

**AKB1 – Replacing Plastic Bushing on the Selector Lever Cable (Recall Campaign)**

Model Line: **Cayenne (9PA)  
Panamera (970)**

Model Year: **As of 2003 up to 2016**

Equipment: Porsche Doppelkupplung (PDK) (I-no. 250) – Panamera (970)  
6-speed automatic transmission, Tiptronic S (I-no. GOR) – Cayenne (9PA)

Subject: **Selector lever cable**

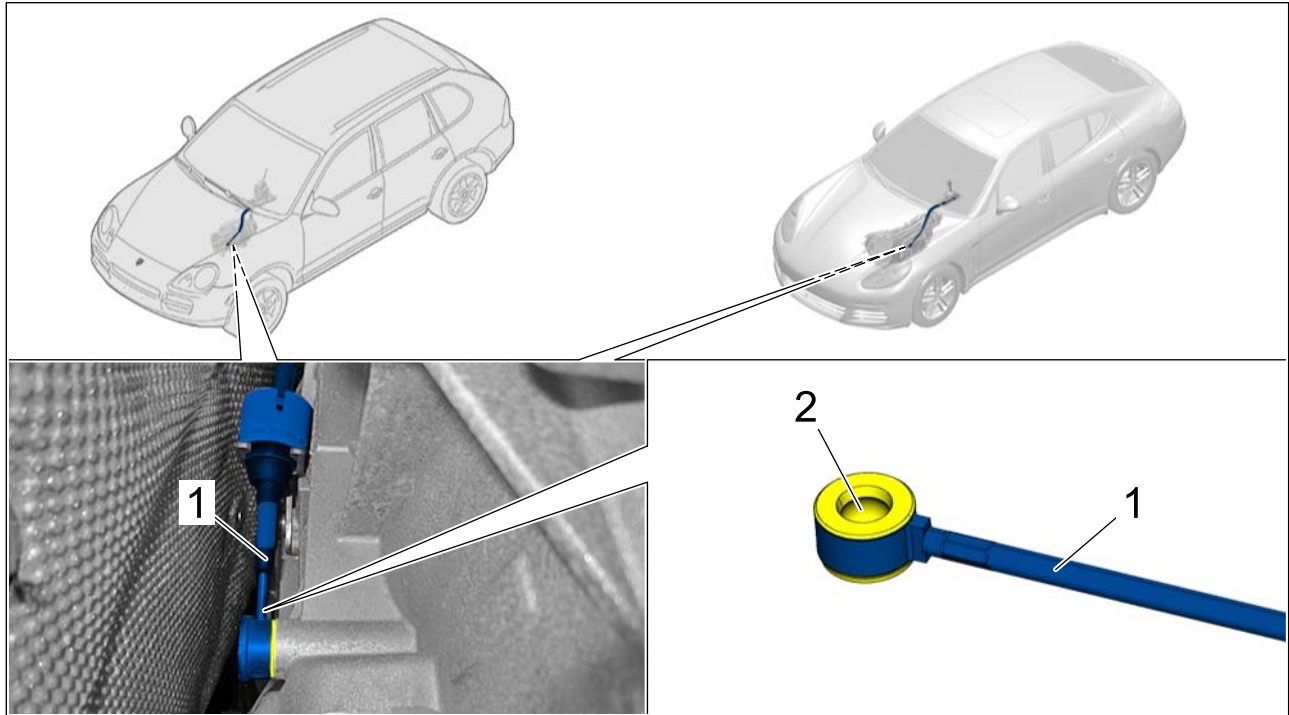
Information: **Due to insufficient strength of the material of a plastic bushing for the selector lever cable, the durability of the cable cannot be guaranteed over the service life of the vehicle.**

If the plastic bushing breaks, the resulting play can result in an impaired connection between the selector lever and transmission. As a result, the transmission range selected may not be correctly engaged.

Remedial Action: Replace plastic bushing on selector lever cable with an optimised plastic bushing.

Affected Vehicles: Only the vehicles assigned to the campaign (see also PCSS Vehicle Information). This campaign affects 99,665 vehicles in North America.

