



01-23-05 - Irrelevant Diagnostic Trouble Codes (DTCs) Logged in Various Control Units

Release date: 3/16/2023

Condition

| Applicable Vehicles | | | | | |
|---------------------|------|-----------|-------------|----------------|--------------|
| Model(s) | Year | Eng. Code | Trans. Code | VIN Range From | VIN Range To |
| ID.4 | 2023 | All | All | All | All |

| Revision Table | | | |
|-----------------|----------------|----------------|----------------------|
| Instance Number | Published Date | Version Number | Reason For Update |
| 2069794/1 | 3/16/22 | 01-23-05 | Original publication |

During vehicle inspection, maintenance, or repair, one or more of the following diagnostic trouble codes (DTCs) are found to be logged in various control units (static or sporadic).



Note:

This technical bulletin applies only to vehicles with a Data Bus On Board Diagnostic Interface **-J533-** (address 19) with software part number 1EA.937.012.N and software version 0292.



Note:

This technical bulletin applies specifically to model code E81* ID.4 assembled in Chattanooga.

If a notification symbol is shown for a suggested GFF test in the test plan list (figure 1), it should only be performed if it is related to a customer complaint (figure 2).



Tip:

The DTCs and symptom codes listed in this bulletin are not related to customer complaints.



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| | | | | | | |
|-----------------|--------|------|-----|-----------|-----------|-------------------|
| Control modules | Orders | DISS | TSB | Test plan | Operation | Special Functions |
|-----------------|--------|------|-----|-----------|-----------|-------------------|

Tests in current test plan









| Status | Tests (sorted according to chances of success) |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| >  | J533 - Data Bus on Board Diagnostic Interface, CAN bus (implausible message) |
| >  | CAN data bus, Jxxx <> J623, implausible signal |
| >  | Function restriction due to implausible signal |
| >  | J519 - implausible message |
| >  | Databus implausible message |
| >  | J527 - Steering Column Electronics Control Module, Checking data bus |
| >  | 0019 - VKMS activation |
| >  | J533 - Data Bus on Board Diagnostic Interface, Ethernet - control module, no communication |

Figure 1



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The screenshot shows a diagnostic software interface with a top navigation bar containing tabs: Control modules, Orders, DISS, TSB, Test plan, Operation, and Special Functions. Below the tabs, a section titled "Tests in current test plan" displays a list of tests. The tests are sorted by success chances. The selected test is "Function restriction due to implausible signal" under the "0003 - Brake Electronics" category. A dialog box titled "Unauthorized DTC memory entries" is overlaid on the screen, containing the following text: "In this case, you must run a test program that has been entered into the test plan due to unauthorized DTC memory entries. Only run this test program if there is a customer concern. Would you like to run the program?" The dialog box has "Yes" and "No" buttons at the bottom. The background interface shows other test entries like "J533 - Data Bus on Board Diagnostic Interface, CAN bus (implausible message)" and "CAN data bus, Jxxx <=> J623, implausible signal".

Figure 2

Technical Background

The combinations of DTCs and symptom codes listed in this technical bulletin are irrelevant. They have no effect on any functions or electrical systems of the vehicle. They do not cause any customer concerns.

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Production Solution

Not applicable.

Service

In the diagnosis of a customer complaint, ignore any of the following DTCs in combination with the symptom codes listed. They can be erased, but may be logged again later.

**Tip:**

Only the combination of DTCs and symptom codes are important. Any variations in the wording of the DTC text descriptions given here compared to the ODIS tester or GFF log are not meaningful.

The following entry is logged in the Powertrain Control Module (diagnosis address 0001)

- U058500: Invalid Data Received From Active Grille Air Shutter Module "A", Passive/Sporadic
— Symptom 42496
- P2EAA00: Active Radiator Air Flow Control Module "A" Control Circuit Performance, Passive/Sporadic
— Symptom 42672

The following entry is logged in the Electronic central electric (diagnosis address 0009)

- U14FE00: Secure Onboard Communication Signature inspection failed, Active/Static
— Symptom 15401216
- U14FF00: Secure Onboard Communication Signature creation failed, Active/Static
— Symptom 15401472

The following entry is logged in the Airbag (diagnosis address 0015)

