

# Electronics Inspection Report

Certificate ID: INSP-00311

Issue date: 25/03/2026



2021 BMW iX3

WB7Y7X41030S044318

Inspection result

**PASSED**

Vehicle has passed all inspection checks

## Summary



Vehicle Diagnostics

Perform a diagnosis

17 faults



Inspection Checklist

All checklist items have been verified and approved

8 of 8 checklist items completed

This certificate was issued on behalf of  
Caralyzr



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8/8 steps answered · Caralyzr Caralyzr · 25/03/2026, 11:39

## Check Drive System Communication

**CE1409** Message (request of front axle speed) not current, receiver EME, transmitter DSC · **Passive** **CE1405** Message (request of rear axle speed) not current, receiver EME, transmitter DSC · **Passive** **CE140A** Message (request of front axle speed) checksum incorrect, receiver EME, transmitter DSC · **Passive** **CE1406** Message (request of rear axle speed) checksum incorrect, receiver EME, transmitter DSC · **Passive**

**Yes** 1. Is the dashboard free of any warnings related to the drive system or stability control?

Caralyzr Caralyzr · 2026-03-25T11:36:30.540801+00:00

**Yes** 2. Do live data streams for front and rear axle speeds from the DSC module show valid, current values while stationary?

Caralyzr Caralyzr · 2026-03-25T11:36:30.540801+00:00

**Yes** 3. Is the system free of any audible abnormalities from the electric drive system while stationary?

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## Verify Driver Assistance System Signals

**D16DED** Signal (driver assistance, convenience function and safety function) invalid, transmitter DSC / SAS · **Passive** **D1D47D** Signal (data function of alertness assistant, 251.3.8) invalid, transmitter ACSM · **Passive** **D1D609** Signal (warning brake coordinator status, 45.2.4) invalid, transmitter DSC / VIP · **Passive** **O3083A** FAS: Emergency Stop Assistant activation not possible · **Passive** **D1D5AD** Signal (longitudinal vehicle dynamics data 1, 57.2.4) invalid, transmitter DSC / VIP · **Passive** **D1D621** Signal (odometry, vehicle 1, 54.0.2) invalid, transmitter DSC / VIP · **Passive** **D1ED97** Signal (detection of driving condition, face detection) invalid, transmitter DCS · **Passive**

**Yes** 1. Is the dashboard free of any warning lights or messages related to driver assistance systems (e.g., ABS, ESP, emergency brake)?

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**Yes** 2. Do live data streams for vehicle dynamics and alertness assistant status from the DSC and ACSM modules show valid signals?

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**Yes** 3. Does the Emergency Stop Assistant function appear to be available and not deactivated in system data?

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## Final steps

**Yes** 1. Clear fault codes

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**Yes** 2. Upload new report

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# Diagnostics report

Report ID: INSP-00311  
Inspection date: 24/03/2026



## Report result

# FAILED

## Perform a diagnosis

Based on the uploaded diagnostic report(s), this vehicle's electronic state indicates one or more electronic warnings at the time of measurement. Further review is recommended.

Vehicle details	Year	Make	Model	Odometer	VIN Number
	2021	BMW	iX3	63071km	WBY7X41030S044318

## Vehicle Diagnostics

See page 2 for full details

17

TOTAL FAULTS

1

ACTIVE

16

PASSIVE / SPORADIC

7

MODULES

This Vehicle Diagnostics Report reflects the electronic condition of the vehicle at the time of measurement, based on the uploaded source report(s). The inspection is limited to the electronic status of the following systems: ADAS, High Voltage, Lighting Systems, ABS, Telematics, Suspension & Steering, Engine & Drivetrain, Climate Control, and Comfort & Convenience. This report does not cover mechanical, structural, visual, or functional aspects of the vehicle. Results may vary due to data completeness, vehicle configuration, software versions, and diagnostic tool output. Caralyzr uses artificial intelligence and an evolving automotive database to analyze vehicle data. While care is taken to provide accurate insights, errors or incomplete information may occur.

Report name	Date & time	Device used
2021_04 BMW Vehicle Diagnostic Report_WBY7X41030S044318_20251120171015.pdf	24/03/2026 11:20	MaxiSys MS909&ADAS



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Fault codes	Status
BDC (Body Domain Controller)	
• 030E0B: Power management: Abort emergency recharge	Active
EME (Electrical Machine Electronics )	
• CE1405: Message (request of rear axle speed) not current, receiver EME, transmitter DSC	Passive
• CE1406: Message (request of rear axle speed) checksum incorrect, receiver EME, transmitter DSC	Passive
• CE1409: Message (request of front axle speed) not current, receiver EME, transmitter DSC	Passive
• CE140A: Message (request of front axle speed) checksum incorrect, receiver EME, transmitter DSC	Passive
EPS (Electric Power Steering)	
• D51A3E: Signal (vehicle speed, 55.3.4) invalid, transmitter DSC	Passive
FRSF (Long-distance range front radar sensor)	
• D16DED: Signal (driver assistance, convenience function and safety function) invalid, transmitter DSC / SAS	Passive
PMA (Parking Manoeuvring Assistant)	
• 803207: Ultrasonic sensors: Extraneous noise detected	Passive
• D42DA1: Signal (odometry vehicle 1) invalid, transmitter DSC / VIP	Passive
• D42DA9: Signal (vehicle movement actual vector) invalid, transmitter DSC / VIP	Passive
SAS2 (Optional Equipment System 2)	
• 03083A: FAS: Emergency Stop Assistant activation not possible	Passive
• D1D47D: Signal (data function of alertness assistant, 251.3.8) invalid, transmitter ACSM	Passive
• D1D5AD: Signal (longitudinal vehicle dynamics data 1, 57.2.4) invalid, transmitter DSC / VIP	Passive
• D1D609: Signal (warning brake coordinator status, 45.2.4) invalid, transmitter DSC / VIP	Passive
• D1D621: Signal (odometry, vehicle 1, 54.0.2) invalid, transmitter DSC / VIP	Passive
• D1ED97: Signal (detection of driving condition, face detection) invalid, transmitter DCS	Passive
SMFA (Driver Seat Module)	
• 802A1E: SMFA: No seat adjustment is possible due to engine start	Passive