Installation  
position:



Overview of installation position of plastic bushing

- 1 – Selector lever cable
- 2 – Plastic bushing (**replace**)

### Parts required

Parts Info:	Part No.	Designation	Qty.
	00004330453	⇒ Plastic bushing (ball socket)	1 ea.

### Required materials and tools

Materials: **Required materials** (usually already available in the Porsche Centre):

Part No.	Designation	Qty.
...	Grease* e.g. 00004320593 Lubricant (Klueberplus S 06-100)	approx. 1 g required per vehicle

\* For warranty invoicing, enter the Part No. **AKB10000001**, "expendable items" designation, as an **additional part** costing USD \$0.19.

- Tools:
- VAS 6933 — Snap-On tool A177A or equivalent clip removal tool
  - Utility knife
  - Commercially available water pump pliers
  - Plastic wedge

## Replacing plastic bushing on the selector lever cable (Cayenne)

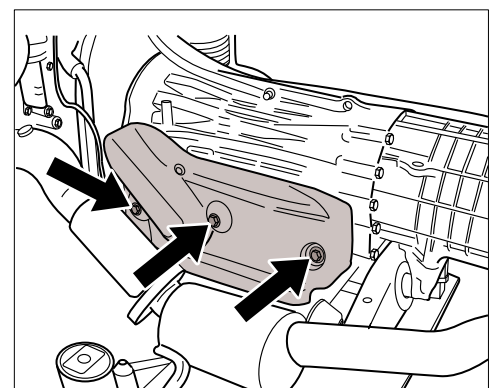
- Work Procedure: 1 Raise the vehicle on a lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
- 2 Move selector lever to position "D".
- 2.1 Insert ignition key into the ignition lock.
  - 2.2 Actuate the service brake.
  - 2.3 Start the engine.
  - 2.4 Move selector lever to position "D". "D" appears in the instrument cluster.
  - 2.5 Switch off engine.



### Hot components

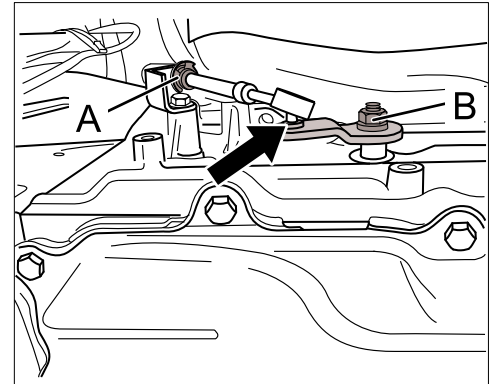
- Risk of burns
- ⇒ Let hot components cool down.
- ⇒ Wear personal protective gear.

- 3 Disengage selector lever cable at the transmission lever.
- 3.1 **Cayenne Turbo only:** Remove heat shield on the transmission. To do this, unscrew three fastening screws ⇒ *Heat shield on transmission, left -arrow-*.



*Heat shield on transmission, left*

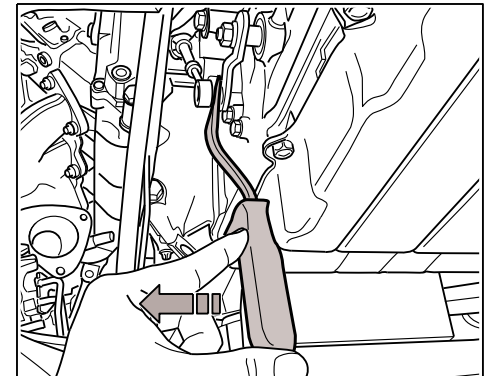
- 3.2 Remove tab washer ⇒ *Connecting selector lever cable to transmission -A-* on the cable.



*Connecting selector lever cable to transmission*

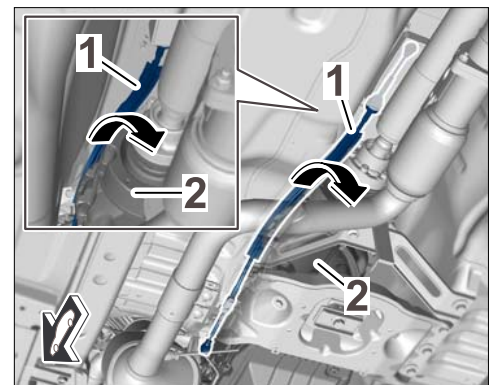
- 3.3 Detach selector lever cable from the ball joint using **VAS 6933 - disassembly tool**.

