

WKL3 - Replacing Ball Pins on Rear Lid (Workshop Campaign)

Model Line: **Cayenne (9YB)**

Model Year: **As of 2020 up to 2021**

Subject: **Replace ball pin on rear lid**

Information: **There is a possibility that the ball pins for securing the actuating cylinders for the rear lid will loosen from the body over the service life of the vehicle due to a manufacturing error.**

The resultant increased notch effect can cause the ball pins to break, resulting in unintentional lowering of the lid.

Remedial Action: Replace ball pins on the rear lid at the left and right.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information). There are 2,149 vehicles affected by this campaign.

Installation
position:



Installation position of ball pins for actuating cylinder

Parts required

Parts Info:	Part No.	Designation	Qty.
	V04015002U	⇒ Ball pin	2 ea.
	PAF912572	⇒ Hexagon-head bolt	1 ea.
	PAF908408	⇒ Washer	1 ea.

Required tools

- Tools:
- Torque wrench, 6-50 Nm (4.5-37 ftlb.), e.g. **VAG 1331A Torque wrench, 6-50 Nm (4.5-37 ftlb.)**

Replacing ball pins on rear lid



Incorrect handling of actuating cylinders

- Actuating cylinders can burst
 - Risk of eye injuries
 - Risk of bruising
- ⇒ The actuating cylinders must be in idle state in order to remove them.
- ⇒ Open the lid.
- ⇒ Secure the lid after removing the actuating cylinders to prevent it from closing accidentally.
- ⇒ Do not use force when opening the actuating cylinders due to the high internal pressure.

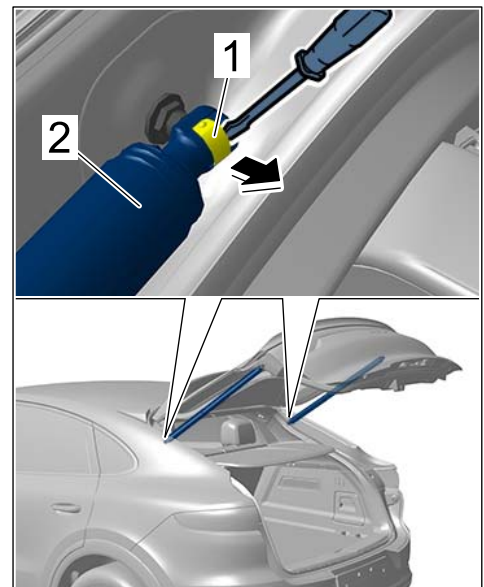
Work Procedure:



Information

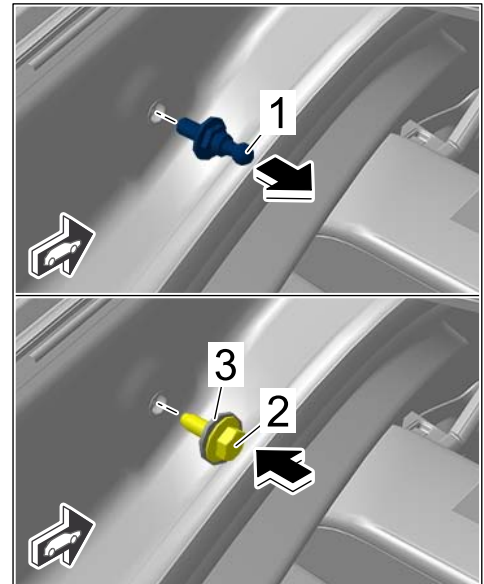
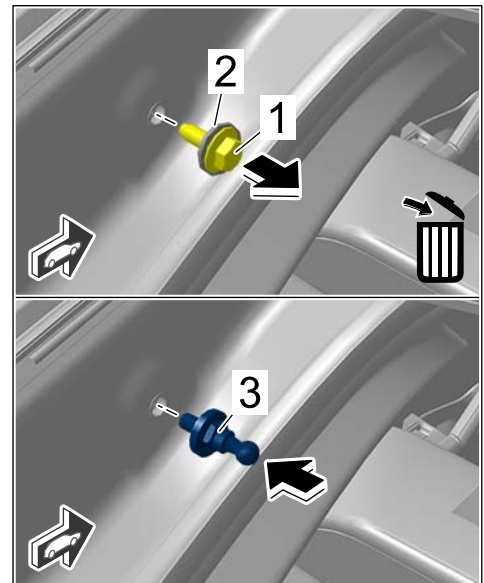
To prevent the lid from closing accidentally, use a suitable engine and gearbox jack or support.

- 1 Loosen actuating cylinder at the ball pin on the body at the left and right.
 - 1.1 Insert a screwdriver between the safety clip ⇒ *Loosening actuating cylinder -1-* and rear lid actuating cylinder ⇒ *Loosening actuating cylinder -2-*.
 - 1.2 Lift the safety clip by levering the screwdriver. The safety clip remains on the rear lid actuating cylinder.
 - 1.3 Pull rear lid actuating cylinder off the ball pins ⇒ *Loosening actuating cylinder -Arrow-*.



Loosening actuating cylinder

- 2 Replace ball pins on the rear lid at the left and right.
 - 2.1 Unscrew and dispose of ball pin ⇒ *Replacing ball pins -1-*.
 - 2.2 Pre-compress the sealing duct in the body. To do this, tighten the hexagon-head bolt ⇒ *Replacing ball pins -2-* (Part No. P908408) with the washer ⇒ *Replacing ball pins -3-* (Part No. P91257201) at the screw point of the ball pin to the specified tightening torque. Wait 5 minutes before loosening the hexagon-head bolt and pre-compress it again to the specified tightening torque.
Tightening torque 30 Nm (22 ftlb.)
 - 2.3 Unscrew hexagon-head bolt with washer and repeat the procedure on the other side of the vehicle.
 - 2.4 Unscrew hexagon-head bolt ⇒ *Installing ball pins -1-* with washer ⇒ *Installing ball pins -2-* and dispose of it ⇒ *Installing ball pins -Arrow-*.
 - 2.5 Tighten new ball pins ⇒ *Installing ball pins -3-* to the specified tightening torque.
Tightening torque 25 Nm (19 ftlb.)

*Replacing ball pins**Installing ball pins*

3 Secure actuating cylinder at the ball pin on the body at the left and right.

3.1 Push safety clip on fully as far as its end position ⇒ *Installing safety clips.*

3.2 Press in actuating cylinder at the ball pin on the body and check that the safety clips are engaged correctly. Safety clip must be placed directly on the head of the actuating cylinder for the rear lid.



Installing safety clips

4 Checking function of actuating cylinder for rear lid

4.1 Open and close the rear lid several times to check that the rear lid actuating cylinders are working properly and were installed correctly.

4.2 Open the rear lid fully. The actuating cylinders must secure the rear lid in open position.

4.3 Close the rear lid. The rear lid must engage in the initial catch of the closing aid and the closing aid must close the rear lid securely.

5 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

Scope 1:

Working time:		
Replacing ball pins on rear lid		Labor time: 57 TU
Parts required:		
V04015002U	Ball pin	2 ea.
PAF912572	Hexagon-head bolt	1 ea.
PAF908408	Washer	1 ea.
⇒ Damage Code WKL3 066 000 2		

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