

EQB (243) - Noise When Depressing Brake/Accelerator Pedal Released, HV Battery State of Charge >80%, and Recouperation Settings On

Topic number	LI42.22-P-080281
Version	1
Function group	42.22 - Regenerative braking system
Date	2/24/26
Validity	243 - EQB
Reason for change	

Complaint

Noise when the following conditions are met:

- Pressing brake pedal or releasing accelerator pedal
- High voltage battery state of charge (SOC) is >80%
- Recouperation settings active (Intelligent, D-, or D)

Attachments	
File	Description
EQB Recouperation Noise.mp4	

Cause

The high voltage battery cannot achieve full recouperation from the electric motor due to the already high battery state of charge and is supported via the hydraulic portion of the brakes. The sound is from the hydraulic portion of the braking system.

Remedy

The noise is normal, no parts need to be replaced and no further action required.

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 > Brake system > Service brake > Noises > General
Chassis/suspension > Brake system > Service brake > Noises > Tapping
Chassis/suspension > Brake system > Service brake > Noises > Clattering
Chassis/suspension > Brake system > Service brake > Noises > Whirring/howling
Chassis/suspension > Brake system > Service brake > Noises > Makes noise

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