- 4 Replace plastic bushing on the selector lever cable.



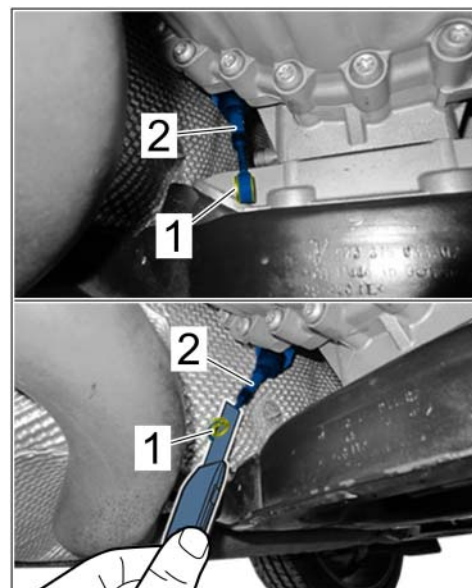
*Disconnecting selector lever cable from transmission*

- 4.1 Guide selector lever cable ⇒ *Disengaging selector lever cable -1-* past the left side of the transmission ⇒ *Disengaging selector lever cable -2-* (⇒ *Disengaging selector lever cable -arrow-*) and pull it to the rear towards the transmission support.



*Disengaging selector lever cable*

- 4.2 Cut off plastic bushing ⇒ *Removing plastic bushing -1-* at the pendulum joint ⇒ *Removing plastic bushing -2-* using a utility knife on the side of the opening as shown.
- 4.3 Press plastic bushing out of the pendulum joint.



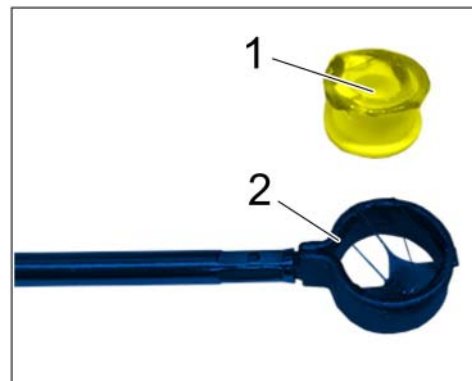
*Removing plastic bushing*

- 4.4 Clean the bore on the pendulum joint ⇒ *Cleaning bore on pendulum joint -arrow- thoroughly* using a clean, lint-free cloth.



*Cleaning bore on pendulum joint*

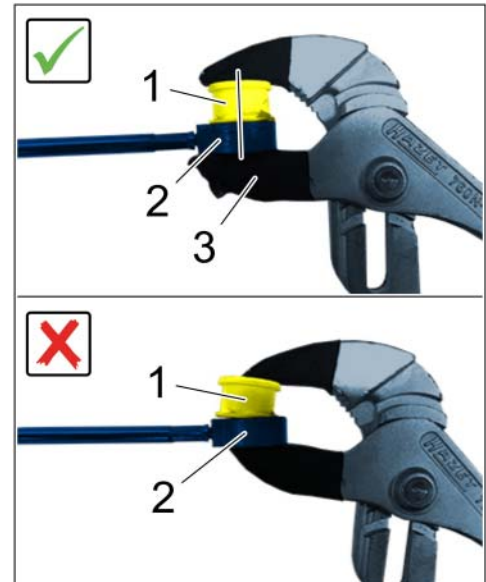
- 4.5 Coat new plastic bushing all the way around with grease ⇒ *Coating bore and new plastic bushing -1-*. **Make sure that no grease gets into the inner area** of the plastic bushing.
- 4.6 Coat all around the bore on the pendulum joint ⇒ *Coating bore and new plastic bushing -2-* lightly with grease.
- 4.7 To protect against damage to the plastic bushing, wrap adhesive tape around both gripping jaws of a water pump pliers.



