



STAR ONLINE PUBLICATION



Case Number: S2623000024

Release Date: April 2026

Symptom/Vehicle Issue: U0422-00 Implausible Data From BCM Set In Central ADAS Decision Module (CADM).

Models Affected:

2025-2026 Ram 1500 (DT)
2021-2026 Jeep Grand Cherokee (WL)
2022-2026 Jeep Wagoneer (WS)

Customer Complaint/Technician Observation: Owner complains of a cluster message "Active Driving Assist Service Required" or "No Hands-Free Service Required" along with the following conditions: Active Driving Assist or Hands-Free Active Driving Assist inoperative, ADA/Steering Wheel orange MIL present on the cluster. Technician finds diagnostic CADM Trouble Code (DTC) U0422 IMPLAUSIBLE DATA RECEIVED FROM BODY CONTROL MODULE set.

Discussion: Obtain a Vehicle Scan Report (VSR) using wiTECH. Review the environmental data for CADM U0422-00 DTC looking for the "DTC_Reason_Byte1". See Fig 1.

1. Does the environmental data show the following value(s)?

"ERR_ST_HOD_NOT_EUQAL_ZERO_RSN" OR "ERR_ST_HOD!=0"

<<<Yes>>> Proceed to step 2

<<<No>>> continue with standard diagnostic testing.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous case details that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.



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ENVIRONMENTAL DATA SUMMARY

CADM | U0422-00 | Stored | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
DTC_Reason_Byte1 (First Confirmed)	ERR_ST_HOD_NOT_EUQAL_ZERO_RSN	
System Voltage	13.9	V
Original Internal Temperature	41	°F
Internal DTC Decode Byte 1	FFFF	
Internal DTC Decode Byte 2	FFFF	
Internal DTC Decode Byte 3	FFFF	
System Voltage	13.9	V
DTC_Reason_Byte1 (Most Recent)	ERR_ST_HOD_NOT_EUQAL_ZERO_RSN	
Most Recent Internal Temperature	41	°F
Internal DTC Decode Byte 1	FFFF	
Internal DTC Decode Byte 2	FFFF	
Internal DTC Decode Byte 3	FFFF	

CADM | U0422-00 | Stored | Implausible Data Received From Body Control Module-

NAME	VALUE	UNITS
DTC_Reason_Byte1 (First Confirmed)	ERR_ST_HOD!=0	
System Voltage	14.8	V
Original Internal Temperature	-2	°F
Internal DTC Decode Byte 1	Not Applicable	
Internal DTC Decode Byte 2	Not Applicable	
Internal DTC Decode Byte 3	Not Applicable	
DTC_Reason_Byte1 (Most Recent)	ERR_ST_HOD!=0	
System Voltage	14.8	V
Most Recent Internal Temperature	-2	°F
Internal DTC Decode Byte 1	Not Applicable	
Internal DTC Decode Byte 2	Not Applicable	
Internal DTC Decode Byte 3	Not Applicable	

Fig 1
Environmental Data

- Using wiTECH, navigate to “System Tests” tab of the CADM. Select “SWSM Steering Wheel Hands on detection functional check”. Follow the on-screen instructions to test the capacitive touch sensor of the steering wheel (Fig 2). Then proceed to step 3.

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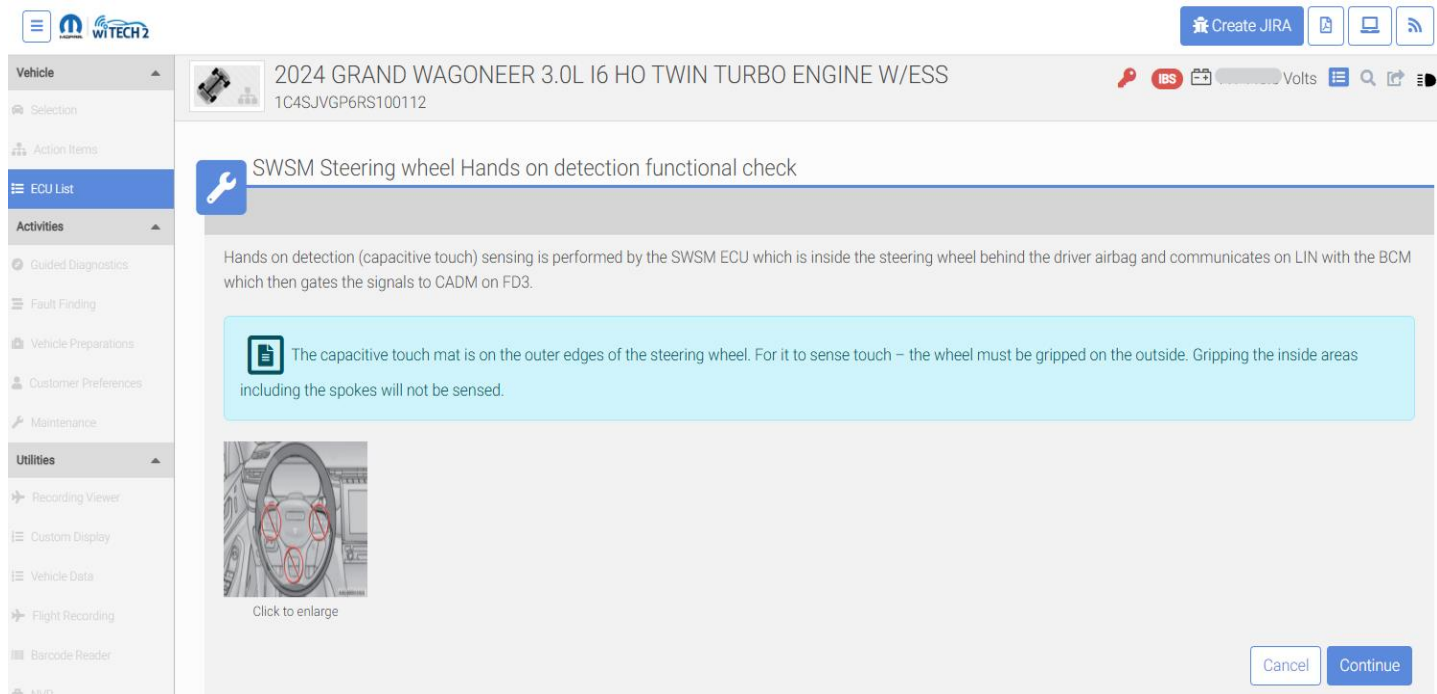


Fig 2.
Steering Wheel Capacitance Test

3. If the test results show there is no change with hands present on and off the wheel (failed test results), the steering wheel will require replacement. Refer to Service Library 19 - Steering / Column / WHEEL, Steering / Removal and Installation.
4. After replacement verify the U0422 code set in the CADM module is now stored. If stored, the code can be cleared. Then perform a road test to confirm the code does not return.

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