

Noise Symptom - Noises From Around the Steering Shaft: Replacing intermediate steering shaft (SY 17/14)



Information

These symptom-based repair instructions replace the instructions dated June 30, 2016

Changes/additions compared to the previous instructions:

- Additional information for affected vehicles after the date of introduction: Also rework with lubricant.



Information

These symptom-based repair instructions replace the instructions dated August 14, 2014

Changes/additions compared to the previous instructions:

- The 'Remedial action' section was changed - the modified procedure must be observed from now on.
- Modified intermediate steering shafts are listed in the 'Tools and materials' section. As a result, the subsequent work for the bellows is no longer required.

Model Line: **Macan**

Model Year: **As of 2014 up to 2018**

Subject: **Intermediate steering shaft**

Symptom: Customers complain about disturbing noises coming from the footwell area on the driver's side while steering.

Cause: The surface of the foam rubber seal in the sealing sleeves starts to wear and crumble due to high temperatures. This effect causes the reported noise.

Remedial Action: In the event of a customer complaint on a vehicle that:

- **was produced before the date of introduction** (June 02, 2016), replace the existing intermediate steering shaft with a new, **modified intermediate steering shaft with felt ring**, see Workshop Manual ⇒ *Workshop Manual '482819 Removing and installing intermediate steering shaft'*,
- **was produced after the date of introduction** (June 02, 2016) or was already replaced **by the new type of intermediate steering shaft** (with felt ring),

also rework the steering shaft/plastic sealing ring **in the engine compartment using** temperature-resistant **lubricant**, see "Procedure" section.

Date of Introduction: A modified intermediate steering shaft has been used in production since June 02, 2016.

| | | |
|-------------|------------------------------|---|
| Parts Info: | Part No.: | Designation: |
| | 95B.419.753.D – NEW – | ⇒ Intermediate steering shaft (NEW, with felt ring , LHD, I-no. LOL) |
| | 999.917.828.00 | ⇒ Lubricant spray (Osixio Anti Squeak – Aerosol 32) |

- Tools:
- Clean cloth
 - Safety glasses

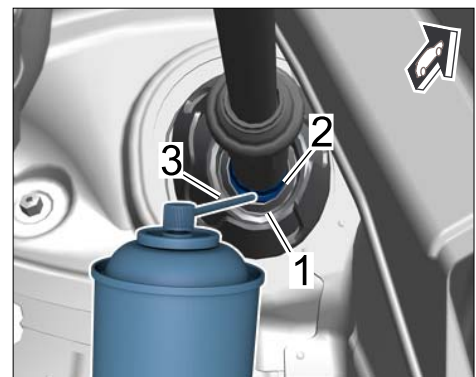
Work Procedure: **Rework sealing bellows in the engine compartment:**



Toxic substances

- **Danger of poisoning or suffocation**
 - **Danger of burns to the eyes and skin**
- ⇒ **Wear personal protective gear.**
- ⇒ **Ventilate the work area well.**
- ⇒ **Never ingest or inhale.**
- ⇒ **Read specific information on the Hazard Sheet.**
- ⇒ **Do not smoke, eat or drink in the work area.**

- 1 Remove front underbody panelling, see ⇒ *Workshop Manual '519219 Removing and installing cover for front underbody - section on "Removing"*.
- 2 Carefully pull the rubber on the steering shaft duct (⇒ *Position of the spray nozzle at the steering shaft duct at the engine compartment side -item 1-*) away from the steering shaft in order to access the blue friction ring (⇒ *Position of the spray nozzle at the steering shaft duct at the engine compartment side -item 2-*).
- 3 Push the spray nozzle (⇒ *Position of the spray nozzle at the steering shaft duct at the engine compartment side -item 3-*) under the sealing lip as far as the blue friction ring (⇒ *Position of the spray nozzle at the steering shaft duct at the engine compartment side -item 2-*).
- 4 Spray the top and bottom.



Position of the spray nozzle at the steering shaft duct at the engine compartment side

- 5 For optimal distribution of the lubricant, turn the steering fully to the left and right several times immediately after spraying and also change the fore-and-aft adjustment position as far as it will go.
- 6 Install front underbody panelling, see ⇒ *Workshop Manual '519219 Removing and installing cover for front underbody - section on "Installing"*.

Invoicing: The work involved is invoiced under the labor operation:

| APOS | Labor operation | I No. |
|----------|--------------------------------------|-------|
| 48281900 | Removing and installing bottom joint | |
| 48554940 | Reworking sealing bellows | |

For invoicing and documentation using PQIS, enter the following coding:

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

References: ⇒ *Workshop Manual '482819 Removing and installing intermediate steering shaft'*

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