*Coating bore and new plastic bushing*

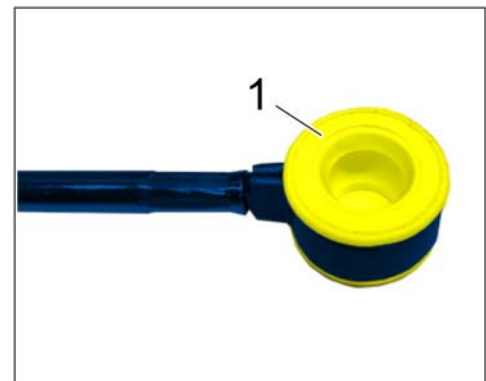
- 4.8 Get a second person to hold the pendulum joint while you align the plastic bushing **parallel** to the bore and position it **flush** on the bore on the pendulum joint. Then, press in the plastic bushing evenly using the water pump pliers ⇒ *Pressing in new plastic bushing -3-* (⇒ *Pressing in new plastic bushing*).

Before pressing it in, **check** that the plastic bushing is **not tilted**. If it is, **stop pressing** and **re-position** the plastic bushing.



*Pressing in new plastic bushing*

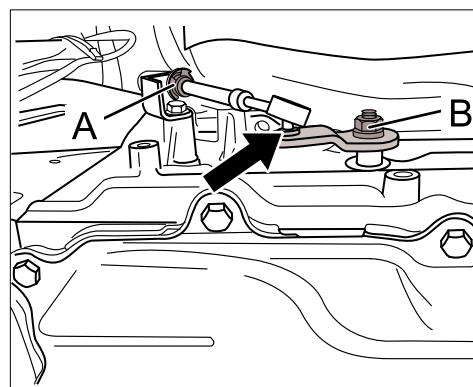
- 4.9 After pressing in the plastic bushing, check that it is fitted correctly and align the sealing lip using a plastic wedge ⇒ *Checking and cleaning all the way around* if necessary. If the plastic bushing that is installed shows **signs of damage**, it must be replaced by a **new one**.
- 4.10 Clean the plastic bushing ⇒ *Checking and cleaning all the way around -1-* to remove all **grease residue** using a clean lint-free cloth.



*Checking and cleaning all the way around*

- 5 Engage selector lever cable at the transmission lever.

- 5.1 Press in plastic bushing on the selector lever cable at the transmission lever ⇒ *Connecting selector lever cable to transmission -arrow-*.
- 5.2 Push on tab washer ⇒ *Connecting selector lever cable to transmission -A-* on the cable holder on the transmission side.



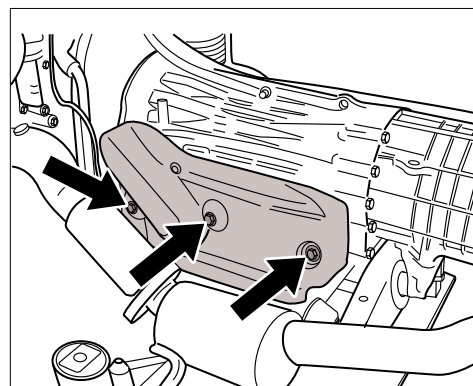
*Connecting selector lever cable to transmission*

- 5.3 **Cayenne Turbo only:** Install heat shield on transmission. To do this, screw in and tighten three fastening screws ⇒ *Heat shield on transmission, left -Arrows-*.



**Information**

Make sure that the tab washer was installed correctly.  
If necessary, loosen the fastening screws, adjust the tab washer to the correct position and re-tighten the fastening screws.



*Heat shield on transmission, left*

- 6 Lower the vehicle and remove it from the lifting platform.
- 7 Enter the campaign in the Warranty and Maintenance booklet.

**Replacing plastic bushing on the selector lever cable (Panamera)**

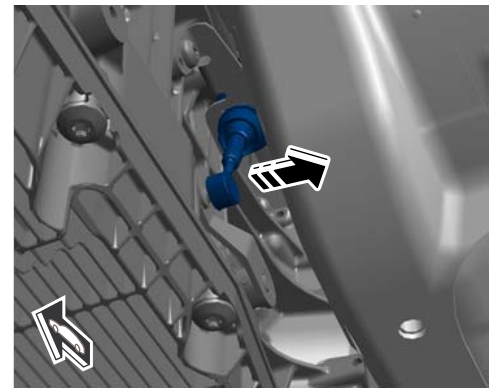
- Work Procedure: 1 Raise the vehicle on a lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'.*
- 2 Move selector lever to position "D".
    - 2.1 Insert ignition key into the ignition lock.
    - 2.2 Actuate the service brake.
    - 2.3 Start the engine.
    - 2.4 Move selector lever to position "D". "D" appears in the instrument cluster.
    - 2.5 Switch off engine.

