

Noise From Front End Attributable to Steering Gear - 167 (GLE/GLS)

Topic number	LI46.00-P-079786
Version	3
Function group	46.00 - General
Date	7/22/26
Validity	167 GLE & GLS
Reason for change	Adding additional cause/remedy

Complaint

Noise from front end attributable to steering gear.

Cause

During diagnostics of a front end noise, workshop is under the impression the noise is coming from the steering gear.

WIS-References		
Document number	Title	Note
AR46.20-P-0601ME	Setting play between thrust element and steering rack	WIS

Remedy

Workshop diagnostics point to the steering gear as the root cause of the noise and the below LI's and items have been ruled out.

- LI46.35-P-067339 - "Rattling or Humming Noise When Steering"
- LI46.35-P-071461 - "Check Tie Rod Outer Joint of Steering Gear"
- LI46.10-P-077391 - "Knocking Noise In The Area Of The Steering Gear or Steering Column Tube When Braking Or Moving Off; The Steering Wheel Can Also Be Felt To "Crack""
- If the noise is described as "clacking" or "knocking" and the thrust element in the steering rack has NOT been checked yet, please perform a check and subsequent adjustment, if necessary, as detailed in AR46.20-P-0601ME.

If the above has been completed and the noise is still present, please continue with the below:

- Video underneath the vehicle with clearly audible noise.
- Video inside the vehicle with clearly audible noise.
- Vehicle checked for history of collisions.
- List of other checked components (suspension, drive line components, wheel bearings, etc...).
- Check integrity of dust boots and dust boot clamps. Ensure no water has entered into the steering rack.
- Along with the audible noise, does the feel/noise change through only a certain part of the steering arc sweep?
- Provide the thrust element before and after readings.

If the above is completed and no findings are noted, please open a TIPS case to the Body/Chassis/Entertainment in-box.

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms
Chassis/suspension > Steering system > Noises > Beeping
Chassis/suspension > Steering system > Noises > Dragging/squealing
Chassis/suspension > Steering system > Noises > Cracking
Chassis/suspension > Steering system > Noises > Hissing/streaming
Chassis/suspension > Steering system > Noises > Chattering/knocking
Chassis/suspension > Steering system > Noises > Humming/vibrations
Chassis/suspension > Steering system > Noises > Clattering

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