

253 plug-in hybrid, cable duct for high-voltage line may become unhooked causing noise from transmission area

Topic number	LI54.18-P-078334
Version	2
Function group	54.18 - Cable harnesses
Date	12/9/24
Validity	253 plug-in hybrids with holders for the cable duct at the drive high-voltage line at the underbody
Reason for change	Title revision for easier searchability.

Complaint

The cable duct of the high-voltage drive line wiring harness is unhooked from the holder and makes contact with the transmission crossbeam.

This may cause noises (clattering/vibrating) at the underbody.

Attachments	
File	Description
Position Ansicht Fahrerseite.pdf	Position from driver's side view
Position Ansicht Unterboden.pdf	Position from underbody view
Position Detailansicht ausgehängt.pdf	Position, detailed view, unhooked

Cause

Due to insufficient holding ability of the catch tab at the underbody cable duct, the cable duct may become unhooked.

Remedy

Perform a visual check of the cable duct and the attachment point.

Apply a high-temperature cable tie (see remedy and parts).

Attachments	
File	Description
Halter mit Kabelbinder befestigen.pptx	Description of the remedy - apply cable tie

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Symptoms

Power transmission > Differential > Front axle differential > Noises > Clattering

Overall vehicle > Wiring > Cable damaged/faulty

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 995 29 94			Cable tie	1	This special cable tie is made from a high-temperature plastic	X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
547104	High-voltage wiring harness, location: Attach high-voltage battery for the e-drive at the underbody with cable tie at the holder	0.5 hours	5416A	