# 2021\_04 BMW Vehicle Diagnostic Report

## Vehicle Information

 2021\_04/BMW/X'iX3\_-/-  
 VIN: WBY7X41030S044318

 Odometer Reading: 63071km  
 License Plate: --


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## Customer Information

Name: --

Tel: --

## Device information

 Scanner: MaxiSys MS909&ADAS  
 Version: V5.10-18.02

 Serial Number: VA9GPAV01245  
 Repair Order Number:  
 VA9GPAV0124520251120170947101

## System Scanned ( 33 )

System		Status/DTC
DSC (Dynamic Stability Control)		✓ 0
ACSM (Airbag-Advanced Crash Safety Module)		✓ 0
KOMBI (Instrument Cluster)	ADAS	✓ 0
HRSNL (Left Rear Radar Sensor Near Range)	ADAS	✓ 0
SRSNVR (Right Front Side Radar Sensor Near Range)	ADAS	✓ 0
BDC (Body Domain Controller)		✗ 1
TRSVCA (All Round View Camera)	ADAS	✓ 0
SME (Storage Management Electronics)		✓ 0
HRSNR (Right Rear Radar Sensor Near Range)	ADAS	✓ 0
HKFM (Rear Tailgate Function Module)		✓ 0
ZGM (Central Gateway Module)		✓ 0
EME (Electrical Machine Electronics )		✗ 4
FRSF (Long-distance range front radar sensor)	ADAS	✗ 1
SAS2 (Optional Equipment System 2)		✗ 6
SRSNVL (left Front Side Radar Sensor Near Range)	ADAS	✓ 0
PMA (Parking Manoeuvring Assistant)	ADAS	✗ 3
EPS (Electric Power Steering)		✗ 1
RAM (Receiver audio module)		✓ 0
VIP (Virtual integration system)		✓ 0
CCU (Combined Charging Unit)		✓ 0

FLEL (Frontal Light Electronics Left)	ADAS	✓ 0
FLER (Frontal Light Electronics Right)	ADAS	✓ 0
DCS (Driver Camera System)	ADAS	✓ 0
FZD (Roof Function Center)		✓ 0
KAFAS (Camera-Based Driver-Assistance Systems)	ADAS	✓ 0
GWS (Gear Selector Switch)		✓ 0
TCB (Combox Emergency Call)		✓ 0
HUH (Headunit High)	ADAS	✓ 0
CON (Controller)		✓ 0
SMFA (Driver Seat Module)		✗ 1
AHM (Trailer Module)		✓ 0
VDP (Vertical dynamics platform)		✓ 0
IHKA (Integrated Automatic Heating And A/C System)		✓ 0

## DTC (17)

### BDC (Body Domain Controller) ( 1 DTC )

DTC	Description	Status
030E0B	Power management: Abort emergency recharge	Permanent

### EME (Electrical Machine Electronics) ( 4 DTCs )

DTC	Description	Status
CE1409	Message (request of front axle speed) not current, receiver EME, transmitter DSC	Intermittent
CE1405	Message (request of rear axle speed) not current, receiver EME, transmitter DSC	Intermittent
CE140A	Message (request of front axle speed) checksum incorrect, receiver EME, transmitter DSC	Intermittent
CE1406	Message (request of rear axle speed) checksum incorrect, receiver EME, transmitter DSC	Intermittent

### FRSF (Long-distance range front radar sensor) ( 1 DTC )

DTC	Description	Status
D16DED	Signal (driver assistance, convenience function and safety function) invalid, transmitter DSC / SAS	Intermittent

### SAS2 (Optional Equipment System 2) ( 6 DTCs )

DTC	Description	Status
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D1D47D	Signal (data function of alertness assistant, 251.3.8) invalid, transmitter ACSM	Intermittent
D1D609	Signal (warning brake coordinator status, 45.2.4) invalid, transmitter DSC / VIP	Intermittent
03083A	FAS: Emergency Stop Assistant activation not possible	Intermittent
D1D5AD	Signal (longitudinal vehicle dynamics data 1, 57.2.4) invalid, transmitter DSC / VIP	Intermittent
D1D621	Signal (odometry, vehicle 1, 54.0.2) invalid, transmitter DSC / VIP	Intermittent
D1ED97	Signal (detection of driving condition, face detection) invalid, transmitter DCS	Intermittent

### PMA (Parking Manoeuvring Assistant) ( 3 DTCs )

DTC	Description	Status
803207	Ultrasonic sensors: Extraneous noise detected	Intermittent
D42DA1	Signal (odometry vehicle 1) invalid, transmitter DSC / VIP	Intermittent
D42DA9	Signal (vehicle movement actual vector) invalid, transmitter DSC / VIP	Intermittent

### EPS (Electric Power Steering) ( 1 DTC )

DTC	Description	Status
D51A3E	Signal (vehicle speed, 55.3.4) invalid, transmitter DSC	Intermittent

### SMFA (Driver Seat Module) ( 1 DTC )

DTC	Description	Status
802A1E	SMFA: No seat adjustment is possible due to engine start	Intermittent

### Technician Notes

Customer name: \_\_\_\_\_

Technician: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Please save a copy of this report for your records.