

Rattling or Humming Noise When Steering

Topic number	LI46.35-P-067339
Version	4
Function group	46.35 - Electrical steering
Date	5/25/21
Validity	All vehicles with electric steering Not valid for models 117/156/169/176/242/246/177/247/118
Reason for change	Validity extended to new model series.

Complaint

Rattling/humming noise from the electric steering system when steering (see attachment).

Attachments	
File	Description
Outside.mp4	Noise from underbody
Inside.mp4	Noise in vehicle

Cause

Ball screw drive (KGT) of electric steering damaged by:

1. External force due to:

- Hitting the curb/posts with the front wheels.
- Driving over obstacles (e.g. pothole/ threshold/ speed bump/ gully) at an inappropriate speed.

2. Corrosion/ water ingress through a damaged boot (see attachment).

- Cracks (1)
- High pressure cleaner (2)
- Animal bite (3)

Attachments	
File	Description
Damage Bellow.pdf	Damage to boot

Remedy

Replace electric steering.

XENTRY TIPS

Note: Steering gears replaced due to outside influence or damage must not be claimed under warranty!

Symptoms
Chassis/suspension > Noises > Humming/droning/throbbing
Chassis/suspension > Noises > Vibrates
Chassis/suspension > Noises > Grunting
Chassis/suspension > Steering system > Noises > Chattering/knocking
Chassis/suspension > Steering system > Noises > Humming/vibrations

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note