

Cracking noise at limit stop of electric steering

Topic number	LI46.35-P-067121
Version	1
Function group	46.35 Electrical steering
Date	10-09-2017
Validity	Model 156 up to 31.06.2017
Reason for change	
Reason for block	

Complaint:

Cracking noise at left or right limit stop (see noise recording):

- In left-hand drive vehicles, when steering is at right limit stop.
- In right-hand drive vehicles, when steering is at left limit stop.

The complaint occurs only once in the following driving situation:

Note: steering fully held at limit stop.

- Directly after driving off.
- When changing direction (forwards/backwards).
- When slowly steering out of limit stop.

Note:

Observe LI33.30-P-061504 (Noises from front axle area) too regarding the noises.

Attachments	
File	Description
Noise movie.mp4	Sound recording

Cause:

Stick-slip effect at end stopper ring.

Remedy:

Grease end stopper ring in electric steering.

Note:

It is not necessary to grease both end stopper rings.

- For left-hand drive vehicles, grease only right end stopper ring of steering.

XENTRY TIPS

- For right-hand drive vehicles, grease only left end stopper ring of steering.

1. Remove steering (picture 1).
2. Open clamps (a-b) and slide boot outwards (pictures 2-3).
3. Grease yellow end stopper ring (pictures 4-5).

Note: Here, a thin layer of grease is more than enough.

4. Mount boot.

Note: Use new clamp (a).

5. Install steering into vehicle.
6. Perform test drive.

Attachments	
File	Description
Pictures.pdf	Pictures for work instructions

Symptoms
Chassis/suspension / Steering system / Noises / Cracking
Chassis/suspension / Steering system / Noises / Chattering/knocking
Chassis/suspension / Axle / Front axle / Noises / Cracking

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 989 38 60	09		Lubricant/grease	1	Only use required amount	X
A 001 995 15 35			Clamp	1	Boot clamp	X



Mercedes-Benz

