

Inspection Report

This report is created by

LAUNCH

Vehicle Information

VIN: WDDNG86X87A116691

Vehicle manufacturer/model: MERCEDES-BENZ/S-Class 4 MATIC

Year of manufacture: 2007

Vehicle Software Version: V50.25

Inspection Organization

Name:

Address:

Contact Number: ☎

SN: 960745010064

Time and date of inspection: 2024-01-11 20:04:16

Inspection Result

There are 14 issues for Power system:

- 1.The Signal From Component Y3/8n3(Output Speed sensor(VGS)) Is Not Available.
- 2.No CAN Message Was Received From Control Unit Engine Management.
- 3.No CAN Message Was Received From Control Unit Engine Management.
- 4.Terminal 30: Undervoltage / NOT PRESENT
- 5.Terminal 30B: NOT PRESENT / Undervoltage Supply
- 6.Undervoltage Supply
- 7.The Selector Lever Was Moved To Position 'N' By The Driver At A Speed > 8 km/h(5 mph). If No Customer Complaint Exists, The Fault Can Be Erased.
- 8.CAN Controller: CAN Bus OFF
- 9.The Consumer Shutoff Is Active.
- 10.Component G1/4(Starter Battery) Has Undervoltage.
- 11.Control Module N82/1(Vehicle Power Supply Control Module) Has Detected Overvoltage.
- 12.Component G1(Vehicle Electrical System Battery) Has Undervoltage.
- 13.No CAN Message Received From Component N47-5(ESP Control Unit).
- 14.The CAN Message Regarding The Status Of The HOLD function(ADAPTIVE BRAKE) Of Control Unit N47-5(ESP Control Unit) Was Not Received.

There are 1 issues for Chassis system:

- 1.The Supply Voltage Of Component N88(TPM(Tempomat) [RDK] Control Unit) Is Too Low(Undervoltage).

There are 15 issues for Safety and Security system:

- 1.The supply voltage of the control unit is too low (undervoltage).
- 2.Chassis CAN bus:No CAN message was received from control unit Engine control module.
- 3.Internal Control Unit Reset By Program(Further Test: Press Button F3 Or F7.)
- 4.The Supply Voltage Of The Control Unit Is Too Low(Undervoltage).
- 5.No CAN Message Was Received From Control Unit N47-5(ESP Control Unit).
- 6.B8/5(Center Right Front PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.
- 7.B8/8(Inner Right Rear PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.
- 8.B8/1(Outer Left Front PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.
- 9.B8/10(Outer Left Rear PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.
- 10.B8/3(Inner Left Front PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.
- 11.B8/2(Center Left Front PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.
- 12.Undervoltage Supply
- 13.Internal Control Unit Reset By Program(Further Test: Press Button F3 Or F7.)
- 14.The Supply Voltage Of The Control Unit Is Too Low(Undervoltage).
- 15.No CAN Message Was Received From Control Unit N47-5(ESP Control Unit).

There are 55 issues for Vehicle body system:

- 1.The Supply Voltage Of The Control Unit Is Too Low(Undervoltage).
- 2.Control Unit ASSYST Is Not Receiving Any Messages From The Engine Compartment CAN Bus.
- 3.Component E2e5(Right Turn Signal Lamp) OR Component E1e5(Left Turn Signal Lamp) Is Faulty Or The Line To The Component Has A Short Circuit Or Open Circuit.
- 4.Component E1e5(Left Turn Signal Lamp) OR Component E2e5(Right Turn Signal Lamp) Is Faulty Or The Line To The Component Has A Short Circuit Or Open Circuit.
- 5.Component Switch Illumination Or Line To Component Has Short Circuit Or Open Circuit.
- 6.The Coolant Level Is Too Low Or The Line To Component S41(Coolant Level Indicator Switch) Has An Open Circuit.
- 7.The Washer Fluid Level Is Too Low Or The Line To Component S42(Windshield Washer Fluid Level Indicator Switch) Has An Open Circuit.
- 8.No CAN Message Was Received From Control Unit N93(Central Gateway Control Module).
- 9.Local Undervoltage Of Component M6/6(Master Wiper Motor)
- 10.Circuit 30 Has An Undervoltage Of < 10.5 V.
- 11.Circuit 30 Has An Undervoltage Of < 8 V.
- 12.Circuit 30 Has An Undervoltage Of < 7 V.
- 13.No CAN Message Was Received From Control Unit A6(STH Or HB Heater Unit).
- 14.The MOST Network Was Shut Down Due To Insufficient Battery Voltage.
- 15.The COMAND Software Is Not Up To Date. (Not Standard Status)
- 16.The Supply Voltage Is Too High Or Too Low.
- 17.MOST Master Reports Open Ring.
- 18.CD/DVD Drive : CD Or DVD Cannot Be Ejected.
- 19.The Supply Voltage Of Control Unit N69/4(Right Rear Door Control Unit) Is Too Low(Undervoltage). Undervoltage Is Detected At A Voltage < 8.5 V.

