

Noise Symptom – Squeaking Noise When Steering: Grease Steering Column Sealing Bellows (SY 22/20)

Model line: **Taycan (Y1A)**

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

Subject: **Steering column sealing bellows**

Symptom: Squeaking noise from the steering column area during steering movements. The intensity depends on the steering wheel height adjustment position.

Cause: The steering-column sealing bellows can cause squeaking noises.

Remedial Action: In the event of a customer complaint, grease the steering column sealing bellows.

Required spare parts and materials

Spare Parts:	Part No. WHT004955A	Designation ⇒ Internal hexagon round cheese head bolt	Qty. 1 ea.
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Materials: **Required materials** (usually already available in the Porsche Center):

Part No. 00004320544	Designation ⇒ Lubricant	Qty. 10 g tube ¹⁾
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¹⁾ Approx. 5 grams are required for the steering column sealing bellows.

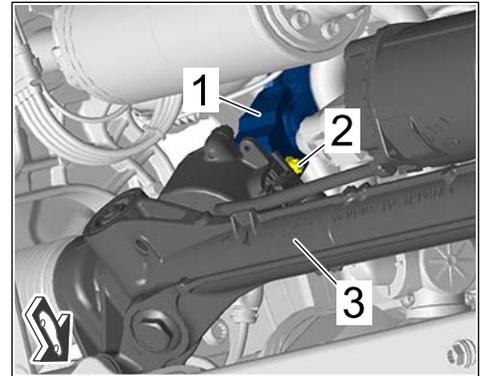
Preparatory work

- Work Procedure: 1 Remove front-axle support (rear section), see ⇒ *Workshop Manual '400819 Removing and installing front-axle support (rear section)'*.
- 2 Move steering wheel to center position and secure it with steering-wheel holder.

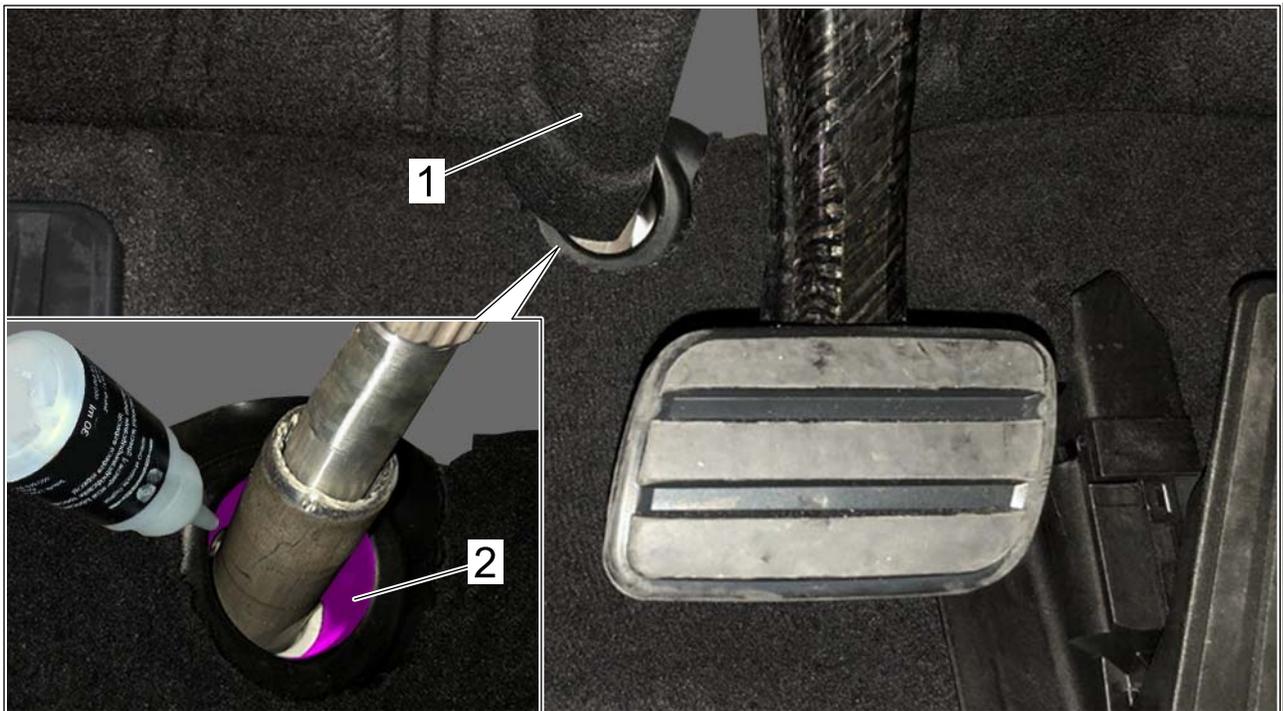
Greasing steering column sealing bellows

