

Anti-Theft Alarm System Triggers Without Obvious Cause

Topic number	LI80.50-P-077350
Version	4
Function group	80.50 - Anti-theft alarm system (ATA), Interior motion sensor/Tow sensor
Date	9/3/25
Validity	MODEL 118,177,243,247,167
Reason for change	Damage code and fault type adjusted

Complaint

Customer complains about anti-theft alarm system triggering without obvious cause when the vehicle is parked and/or when entering the vehicle.

All MFA2 and 167 derivatives with code 882 may be affected.

Cause

This is caused by a sporadic loss of communication to the anti-theft alarm system [N26/6]. In many instances there are one or more FCs U110D87, U001988, U016787 stored in the control units anti-theft alarm system [N26/6] and/or signal acquisition and actuation module [N10] / [N10/6]. The alarm system memory may contain several alarm sources.

Remedy

Please process all following points in succession:

1. Initial problem

- Power supply of the overhead control panel [N70]
- Ground points of the overhead control panel [N70]

- Model series 118, 177, 247: W78
- Model series 167: W15/2
- Model series 243: W78/2

- LIN lines between overhead control panel [N70] and alarm siren [H3/1]
- CAN lines between overhead control panel [N70] and signal acquisition and actuation module [N10] or [N10/6]
- Delete fault memory and recheck vehicle

Note - If wiring fault is found in newer vehicle, please send in a IFQ (Initial Field Quality) TIPS Case.

2. Subsequent problem after repair

In this case, the workshop must perform the following operation steps:

- Replace overhead control panel [N70] (anti-theft alarm system [N26/6] is integrated)
- Clean electrical connectors of overhead control panel with commercially available contact cleaner and clean, purified compressed air.
- Delete fault memory and recheck vehicle

Note - If no remedy is found, please open a TIPS case and send to the Body/Chassis/Entertainment inbox.

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				
Overall vehicle > Safety and locking system > Antitheft alarm system ATA > Function > Inadvertent activation				
Overall vehicle > Safety and locking system > Antitheft alarm system ATA > Function > Does not go off				
Control unit/fault code				
Control unit		Fault text		
N26/6 - ATA [EDW]/tow-away protection/interior protection (ATA) (VTA177)		U001988 - Interior CAN communication has a malfunction. Bus OFF		
		U110D87 - Communication with the alarm siren has a malfunction. The message is missing.		
N10/6 - Front signal acquisition and actuation module (Driver-side SAM) (BC_F213)		U016787 - Communication with the anti-theft alarm system has a malfunction. The message is missing.		
		U001988 - Interior CAN communication has a malfunction. Bus OFF		
N10 - Signal acquisition and actuation module (SAM) (BCMFA2)		U016787 - Communication with the anti-theft alarm system has a malfunction. The message is missing.		
		U001988 - Interior CAN communication has a malfunction. Bus OFF		
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
		H	82561	Fault type: EC, 73, 90