



01-21-10 - Irrelevant Diagnostic Trouble Codes (DTCs) Logged in Various Control Units

Release date: 10/18/2021

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
ID.4	2021 – 2022	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2064412/1	10/18/21	01-21-10	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.937.012L and software version 0123.

If a warning triangle symbol is shown for a suggested test plan (figure 1), then the test plan 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
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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 for 'Control modules', 'Orders', 'DISS', 'TSB', 'Test plan', 'Operation', and 'Special Functions'. Below this, 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', which is expanded to show details for '0003 - Brake Electronics' with the code '20485 C124800' and the description 'Function restriction due to implausible signal (00101110 passive/sporadic)'. A dialog box titled 'Unauthorized DTC memory entries' is overlaid on the screen, containing the 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?' with 'Yes' and 'No' buttons. At the bottom of the interface, there are buttons for 'Perform test...' and 'Docume...'.

Figure 2

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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.

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 entries are logged in the engine control unit (diagnosis address 0001):

- P068B00: main relay opens too late, passive/sporadic
 - Symptom 15239
- U044700: diagnosis interface for data bus module 1, implausible signal, passive/sporadic
 - Symptom 23076
- U041600: ESC implausible signal
 - Symptom 38468
- U122900: for driver assist systems implausible, passive/sporadic
 - Symptom 31949
- P2EAC00: control unit 1 for active radiator ventilation malfunction, passive/sporadic
 - Symptom 42669
- U011000: control unit for electric drive, electric drive no communication, passive/sporadic
 - Symptom 21634
- U303500: communication monitoring authentication signal invalid, passive/sporadic
 - Symptom 43491



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The following entry is logged in the brake electronics control unit (diagnosis address 0003):

- C124800: restricted function due to implausible signal, passive/sporadic
 - Symptom 20485

The following entries are logged in the vehicle display unit control unit (diagnosis address 007E):

- B13B901: video cable for information electronics 1, electric fault, passive/sporadic
 - Symptom 9582602
- U112100: data bus, missing message, passive/sporadic
 - Symptom 16777102

The following entry is logged in the control unit for the hybrid battery management (diagnosis address 008C):

- P0A1F00: control unit for battery management, malfunction, passive/sporadic
 - Symptom 42130

The following entries are logged in the adaptive cruise control unit (diagnosis address 0013):

- B200500: data string invalid, passive/sporadic
 - Symptom 624 or
 - Symptom 625
- U112200: data bus, implausible message, passive/sporadic
 - Symptom 2063
- U112100: data bus, missing message, passive/sporadic
 - Symptom 1076

The following entry is logged in the steering column electronics control unit (diagnosis address 0016):

- U112100: data bus, missing message, passive/sporadic
 - Symptom 131380

The following entries are logged in the data bus control unit (diagnosis address 0019):

- C1249F5: restricted function because of safety functions of charge management, passive/sporadic
 - Symptom 8516406



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- C1249F6: restricted function because of safety functions of charge management (mechanical), passive/sporadic
 - Symptom 8516406
 - B163002: predictive route data signal error, active static/passive sporadic
 - Symptom 9371914 or
 - Symptom 9371915
 - U15FA00: EgoMaster fault, input data, active static/passive sporadic
 - Symptom 8540417
 - U166300: Ethernet application server 3 for system 1 infotainment, no communication, active static/passive sporadic
 - Symptom 2498824
 - U164600: Ethernet aerial module, no communication - active/static
 - Symptom 2502842
 - U165500: Ethernet control unit, front camera for driver assist systems, no communication, passive/sporadic
 - Symptom 2494543
 - U164300: Ethernet reversing camera control unit, no communication – active static/passive sporadic
 - Symptom 2494569
 - U14FE00: Safe onboard communication, signature check failed, passive/sporadic
 - Symptom 8491266
 - U166200: application server 1 for system 2, Java internal fault, passive/sporadic
 - Symptom 2498823
 - B163002: predictive route data, signal error, passive/sporadic
 - Symptom 9371915
 - P1A8500: 12V test pulse diagnosis not possible, active static/passive sporadic
 - Symptom 8397062
 - U166100: application server 1 for system 1, adaptive internal fault, passive/sporadic
 - Symptom 2498822
 - U112100: data bus, missing message, passive/sporadic
 - Symptom 8515586



