

Dull ticking or thumping in the area of the engine/two-mass flywheel/transmission

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Version	1
Function group	01.00 - General
Date	8/7/24
Validity	SL43 (232450), C43 (206087, 206287), GLC43 (254387, 254687)
Reason for change	

Complaint

Dull thumping noise or ticking noise under the vehicle in the area of the engine/two-mass flywheel/transmission.
Is significantly perceptible at the front right wheel well and can also be faintly heard in the vehicle interior.

Attachments	
File	Description
seitlich.mp4	Noise audible from the side
Innenraum.mp4	Noise audible in the vehicle interior (quiet)
Unterboden.MOV	Noise under the vehicle

Cause

The ticking noise occurs in idle operation in drive program C & S at 780 rpm when the state of charge of the battery is over 65% and the load requirement at the belt-driven starter alternator is simultaneously over 25 Nm.
The load requirement can occur due to a number of auxiliary consumers (e.g. air conditioning system, steering wheel or seat heating, etc.).

Remedy

Switch off the auxiliary consumers and check whether the noise goes away.
Remedial action by means of software update under development.

Do not replace any parts

Create TIPS case and send to HQ together with the following documents:

- Videos of the problem from the exterior and in the vehicle interior
- Control unit log, engine N3/10 (ME)
- Control unit log, drivetrain N127 (PTCU)
- Control unit log, DC/DC converter N83/12 (DDW)

XENTRY Tips

- Control unit log, 48 V battery G1/13 (48 V LIB)
- Control unit log, electronic ignition lock N73 (EZS)

Symptoms
Power generation > Engine noise > Noise
Power transmission > Automatic transmission > Noises > Noise

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			0303236	Damage code for two-mass flywheel - noise