

Display message: PRE-SAFE® Side Impulse inoperative - B1B3713 or B1B3813

Topic number	LI54.30-P-080649
Version	1
Function group	54.30 - Instrument cluster, display instruments, hazard warning device
Date	7/1/26
Validity	Model 206, 214, 223, 236, 254, 294, 295, 297 with code 292
Reason for change	Addition of model 296
Reason for block	Internal clarification

Complaint

General information on the operation of the PRE-SAFE® Impulse system:

The PRE-SAFE® Side Impulse system is a preventive, i.e. pre-collision occupant protection system.

The task of the system is to provide additional protection to vehicle occupants when there is a risk of a side impact.

It is not a restraint system component in the conventional sense and does not contain an detonator.

A potential side-impact situation is detected by radar sensors.

If the system detects an existing likelihood of a side impact, a reversible air cushion in the outer seat side bolster is briefly inflated by opening a valve.

The resulting pulse preemptively increases the distance between the door and the occupant in order to move the occupant out of the danger zone.

If the system has been activated, the following message appears on the instrument cluster:

PRE-SAFE® Side Impulse inoperative. See Operator's Manual.

Note:

After system activation, diagnostic entry B1B3713 or B1B3813 is marked as active and stored in the ORC223 (N2/5) control unit.

Cause

After activation of the "PRE-SAFE® Side Impulse" system, the function is no longer available.

Remedy

Please check the tight seating and possible damage of the radar sensors B29/11 or B29/12.

Then replace the gas generator on the affected side (R12/65 or R12/66).

After replacing the gas generator (R12/65 or R12/66), please perform commissioning and SCN coding of the radar sensors B29/11 or B29/12 to ensure they are up to date.

Note:

In principle, it is not necessary to replace the air cushion in the "PRE-SAFE® Side Impulse" system, as it is designed for multiple activations (up to 10).

Exception:

After deployment of the sidebag (e.g., following a crash), exchange (air cushion with gas generator) of the "PRE-SAFE® Impulse Side" is required in all cases.

WIS-References		
Document number	Title	Note
AR91.60-P-0702S	Remove/install the PRE-SAFE® Impulse Side gas generator in the seat backrest	Example: model series 223

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
Body > Safety system > Pre-Safe system > Display message: Pre-Safe features currently limited (see operator's manual)

Control unit/fault code	
Control unit	Fault text
N2/5 - Supplemental restraint system (SRS) (ORC223)	B1B3813 - The squib for PRE-SAFE® pulse side "Front passenger seat" has a malfunction. There is an open circuit.
	B1B3713 - The squib for PRE-SAFE® pulse side "Driver seat" has a malfunction. There is an open circuit.

Operation numbers/damage codes

XENTRY Tips

Op. no.	Operation text	Time	Damage code	Note
			54H11	54H11 Left outer front bumper radar sensor or 54W11 Right outer front bumper radar sensor