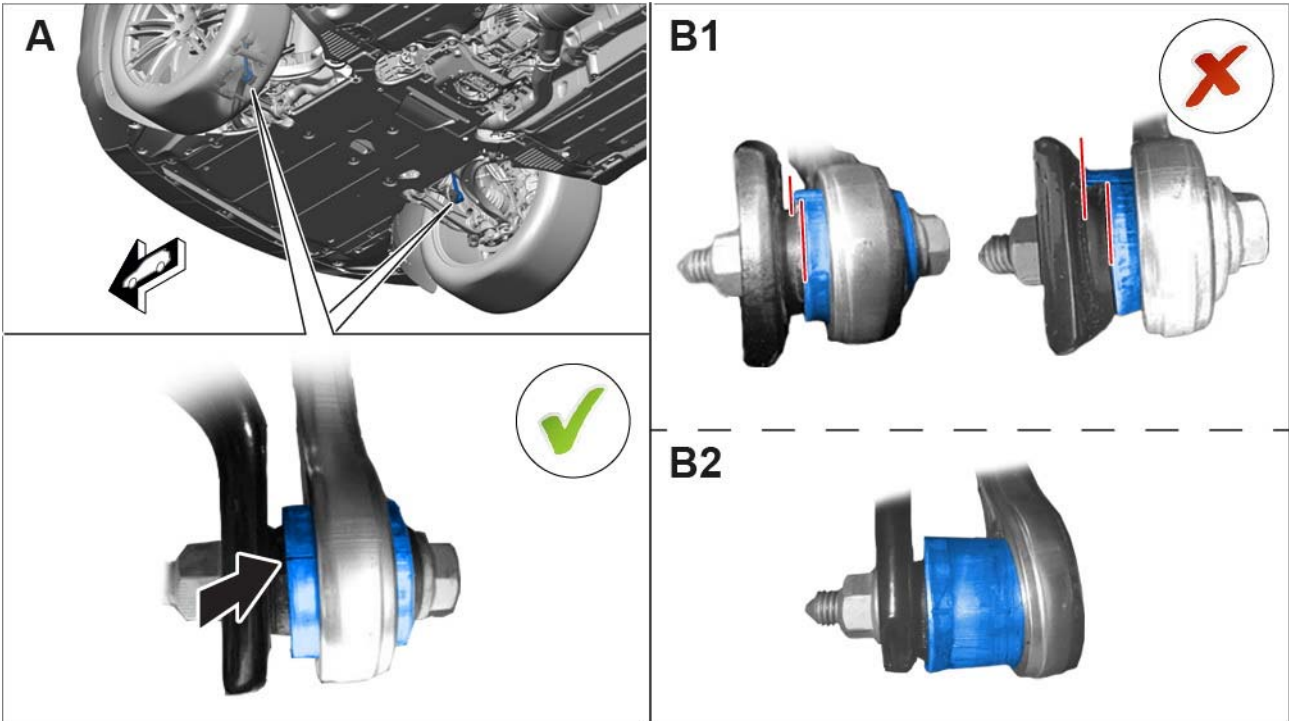


### Information

The procedure described here for checking the connecting links on the left-hand side of the vehicle must be carried out on the **left and right-hand side of the vehicle**.

- 1 Raise the vehicle on a lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.

- With the steering turned fully to the left or right, perform a visual inspection using a flashlight and check whether the mounting bush (**lower**) ⇒ *Visual inspection of connecting link -arrow-* has moved out of the mounting eye on the connecting link.



*Visual inspection of connecting link*

**Result of check:**

- (✓) - If the **ends of the mounting bush (lower) are flush** and if the mounting bush is fitted as shown ⇒ *Visual inspection of connecting link -Fig. A, arrow-*, the connecting link is OK ⇒ End of check. Continue with Step 3.

- (X) - If the **ends of the mounting bush (lower) are offset** (⇒ *Visual inspection of connecting link -Fig. B1-*) or if the mounting bush has already become **detached** from the mounting eye on the connecting link ⇒ *Visual inspection of connecting link -Fig. B2-*, the **connecting link must be replaced**. To do this, continue with ⇒ *Technical Information '4X00IN Replacing connecting link on anti-roll bar'*.

- Lower the vehicle and remove it from the lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
- Enter the campaign in the Warranty and Maintenance booklet.

**End of remedial action.**

For warranty processing, see ⇒ *Technical Information '4X00IN Warranty processing', Scope 1..*

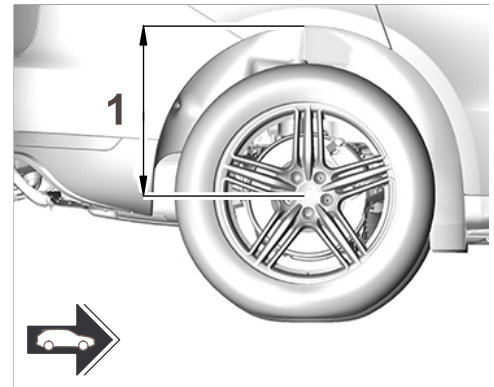
References: ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*

## Replacing connecting link on anti-roll bar



### Information

- On vehicles with air springs, the relevant air spring must be emptied using the Porsche System Tester ⇒ *Workshop Manual '4301IN Bleeding and filling the levelling system'*.
- The entire threaded parts of the axle must be tightened in vehicle position. Vehicle position means: vehicle standing on the wheels, or the wheel suspension is raised with a universal vehicle lift. Dimension ⇒ *Dimension 1 - centre of wheel to lower edge of wing (rear axle shown) -1-*, from lower edge of wing to centre of axle corresponds to vehicle position. The current height can be found in ⇒ *Workshop Manual '4495TW Adjustment values for suspension alignment'*. Always observe the following points.