**CAUTION****Hot components**

- Risk of burns
- ⇒ Let hot components cool down.
- ⇒ Wear personal protective gear.

3 Disengage selector lever cable at the transmission lever.

3.1 Press selector lever cable off the selector lever on the transmission using **VAS 6933 - disassembly tool** (⇒ *Disconnecting selector lever cable from transmission*).



*Disconnecting selector lever cable from transmission*

3.2 Press the pendulum joint on the selector lever cable upwards and pull it to the rear and out of the support ⇒ *Pulling out selector lever cable*.

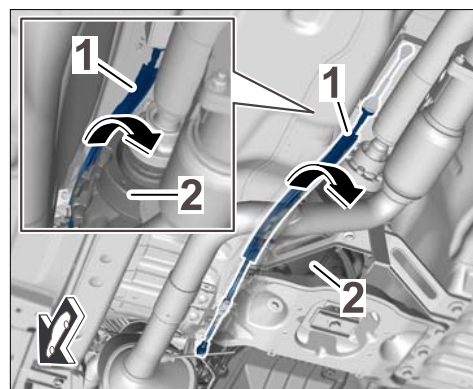
4 Replace plastic bushing on the selector lever cable



*Pulling out selector lever cable*

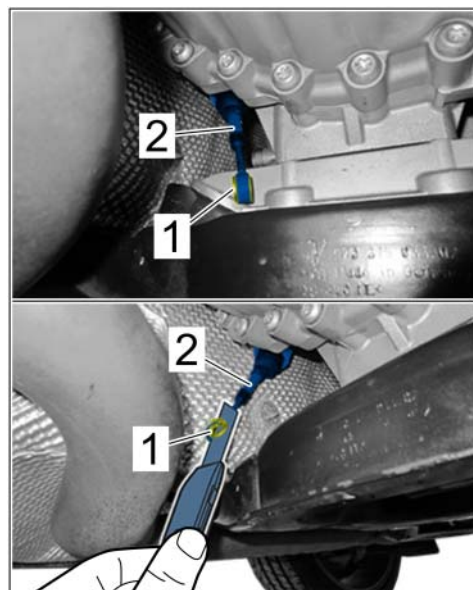


- 4.1 Guide selector lever cable ⇒ *Disengaging selector lever cable -1-* past the left side of the transmission ⇒ *Disengaging selector lever cable -2-* (⇒ *Disengaging selector lever cable -arrow-*) and pull it to the rear towards the transmission support.



*Disengaging selector lever cable*

- 4.2 Cut off plastic bushing ⇒ *Removing plastic bushing -1-* at the pendulum joint ⇒ *Removing plastic bushing -2-* using a utility knife on the side of the opening as shown.
- 4.3 Press plastic bushing out of the pendulum joint.



*Removing plastic bushing*

- 4.4 Clean the bore on the pendulum joint ⇒ *Cleaning bore on pendulum joint -arrow-* **thoroughly** using a clean, lint-free cloth.



*Cleaning bore on pendulum joint*

4.5 Coat new plastic bushing all the way around with grease ⇒ *Coating bore and the new plastic bushing -1-*. **Make sure that no grease gets into the inner area** of the plastic bushing.

4.6 Coat all around the bore on the pendulum joint ⇒ *Coating bore and the new plastic bushing -2-* lightly with grease.

4.7 To protect against damage to the plastic bushing, wrap adhesive tape around both gripping jaws of a water pump pliers.