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- U164200: Ethernet emergency call module, no communication, passive/sporadic
 - Symptom 2502759
 - U163C00: Ethernet control unit, adaptive cruise control, no communication, passive/sporadic
 - Symptom 2494551
 - U164400: Ethernet control unit for digital sound package, no communication, active static/passive sporadic
 - Symptom 2498671
 - C113E00: software fault detected, passive/sporadic
 - Symptom 338
 - U164500: Ethernet infotainment control unit 1, no communication, active static/passive sporadic
 - Symptom 2498675
 - U162600: EEPROM heating controls energy management implausible, active static/passive sporadic
 - Symptom 8397827
 - U14A800: Ethernet data bus branch 11, no communication, passive/sporadic
 - Symptom 1049259

The following entry is logged in the braking assistance control unit (diagnosis address 0023):

- U005600: instrument cluster/running gear CAN, no communication, passive/sporadic
 - Symptom 2101863

The following entry is logged in the infotainment control unit (diagnosis address 005F):

- U174500: reversing camera control unit, Ethernet data bus, implausible signal, passive/sporadic
 - Symptom 6725

The following entries are logged in the reversing camera control unit (diagnosis address 006C):

- U112100: data bus, missing message, passive/sporadic
 - Symptom 13705529
- B127D4B: rear overhead view camera, excess temperature, passive/sporadic
 - Symptom 9600331
- B127C4B: front overhead view camera, excess temperature, passive/sporadic
 - Symptom 9600075



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- B127E4B: left overhead view camera, excess temperature, passive/sporadic
 - Symptom 9600587
 - B127F4B: right overhead view camera, excess temperature, passive/sporadic
 - Symptom 9600843
 - B186101: rear camera voltage supply, electric fault - passive/sporadic
 - Symptom 9986305
 - B186201: front camera voltage supply, electric fault - passive/sporadic
 - Symptom 9986561
 - B186301: left camera voltage supply, electric fault - passive/sporadic
 - Symptom 9986817
 - B186401: right camera voltage supply, electric fault - passive/sporadic
 - Symptom 9987073
 - B127801: line for video signal of front camera, electric fault, passive/sporadic
 - Symptom 9598977
 - B127901: line for video signal of rear camera, electric fault, passive/sporadic
 - Symptom 9899233
 - B127A01: line for video signal of left camera, electric fault, passive/sporadic
 - Symptom 9599489
 - B127B01: line for video signal of right camera, electric fault, passive/sporadic
 - Symptom 9599745

The following entry is logged in the emergency call module control unit (diagnosis address 0075):

- U14FE00: safe onboard communication, signature check failed protection, active static/passive sporadic
 - Symptom 1375744



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The following entries are logged in the front camera for driver assist systems control unit (diagnosis address 00A5):

- U112100: data bus, missing message, passive/sporadic
 - Symptom 1124755
- U112300: received error value for data bus, passive/sporadic
 - Symptom 1124496 or
 - Symptom 1124497

The following entries are logged in the actuator for exterior noise control unit (diagnosis address 00C0):

- U112300: received error value for data bus, active static/passive sporadic
 - Symptom 4194347

The following entries are logged in the high voltage battery charger control unit (diagnosis address 00C6):

- U112100: data bus, missing message, passive/sporadic
 - Symptom 13705218
- U15BF00: intelligent charging, faulty communication, passive/sporadic
 - Symptom 3276854
- B1AD0F0: charging station recognition faulty, passive/sporadic
 - Symptom 3280902 or
 - Symptom 3280899

The following entry is logged in the aerial module control unit (diagnosis address 8107):

- U14FE00: Safe onboard communication, signature check failed, passive/sporadic
 - Symptom 1375744

The following entry is logged in the sound enrichment control unit (diagnosis address 8116):

- U112300: received error value for data bus, active static/passive sporadic
 - Symptom 4194347



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The following entries are logged in the control unit for application server 3, system 1 infotainment system (diagnosis address 8125):

- B13C9F2: multimedia system operating unit, on-off switch, active static/passive sporadic
 - Symptom 5688
- U111000: restricted function because of communication problem, passive/sporadic
 - Symptom 7179

The following entries are logged in the software cluster embedded 1 control unit (diagnosis address C002):

- U167900: distance calculation faulty, passive/sporadic
 - Symptom 8667137
- U177800: application server 1, system 2, Java software fault detected, active static/passive sporadic
 - Symptom 1801

Warranty

Information only.

Required Parts and Tools

No Special Parts required.

No Special Tools required.

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.