

Technical product information

Topic	Satellite Values Not Displayed in MVBs - J949 Emergency Call Control Module (Conbox)
Market area	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
Brand	Bentley
Transaction No.	2082308/1
Level	EH
Status	Released for publishing
Release date	July 9 2026

New customer code

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> navigation mode -> navigation information (NAV-INFO) -> location coordinates display	concept -> concept fault readability	
whole vehicle -> accessories -> vehicle location system	functionality -> without function / defect	

Vehicle data

Bentayga Series

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2017	E		*	*	*
4V1*	2018	E		*	*	*
4V1*	2019	E		*	*	*
4V1*	2020	E		*	*	*
4V1*	2021	E		*	*	*
4V1*	2022	E		*	*	*
4V1*	2023	E		*	*	*
4V1*	2024	E		*	*	*
4V1*	2025	E		*	*	*
ZV1*	2023	E		*	*	*
ZV1*	2024	E		*	*	*
ZV1*	2025	E		*	*	*

Continental GT/GTC/Flying Spur

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2018	E		*	*	*
3S3*	2019	E		*	*	*
3S3*	2020	E		*	*	*
3S3*	2021	E		*	*	*
3S3*	2022	E		*	*	*
3S3*	2023	E		*	*	*
3S3*	2024	E		*	*	*
3S4*	2019	E		*	*	*
3S4*	2020	E		*	*	*
3S4*	2021	E		*	*	*
3S4*	2022	E		*	*	*
3S4*	2023	E		*	*	*
3S4*	2024	E		*	*	*
Z23*	2025	E		*	*	*
Z24*	2025	E		*	*	*
Z32*	2025	E		*	*	*
ZG2*	2020	E		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*
ZG2*	2023	E		*	*	*
ZG2*	2024	E		*	*	*

Documents

Document name
master.xml

Satellite Values Not Displayed in MVBs - J949 Emergency Call Control Module (Conbox)

Customer statement / workshop findings

During diagnosis using ODIS, Measured Value Blocks (MVBs) for: Visible satellites, tracked satellites (within J949 Emergency Call Control Module – Conbox) may display blank or no value. This condition may be interpreted as a GPS reception fault, antenna issue or connectivity malfunction.

Diagnostic logs may also show absence of satellite values.

Technical background

The issue is not a hardware or functional fault of the vehicle system. The ODIS test MVB test plan has an upper display limit of 17 satellites. When the system detects more than 17 satellites, the value is not displayed, appearing blank. This results in a false diagnostic impression of missing or invalid satellite data.



NOTICE

The GPS system is functioning correctly. High satellite count (>17) exceeds diagnostic display capability, not system capability.

Production change

From 26MY onwards, most markets are equipped with a 5G conbox (J949). This new conbox uses a higher upper limit for satellite count and is therefore not affected by this limitation

Measure



NOTICE

Do not replace components based solely on blank satellite values in MVBs.



Diagnostic Procedure

When satellite values are blank in MVBs:

1. Do NOT rely on satellite count fields (Visible / Tracked).
2. Instead, evaluate system functionality using the following parameters:
 - GPS Position Value → Must show a plausible vehicle location
 - Status GPS Reception → Must indicate valid reception
 - Status of GPS Antenna → Must indicate correct operation (OK)
 - Antenna Current → Must be within expected range

3. If all above values are plausible the system is operating as intended no further action required.



NOTICE

If ANY of the above values are not plausible or indicate a fault condition you must raise a full technical DISS query



Include the following the full technical DISS query:

- Complete ODIS logs
- MVB recordings
- Clear fault description
- Do not proceed with parts replacement prior to DISS guidance unless a clear fault is confirmed.