

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: **Cayenne (9YA / 9YB)**

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

Action required: Replace 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

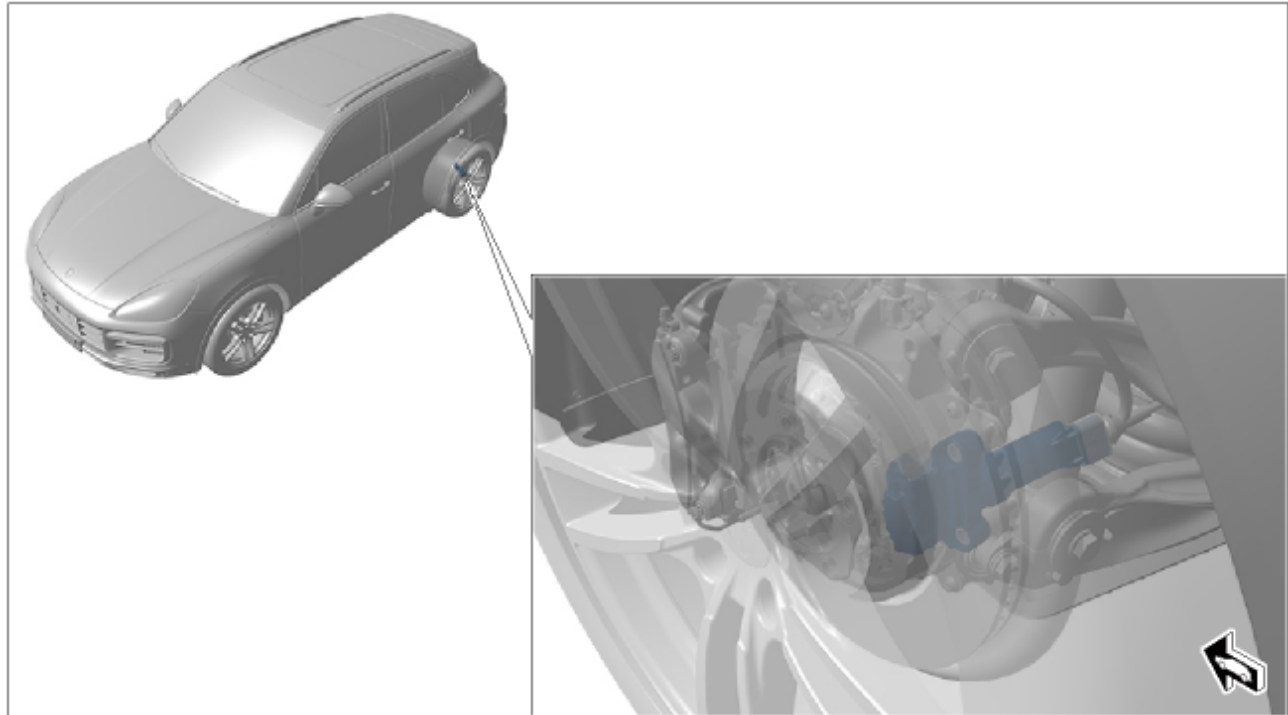
The **required parts** for the respective vehicle can be seen in the **assigned scope**. For an overview of the campaign scopes, see: ⇒ *Technical Information 'Warranty processing'*

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).

Installation

Position:



Installation position spreader device (actuator)

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)

- Work Procedure:
- 1 Remove the spreader device (actuator) on the left and right.
For this, see ⇒ *Workshop Manual '468519 Removing and installing spreader device'*
 - 2 Install **new** spreader device (actuator) on the left and right.
For this, see ⇒ *Workshop Manual '468519 Removing and installing spreader device'*

- 3 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 - 27: Not relevant for this vehicle type.

Scope 28: **Replacing left and right spreader devices (actuator)**

Applies to vehicles

- with **Porsche Ceramic Composite Brake – PCCB (M No. 1KI / 1KK / 2EU)**

Labor time:

Replacing left and right spreader devices (actuator) Labor time: **199 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:

V04015004AE	Left spreader device (actuator)	1 pc(s)
V04015004AD	Right spreader device (actuator)	1 pc(s)
WHT005378	Cheese head bolt with multiple-tooth head	4 pc(s)
N 10456004	Internal hexagon round countersunk screw, self-locking	4 pc(s)
N 91252201	Cheese head bolt (M12 x 1.5 x 130)	4 pc(s)

⇒ **Damage code WNK6 066 000 2**

Scope 29: **Replacing left and right spreader devices (actuator)**

Applies to vehicles

- with **rear disc brakes 19" or 18" with two pistons (M-no. 1KS, 1KU, 2EI, 2EN, 2EQ, 2ES, 2EV)**
- **without** Porsche Ceramic Composite Brake (PCCB)

Labor time:

Replacing left and right spreader devices (actuator)

Labor time: **199 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:

V04015004AE	Left spreader device (actuator)	1 pc(s)
V04015004AD	Right spreader device (actuator)	1 pc(s)
WHT005378	Cheese head bolt with multiple-tooth head	4 pc(s)
N 10456004	Internal hexagon round countersunk screw, self-locking	4 pc(s)
PAF911837	Cheese head bolt (12 x 1.5 x 115)	4 pc(s)

⇒ Damage code WNK6 066 000 2

Scope 30:

Replacing left and right spreader devices (actuator)**Applies to vehicles**

- with rear disc brakes 18" with four pistons (M-no. 1KX, 1KV, 1KZ, 1KR)
- without Porsche Ceramic Composite Brake (PCCB)

Labor time:

Replacing left and right spreader devices (actuator)

Labor time: **199 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:

V04015004AE	Left spreader device (actuator)	1 pc(s)
V04015004AD	Right spreader device (actuator)	1 pc(s)
WHT005378	Cheese head bolt with multiple-tooth head	4 pc(s)
N 10456004	Internal hexagon round countersunk screw, self-locking	4 pc(s)

9A700758500

Cheese head bolt (12 x 1.5 x 85)

4 pc(s)

⇒ Damage code WNK6 066 000 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.

© 2023 Porsche Cars North America, Inc.