- U112100: Databus missing message, Active/Static
— Symptom 1078528

The following entry is logged in the Data Bus OBD Interface (diagnosis address 0019)

- B114DF2: Multifunction Steering Wheel Control Module implausible message, Active/Static
— Symptom 1376305
- U105400: Information electronics control module 1 No communication, Passive/Sporadic
— Symptom 2244723
- U164300: Ethernet Rearview Camera System Control Module no communication, Active/Static
— Symptom 2494569

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- U166300: Ethernet Application server 3 for system 1 infotainment no communication, Passive/Sporadic
— Symptom 2498824
 - U164200: Ethernet Emergency Call Module no communication, Passive/Sporadic
— Symptom 2502759
 - U164600: Ethernet antenna module no communication, Passive/Sporadic
— Symptom 2502842
 - B131D29: Sirens / alarm horn for anti-theft warning system Range/Performance, Passive/Sporadic
— Symptom 267032
 - U112100: Databus missing message, Passive/Sporadic
— Symptom 528917
— Symptom 540677
 - P30F400: No function support HV to NV at a standstill, HV SOC, Passive/Sporadic
— Symptom 8397315
 - U012200: Lost Communication With Vehicle Dynamics Control Module, Passive/Sporadic
— Symptom 8398618
— Symptom 8398619
 - U029200: Lost Communication With Drive Motor Control Module "B", Active/Static
— Symptom 8398626
 - U112300: Databus error value received, Passive/Sporadic
— Symptom 8471814
 - U112100: Databus missing message, Passive/Sporadic
— Symptom 8472065
 - U14FE00: Secure Onboard Communication Signature inspection failed, Active/Static
— Symptom 8491266
 - U173E00: Occupant detection Function restriction due to implausible message, Passive/Sporadic
— Symptom 8511745
— Symptom 8511746
 - U112100: Databus missing message, Passive/Sporadic
— Symptom 8515586
 - B17E0F0: Charging connector lock Plug not locked, Passive/Sporadic
— Symptom 8515633
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- B1AF9F0: HV coordinator Charging not initiated, Passive/Sporadic
— Symptom 8515664
 - P1CC300: External charging infrastructure Malfunction, Passive/Sporadic
— Symptom 8516354
 - U163300: Powerline communication connection error, Passive/Sporadic
— Symptom 8516355
 - P0CF400: Control Pilot Circuit Range/Performance, Passive/Sporadic
— Symptom 8516368
 - C1249F6: Function limitation due to Safety functions for charging management (mechanical), Passive/Sporadic
— Symptom 8516406
 - P1DCB00: External charging infrastructure No charge readiness for charging socket A, Passive/Sporadic
— Symptom 8516869
 - B1CA2F0: Charging socket flap A Unlocking activation error, Passive/Sporadic
— Symptom 8516871
 - B1CA2F1: Charging socket flap A Locking mechanism activation error, Passive/Sporadic
— Symptom 8516873
 - P1DCF00: Charging socket B Emergency charging function active, Passive/Sporadic
— Symptom 8516877
 - P1DD100: Charge socket A Temperature active for emergency charging function, Passive/Sporadic
— Symptom 8516879
 - P1DD200: Charging socket B Temperature active for emergency charging function, Passive/Sporadic
— Symptom 8516880
 - U15FA00: EgoMaster Input data error, Passive/Sporadic
— Symptom 8540417
 - B200000: Faulty control module, Active/Static
— Symptom 8556801
 - U112200: Databus implausible message, Passive/Sporadic
— Symptom 8557314
 - B163002: predictive route data Signal malfunction, Active/Static
— Symptom 9371914
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- B163002: predictive route data Signal malfunction, Passive/Sporadic
 - Symptom 9371915
 - U195A00: Light control module safe condition adapted, Active/Static
 - Symptom 937984

The following entry is logged in the Information Electronics 1 (diagnosis address 005F)

- U174500: Rearview camera system control module Ethernet data bus implausible signal, Passive/Sporadic
 - Symptom 6725
- U111000: Function restriction due to communication interruption, Passive/Sporadic
 - Symptom 6967
 - Symptom 7223
 - Symptom 7250