- Work Procedure: 1 Loosen universal joint ⇒ *Universal joint on power-steering gear -1-* from power-steering gear ⇒ *Universal joint on power-steering gear -3-*.
- 1.1 Unscrew screw ⇒ *Universal joint on power-steering gear -2-*.

- 1.2 Detach the universal joint ⇒ *Universal joint on power-steering gear -1-* from the power-steering gear ⇒ *Universal joint on power-steering gear -3-*.
- 2 Lift up the trim panel ⇒ *Steering column sealing bellows -1-* in the driver's side footwell slightly.
- 3 Spread the lubricant all over the inner lining of the steering column sealing bellows ⇒ *Steering column sealing bellows -2-*.



Universal joint on power-steering gear



Steering column sealing bellows

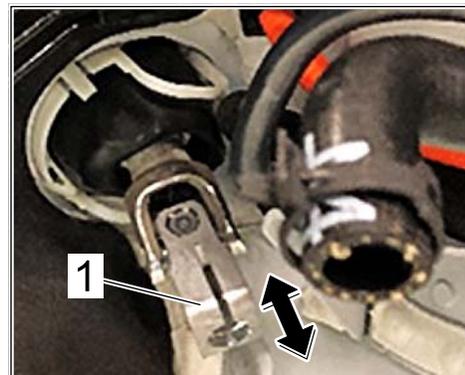
- 4 Move the universal joint ⇒ *Universal joint -1-* back and forth in the direction of the passenger compartment once to distribute the lubricant.



Information

Make sure that the steering gear pinion is not installed twisted.

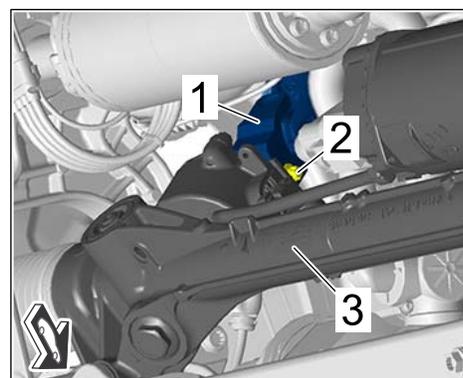
- 5 Attach the universal joint ⇒ *Universal joint on power-steering gear -1-* to the power-steering gear ⇒ *Universal joint on power-steering gear -3-*.



Universal joint

- 5.1 Install the universal joint ⇒ *Universal joint on power-steering gear -1-* onto the power steering gear ⇒ *Universal joint on power-steering gear -3-*.
- 5.2 Screw in a **new** screw ⇒ *Universal joint on power-steering gear -2-* and tighten using the two-step tightening procedure.
 - **Initial tightening 20 Nm**
 - **Final tightening + 90°**

Part No.	Designation	Qty.
WHT004955A	Internal hexagon round cheese head bolt	1 ea.



Universal joint on power-steering gear

Concluding work

- Work Procedure: 1 Detach and remove steering wheel holder.
- 2 Install front-axle support (rear section), see ⇒ *Workshop Manual '400819 Removing and installing front-axle support (rear section)'*.

Invoicing

Invoicing: For documentation and warranty invoicing, enter the labor operation, PQIS coding and part number specified below in the warranty claim:

APOS	Labor operation	I No.
48154900	Reworking steering column center	
27080365	Testing high-voltage battery (using measuring adapter)	
27080367	Testing high-voltage battery (using PIWIS Tester)	
27080368	Testing high-voltage battery (using PIWIS Tester and measuring adapter)	
27080369	Testing high-voltage battery (with VAS 6558A)	

PQIS coding:

Location (FES5)	48550	Sealing bellows
Damage type (SA4)	2019	Squeaking

Parts Info:	Part No.	Designation	Number/Quantity
	WHT004955A	⇒ Internal hexagon round cheese head bolt	1 ea.
	00004320544	⇒ Lubricant	0.5 ea. (= approx. 5 grams)

References: ⇒ *Workshop Manual '400819 Removing and installing front-axle support (rear section)'*

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