

WNK5 - Exchanging Spreader Device (Actuator) (Workshop 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: **As of 2021 up to 2022**

Model Series: **718 (982)**

Equipment: Manual transmission (M-No. 480)

Concerns: **Spreader device (actuator)**

Information: **There is a possibility that the spreader device (actuator) for the electric parking brake (EPB) does not meet the required specifications on the affected vehicles.**
 If this is the case, cup springs can potentially break in the spreader device over a longer service life, and this can result in function restrictions when the electric parking brake is actuated.

- Action required:
- **Scope 1 and 2:** Exchanging left spreader device (actuator)
 - **Scope 3 and 4:** Exchanging left and right spreader devices (actuator)



Information

Every vehicle is assigned **exactly one** campaign scope.
 To learn which scope is assigned to the vehicle, see PCSS Vehicle Information.

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

Required parts and materials



Information

Please note that the **installation position** (left / right) of the spreader device **can vary between the model series.**

Part No.: **Only valid for vehicles with Scope 1 and 2**

Part No.	Designation - Location	Quantity
V04015004AC	⇒ Spreader device (actuator) - Left	1 piece
9A700704400	⇒ Fit bolt - Actuator mount	2 pieces
N 10456004	⇒ Internal hexagon round countersunk screw, self-locking - Brake disc mount	2 pieces

Additionally required for vehicles with Scope 1

99907340201	⇒ Cheese head bolt (M12 x 1.5 x 72) - Brake calliper mount	2 pieces
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Additionally required for vehicles with Scope 2

9A700758500	⇒ Cheese head bolt (M12 x 1.5 x 85) - Brake calliper mount	2 pieces
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Only valid for vehicles with Scope 3 and 4

Part No.	Designation - Location	Quantity
V04015004AC	⇒ Spreader device (actuator) - Left	1 piece
V04015004AB	⇒ Spreader device (actuator) - Right	1 piece
9A700704400	⇒ Fit bolt - Actuator mount	4 pieces
N 10456004	⇒ Internal hexagon round countersunk screw, self-locking - Brake disc mount	4 pieces

Additionally required for vehicles with Scope 3

99907340201	⇒ Cheese head bolt (M12 x 1.5 x 72) - Brake calliper mount	4 pieces
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Additionally required for vehicles with Scope 4

9A700758500 ⇒ Cheese head bolt (M12 x 1.5 x 85) 4 pieces
 - Brake calliper mount

Required tool

- Tools:
- Torque spanner, 2-10 Nm (1.5-7.5 ftlb.), e.g. **V.A.G 1783 - torque spanner, 2-10 Nm (1.5-7.5 ftlb.)**
 - Torque spanner, 6-50 Nm (4.5-37 ftlb.) e.g. **V.A.G 1331A - torque spanner, 6-50 Nm (4.5-37 ftlb.)**
 - Torque spanner, 40–200 Nm (30–148 ftlb.), e.g. **V.A.G 1332A - torque spanner, 40-200 Nm (30-148 ftlb.)**
 - **9900 - PIWIS Tester 3/ 4**
 - Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 battery charger 90A**
 - Mounting bolts (wheel assembly)

Exchanging spreader device (actuator)



Information

Depending on which scope is assigned to the vehicle, the spreader device (actuator) must be exchanged **either on one side, or on both sides**.

To find out which scope is assigned to the vehicle, see PCSS Vehicle Information.

Work Procedure:



Information

The **PIWIS Tester** instructions take precedence and in the event of a discrepancy, these are the instructions that must be followed. Deviations may occur with later software versions.

- 1 Move rear brake into installation position.
 - 1.1 Connect the **PIWIS Tester** to the vehicle and start it.
 - 1.2 Select '**Parking brake**' in the control unit overview.
 - 1.3 Select '**Maintenance/repairs**'.
 - 1.4 Select '**Move to installation position**' and execute.
- 2 Move the vehicle onto a lifting platform and raise it. ⇒ *Workshop Manual '4X00IN Raising the vehicle'*
- 3 Remove rear wheel on the affected side. ⇒ *Workshop Manual '440519 Removing and fitting wheel'*
- 4 Remove parking brake shoes. ⇒ *Workshop Manual '468320 Removing and installing parking brake shoes'*

