

Assessment of actuating and operating noise from steering

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Version	1
Function group	46.35 Electrical steering
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Validity	MODEL 167 / 205 / 213 / 238 / 253 / 257
Reason for change	
Reason for block	

Complaint:

Various noises can be heard when steering to the left and/or right:

1. Scraping (see attachment 001)
2. Knocking noise when rapidly reversing steering direction (see attachment 002)

Attachments	
File	Description
001.mp4	Reference sample of noise when steering from lock to lock
002.mp4	Reference sample of noise when rapidly reversing the steering direction

Cause:

The acoustic behavior of the steering is subject to a certain amount of variation. However, this has no effect on the functionality and reliability of the steering system.

Remedy:

Compare complaint to attached sound recordings.

As long as the actuation noise does not significantly exceed the level of the reference steering system in the video, the case will not be accepted as a complaint. In this case, it is not permissible to replace any parts.

Symptoms
Chassis/suspension / Steering system / Noises / Dragging/squealing
Chassis/suspension / Steering system / Noises / Chattering/knocking