

Noises from the electric drivetrain when reversing slowly

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|-------------------|--------------------------|
| Topic number | LI08.10-N-078545 |
| Version | 1 |
| Function group | 08.10 - Electrical motor |
| Date | 10/25/24 |
| Validity | Model 447, 907, 910 |
| Reason for change | |

Complaint

Noises when reversing slowly <5 km/h (squeaking)

| Attachments | |
|----------------------------------|-----------------------|
| File | Description |
| Geräusche bei Rückwärtsfahrt.mp3 | Noises when reversing |

Cause

There is a seal in the electric drivetrain that seals off the coolant system from the electric motor.

This seal is moistened with coolant during forward travel.

As a result of the change in rotational direction when reversing slowly, it may be the case that this sealing ring is no longer moistened. Squeaking noises may occur as a result of the so-called "stick-slip effect".

This behavior does not impact the function or durability of the sealing ring and electric drivetrain.

Remedy

Do not replace any parts.

Explain the cause of the noises to the customer.

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.

XENTRY Tips

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| Symptoms |
| Power generation > Engine noise > Noise |
| Power transmission > Noises > Howling/whistling |
| Power transmission > Differential > Rear axle differential > Noises > Whistles |
| Power transmission > Differential > Front axle differential > Noises > Squeals |

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