- 5 Remove spreader device (actuator). ⇒ *Workshop Manual '468519 Removing and installing spreader device (actuator)'*
- 6 Install new spreader device (actuator). ⇒ *Workshop Manual '468519 Removing and installing spreader device (actuator)'*
- 7 Confirm new actuator in PIWIS Tester.
 - 7.1 Connect the **PIWIS Tester** to the vehicle and start it.
 - 7.2 Select '**Parking brake**' in the control unit overview.
 - 7.3 Select '**Maintenance/repairs**'.
 - 7.4 Confirm '**Actuator replacement**' and execute.
- 8 Install parking brake shoes. ⇒ *Workshop Manual '468320 Removing and installing parking brake shoes'*
- 9 Re-fit wheel. ⇒ *Workshop Manual '440519 Removing and fitting wheel'*
- 10 Remove the vehicle from the lifting platform. ⇒ *Workshop Manual '4X00IN Lift vehicle'*
- 11 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing



Information

The specified labor times were determined specifically for carrying out this campaign and include all necessary preliminary and subsequent rework. The labor times may differ from the labor times published in the Labor Operation List in PCSS.

Scope 1: **Exchanging left spreader device (actuator)**

Applies to vehicles

- **without** Porsche Ceramic Composite Brake (PCCB)
- **except** 718 GTS 4.0, 718 GT4, 718 GT4 RS and 718 Spyder

Labor time:

Exchanging left spreader device (actuator)

Labor time: **126 TU**

- Includes:
- Raising and lowering the vehicle on the lifting platform
 - Removing and installing rear left wheel
 - Removing and installing rear left parking brake shoes
 - Connecting and disconnecting battery charger
 - Connecting and disconnecting PIWIS Tester

Required parts:

V04015004AC	Left spreader device (actuator)	1 piece
9A700704400	Fit bolt	2 pieces
N 10456004	Internal hexagon round countersunk screw, self-locking	2 pieces
99907340201	Cheese head bolt (M12 x 1.5 x 72)	2 pieces

⇒ **Damage code WNK5 066 000 2**

Scope 2:

Exchanging left spreader device (actuator)

Applies to vehicles

- **with** Porsche Ceramic Composite Brake (PCCB), **M-No. 450**
- **718 GTS 4.0, 718 GT4, 718 GT4 RS and 718 Spyder**

Labor time:

Exchanging left spreader device (actuator)

Labor time: **126 TU**

- Includes:
- Raising and lowering the vehicle on the lifting platform
 - Removing and installing rear left wheel
 - Removing and installing rear left parking brake shoes
 - Connecting and disconnecting battery charger
 - Connecting and disconnecting PIWIS Tester

Required parts:

V04015004AC	Left spreader device (actuator)	1 piece
9A700704400	Fit bolt	2 pieces
N 10456004	Internal hexagon round countersunk screw, self-locking	2 pieces
9A700758500	Cheese head bolt (M12 x 1.5 x 85)	2 pieces

⇒ **Damage code WNK5 066 000 2**

Scope 3: **Exchanging left and right spreader devices (actuator)****Applies to vehicles**

- **without** Porsche Ceramic Composite Brake (PCCB)
- **except** 718 GTS 4.0, 718 GT4, 718 GT4 RS and 718 Spyder

Labor time:

Exchanging left and right spreader devices (actuator)

Labor time: **192 TU**

Includes: Raising and lowering the vehicle on the lifting platform
 Removing and installing rear wheels
 Removing and installing rear parking brake shoes
 Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester

Required parts:

V04015004AC	Left spreader device (actuator)	1 piece
V04015004AB	Right spreader device (actuator)	1 piece
9A700704400	Fit bolt	4 pieces
N 10456004	Internal hexagon round countersunk screw, self-locking	4 pieces
99907340201	Cheese head bolt (M12 x 1.5 x 72)	4 pieces

⇒ **Damage code WNK5 066 000 2**Scope 4: **Exchanging left and right spreader devices (actuator)****Applies to vehicles**

- **with** Porsche Ceramic Composite Brake (PCCB), **M-No. 450**
- **718 GTS 4.0, 718 GT4, 718 GT4 RS and 718 Spyder**

Labor time:

Exchanging left and right spreader devices (actuator)

Labor time: **192 TU**

Includes: Raising and lowering the vehicle on the lifting platform
 Removing and installing rear wheels
 Removing and installing rear parking brake shoes
 Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester

Required parts:

V04015004AC	Left spreader device (actuator)	1 piece
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V04015004AB	Right spreader device (actuator)	1 piece
9A700704400	Fit bolt	4 pieces
N 10456004	Internal hexagon round countersunk screw, self-locking	4 pieces
9A700758500	Cheese head bolt (M12 x 1.5 x 85)	4 pieces

⇒ **Damage code WNK5 066 000 2**

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