

WNK6 - Replacing 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 Line: **718 (982)**

Equipment: Porsche Doppelkupplung PDK (M-No. 250)

Concerns: **Spreader device (actuator)**

Cause: **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, over a long service life, can potentially break in the spreader device and this can result in function restrictions when the electric parking brake is actuated.

- Action required:
- **Scope 1 to 3:** Replacing left spreader device (actuator)
 - **Scope 4 to 6:** Replacing 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.



Information

The **required parts** for the respective vehicle can be seen in the **assigned scope**. For an overview of the campaign scopes, see: ⇒ *Technical Information 'Warranty processing'*

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

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

Required tools

- 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 90 A**
 - Mounting bolts (wheel assembly)

Replacing spreader device (actuator)



Information

Depending on which scope is assigned to the vehicle, the spreader device (actuator) must be replaced **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 vehicle'*
- 3 Remove rear wheel on the affected side. ⇒ *Workshop Manual '440519 Removing and installing 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-install wheel. ⇒ *Workshop Manual '440519 Removing and installing wheel'*
- 10 Remove the vehicle from the lifting platform. ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*
- 11 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing



Information

The specified labor time was determined specifically for carrying out this campaign and includes all necessary preliminary work and rework.

The labor time may differ from the working times published in the Labor Operation List in the PCSS.

Scope 1: **Replacing 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:

Replacing 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

Parts required:

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

⇒ Damage code WNK6 066 000 2

Scope 2: **Replacing left spreader device (actuator)**

Applies to vehicles

- **718 25 Years of Boxster Edition, 718 GTS 4.0, 718 GT4, 718 GT4 RS and 718 Spyder**

Labor time:

Replacing 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

Parts required:

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

⇒ Damage code WNK6 066 000 2

Scope 3: **Replacing left spreader device (actuator)**

Applies to vehicles

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

Labor time:

Replacing 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

Parts required:

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

⇒ **Damage code WNK6 066 000 2**

Scope 4: **Replacing 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:

Replacing 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

Parts required:

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

⇒ **Damage code WNK6 066 000 2**

Scope 5: **Replacing left and right spreader devices (actuator)**

Applies to vehicles

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

Labor time:

Replacing 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

Parts required:

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

⇒ **Damage code WNK6 066 000 2**

Scope 6: **Replacing left and right spreader devices (actuator)**

Applies to vehicles

- **718 GT4 RS**

Labor time:

Replacing 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

Parts required:

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

⇒ **Damage code WNK6 066 000 2**

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