

Noises from front electric drivetrain around 60 mph - 75 mph

Topic number	LI08.10-P-076885
Version	2
Function group	08.10 - Electrical motor
Date	9/15/25
Validity	Model 294 with code M005 (VEHICLES WITH 4MATIC/ALL-WHEEL DRIVE) Model 295 with code M005 (VEHICLES WITH 4MATIC/ALL-WHEEL DRIVE) Model 296 with code M005 (VEHICLES WITH 4MATIC/ALL-WHEEL DRIVE) Model 297 with code M005 (VEHICLES WITH 4MATIC/ALL-WHEEL DRIVE)
Reason for change	Remedy adjusted

Complaint

High-frequency sound/high-frequency whistling at speeds between 100 km/h and 120 km/h (62-74 mph)

or

between 60 km/h and 80 km/h (37-50mph)

Attachments	
File	Description
noise.MP4	Example noise

Cause

Noises of 26th engine order from the transmission gearing

Remedy

Replacing parts does not provide a remedy; the noise is state of the art

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 ve-

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icles, 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
Power transmission > Noises > Howling/whistling
Power generation > Engine management > Electric drive > Electric machine > Noise

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