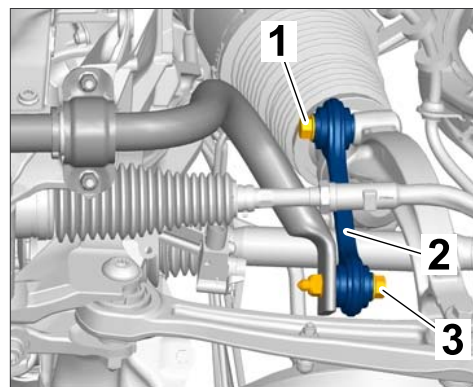
*Dimension 1 - centre of wheel to lower edge of wing (rear axle shown)*

- The required vehicle position can be set by carefully raising the relevant wheel or wheel carrier.
- Use an intermediate layer (hard rubber)! Do not damage the brake cover plate.
- Fastening screws and fastening nuts are Geomet-coated and must not be greased.

5 Unscrew fastening screws ⇒ *Mounting for connecting link -1 and 3-* on the connecting link ⇒ *Mounting for connecting link -2-*.

6 Position the new connecting link ⇒ *Mounting for connecting link -2-* on the anti-roll bar and shock absorber fork and secure with the fastening screws ⇒ *Mounting for connecting link -1 and 3-* using the **two-step tightening procedure**:

- Step 1 – **Initial tightening: Tightening torque 40 Nm (30 ftlb.)**
- Step 2 – **Final tightening: Torque angle 90°**



*Mounting for connecting link*

7 Lower the vehicle and remove it from the lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.

8 Enter the campaign in the Warranty and Maintenance booklet.

**End of action required.**

For warranty processing, see ⇒ *Technical Information '4X00IN Warranty processing', Scope 2-5.*

- References:
- ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*
  - ⇒ *Workshop Manual '4495TW Adjustment values for suspension alignment'*
  - ⇒ *Workshop Manual '4301IN Bleeding and filling the levelling system'*

**Warranty Invoicing**



**Information**

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

Scope 1: Scope 1 must be invoiced if **both connecting links are OK**.

**Working time:**

Checking connecting links on front anti-roll bar

Labor time: **17 TU**

Includes: Raising and lowering the vehicle on the lifting platform

**Invoicing:** ⇒ **Damage Code AG06 99 000, Repair Code 1**

Scope 2: Scope 2 must be invoiced if **one connecting link was replaced**.

**Only** for the following vehicle variants:

- Vehicles with **standard suspension/damping (I-no. 1BA)**

- Vehicles with **standard suspension/damping with PASM (I-no. 1BH)**

**Working time:**

Checking and replacing connecting links on front anti-roll bar

Labor time: **52 TU**Includes: Raising and lowering the vehicle on the lifting platform  
Removing and installing connecting link**Parts required:**

4M0 411 317	Connecting link	1 ea.
N 105 707 02	Hexagon-head bolt, AM 10 x 60	1 ea.
N 106 999 01	Hexagon-head bolt, M10 x 45	1 ea.
N 102 861 10	Hexagon nut, M10	1 ea.

**Invoicing:** ⇒ Damage Code AG06 99 000, Repair Code 2Scope 3: Scope 3 must be invoiced if **both connecting links were replaced**.**Only** for the following vehicle variants:

- Vehicles with **standard suspension/damping (I-no. 1BA)**
- Vehicles with **standard suspension/damping with PASM (I-no. 1BH)**

**Working time:**

Checking and replacing connecting links on front anti-roll bar

Labor time: **67 TU**Includes: Raising and lowering the vehicle on the lifting platform  
Removing and installing connecting links**Parts required:**

4M0 411 317	Connecting link	2 ea.
N 105 707 02	Hexagon-head bolt, AM 10 x 60	2 ea.
N 106 999 01	Hexagon-head bolt, M10 x 45	2 ea.
N 102 861 10	Hexagon nut, M10	2 ea.

**Invoicing:** ⇒ Damage Code AG06 99 000, Repair Code 2Scope 4: Scope 4 must be invoiced if **one connecting link was replaced**.**Only** for the following vehicle variants:

- Vehicles with **air suspension incl. PASM (I-no. 1BK)**

**Working time:**

Checking and replacing connecting links on front anti-roll bar Labor time: **66 TU**  
 Includes: Raising and lowering the vehicle on the lifting platform  
 Removing and installing connecting link  
 Bleeding and filling the levelling system

**Parts required:**

4M0 411 317	Connecting link	1 ea.
N 105 707 02	Hexagon-head bolt, AM 10 x 60	1 ea.
N 106 999 01	Hexagon-head bolt, M10 x 45	1 ea.
N 102 861 10	Hexagon nut, M10	1 ea.

**Invoicing:** ⇒ Damage Code AG06 99 000, Repair Code 2

Scope 5: Scope 5 must be invoiced if **both connecting links were replaced**.

**Only** for the following vehicle variants:

- Vehicles with **air suspension incl. PASM (I-no. 1BK)**

**Working time:**

Checking and replacing connecting links on front anti-roll bar Labor time: **80 TU**  
 Includes: Raising and lowering the vehicle on the lifting platform  
 Removing and installing connecting links  
 Bleeding and filling the levelling system

**Parts required:**

4M0 411 317	Connecting link	2 ea.
N 105 707 02	Hexagon-head bolt, AM 10 x 60	2 ea.
N 106 999 01	Hexagon-head bolt, M10 x 45	2 ea.
N 102 861 10	Hexagon nut, M10	2 ea.

Invoicing: ⇒ Damage Code AG06 99 000, Repair Code 2

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