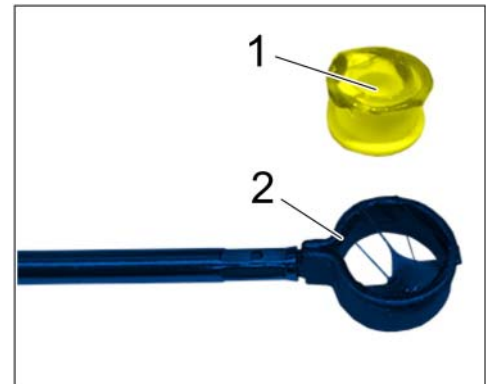
4.8 Get a second person to hold the pendulum joint while you align the plastic bushing **parallel** to the bore and position it **flush** on the bore on the pendulum joint. Then, press in the plastic bushing evenly using the water pump pliers ⇒ *Pressing in new plastic bushing -3-* (⇒ *Pressing in new plastic bushing*).

Before pressing it in, **check** that the plastic bushing is **not tilted**. If it is, **stop pressing** and **re-position** the plastic bushing.

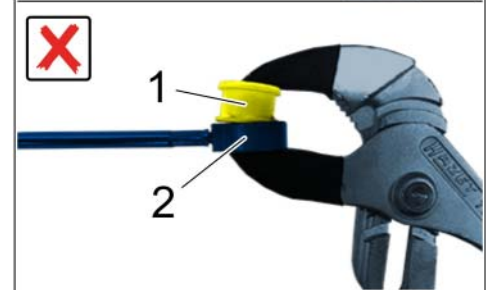
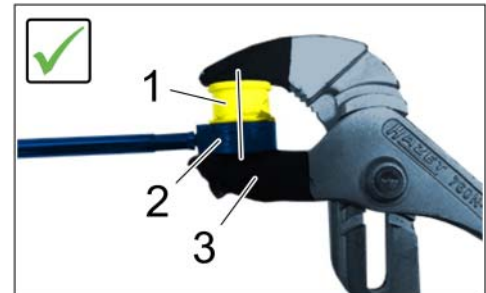
4.9 After pressing in the plastic bushing, check that it is fitted correctly and align the sealing lip using a plastic wedge ⇒ *Checking and cleaning all the way around* if necessary. If the plastic bushing that is installed shows **signs of damage**, it must be replaced by a **new one**.

4.10 Clean the plastic bushing ⇒ *Checking and cleaning all the way around -1-* to **remove all grease residue** using a clean lint-free cloth.

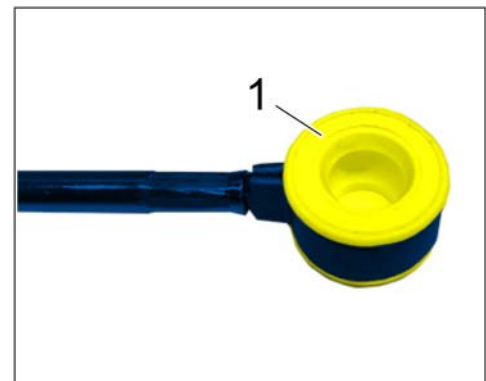
5 Engage selector lever cable at the transmission lever.



*Coating bore and the new plastic bushing*



*Pressing in new plastic bushing*



*Checking and cleaning all the way around*

- 5.1 Push the pendulum joint on the selector lever cable into the support on the transmission in direction of travel ⇒ *Pushing in selector lever cable.*
  
- 5.2 Press in plastic bushing on the selector lever cable at the transmission lever ⇒ *Pressing in selector lever cable.*
  
- 6 Lower the vehicle and remove it from the lifting platform.
  
- 7 Enter the campaign in the Warranty and Maintenance booklet.



*Pushing in selector lever cable*



*Pressing in selector lever cable*

**Warranty processing**

Scope:

**Working time:**

Replacing plastic bushing on selector lever cable

Labor time: **62 TU**

Includes: Raising and lowering the vehicle on the lifting platform

**Parts required:**

00004330453 Plastic bushing (ball socket) 1 ea.

**Required materials:**AKB10000001\* Grease\* 1 ea.  
e.g. 00004320593 Lubricant (Klueberplus S  
06-100)\* For warranty invoicing, enter the Part No. **AKB10000001**, "expendable items" designation, as an **additional part** costing USD \$0.19.⇒ **Damage Code AKB1 099 000 2**

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