The following entry is logged in the Rear view camera system (diagnosis address 006C)

- U112100: Databus missing message, Passive/Sporadic
 - Symptom 13705527
- U112100: Databus missing message, Active/Static
 - Symptom 13705529
- C135B01: Wiring for video signal to display Electrical malfunction, Passive/Sporadic
 - Symptom 282656

The following entry is logged in the Emergency call module and communication unit (OCU 4) (diagnosis address 0075)

- U138F00: Failure of clock synchronization, Passive/Sporadic
 - Symptom 1281792
- U14FE00: Secure Onboard Communication Signature inspection failed, Passive/Sporadic
 - Symptom 1375744
- B1916F4: Backup battery Service life critical, Passive/Sporadic
 - Symptom 1644276
- B1916F2: Backup battery flat, Passive/Sporadic
 - Symptom 1644784
- U112100: Databus missing message, Passive/Sporadic

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— Symptom 82

- B190211: LED in OCU button module Short circuit to Ground (GND), Passive/Sporadic

— Symptom 9458705

- B190212: LED in OCU button module Short circuit to B+, Passive/Sporadic

— Symptom 9458706

The following entry is logged in the Parking aid (diagnosis address 0076)

- B1B17F0: Parking Aid Control Module Trained parking function not available, Passive/Sporadic

— Symptom 12649088

- B1802F1: NV-Energy management Alarm triggered, Passive/Sporadic

— Symptom 13637456

The following entry is logged in the Hybrid battery management (diagnosis address 008C)

- U163F00: Hybrid/High-voltage battery system no communication with application server, Passive/Sporadic

— Symptom 42532

The following entry is logged in the Front sensor for drivers assistant systems (diagnosis address 00A5)

- U112100: Databus missing message, Passive/Sporadic

— Symptom 1124659

The following entry is logged in the High-voltage battery charger (diagnosis address 00C6)

- P31DD00: Charge socket A activation of connector lock electrical error, Active/Static

— Symptom 14750976

- P1CF400: Charge socket A, charge connector lock blocked, Passive/Sporadic

— Symptom 14750979

- U19FE00: High-Voltage Battery Charger Phase L1 missing, Active/Static

— Symptom 14752804

- U15A900: Intelligent charging function Function restriction, Passive/Sporadic

— Symptom 3276840

- B1AD0F0: Charging station Detection faulty, Active/Static

— Symptom 3280897

— Symptom 3280899

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- U14FE00: Secure Onboard Communication Signature inspection failed, Passive/Sporadic
— Symptom 5242881

The following entry is logged in the Application server 1 system 1 adaptive (diagnosis address 8123)

- U175D00: Software error Recovery update via basic setting required, Active/Static
— Symptom 479232
- P1CB500: Plug and Charge Communication error while installing a vehicle certificate, Active/Static
— Symptom 8495361

The following entry is logged in the Application server 1 system 2 Java (diagnosis address 8124)

- U175D00: Software error Recovery update via basic setting required, Active/Static
— Symptom 479232
- U111100: Function restriction due to missing message, Active/Static
— Symptom 8603057

The following entry is logged in the Application server 3 system 1 infotainment (diagnosis address 8125)

- B13C9F2: Multimedia system control head On/off switch, Active/Static
— Symptom 5688
- U111000: Function restriction due to communication interruption, Passive/Sporadic
— Symptom 7009
— Symptom 7178
— Symptom 7265

The following entry is logged in the Software Cluster Embedded 1 (diagnosis address C002)

- U175D00: Software error Recovery update via basic setting required, Active/Static
— Symptom 1796
— Symptom 1797
— Symptom 1798
- U14FD00: Secure Onboard Communication Time server not available, Passive/Sporadic
— Symptom 8491265
- U14FF00: Secure Onboard Communication Signature creation failed, Passive/Sporadic
— Symptom 8491267



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Warranty

Information only.

Required Parts and Tools

No Special Parts required.

| Tool Description | Tool No: |
|---------------------|----------------------------------------------------------------------------------------------------------|
| VAS Diagnostic Tool | VAS 6150/X & VAS 6160/X with ODIS Service with current online updates GFF version 2.47.6 or higher |

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.