- 20.S21/22(Right Rear Door Power Window/Roller Blind Switch Group):component S21/22s3(Left Rear Power Window And Side Window Roller Blind Switch) Hanging.
- 21.S21/22(Right Rear Door Power Window/Roller Blind Switch Group):component S21/22s1(Right Rear Power Window And Side Window Roller Blind Switch) Hanging.
- 22.S21/22(Right Rear Door Power Window/Roller Blind Switch Group):component S21/22s4(Rear Window Roller Blind Switch) Hanging.
- 23.The Supply Voltage Of Control Unit N69/3(Left Rear Door Control Unit) Is Too Low(Undervoltage). Undervoltage Is Detected At A Voltage < 8.5 V.
- 24.Terminal 30 Has Undervoltage Or Overvoltage.
- 25.B32/2(AAC Sun sensor(4 In Total)) : Communication Fault Of AC Bus
- 26.The Supply Voltage Of The Control Unit Is Too Low (Undervoltage).
- 27.The Mirror Lens Adjustment On Left Has Open Circuit.
- 28.The Mirror Heater Has Open Circuit.
- 29.Component E6/5(Left Exterior Mirror Turn Signal Lamp) Has Open Circuit.
- 30.Signal From Potentiometer M21/1r2(Mirror Adjustment Up/Down Potentiometer) Of Mirror Adjustment Is Faulty.
- 31.Signal From Potentiometer M21/1r3(Mirror In/Out Adjustment Potentiometer) Of Mirror Adjustment Is Faulty.
- 32.The Supply Voltage Of Control Unit N69/1(Left Front Door Control Unit) Is Too Low(Undervoltage). Undervoltage Is Detected At A Voltage < 8.5 V.
- 33.Component E18/5(Left Trunk Lamp) Is Faulty Or The Line To The Component Has A Short Circuit Or Open Circuit.
- 34.Component R3/1(Rear Cigar Lighter) Is Faulty Or The Line To The Component Has An Open Circuit.
- 35.There Is A Discontinuity In The Line To Component X58/12(Luggage Compartment Socket) Or The Component Is Defective.
- 36.Circuit 30 Has An Undervoltage Of < 10.5 V.
- 37.Circuit 30 Has An Undervoltage Of < 8 V.
- 38.Circuit 30 Has An Undervoltage Of < 7 V.
- 39.The Voltage Was Less Than 9 V During 5 s.
- 40.No CAN Message Was Received From Control Unit CGW.
- 41.No CAN Message Was Received From Control Unit COMAND.
- 42.No CAN Message Was Received From Control Unit COMAND.
- 43.No CAN Message Was Received From Control Unit Engine Control Module.
- 44.No CAN Message Was Received From Control Unit Engine Control Module.
- 45.No CAN Message Was Received From Control Unit Engine Control Module.
- 46.No CAN Message Was Received From Control Unit EZS.
- 47.Undervoltage Supply
- 48.B67/1(Left Front Keyless Go Sensor Unit) : PERMANENTLY ACTUATED
- 49.Fault In CAN Communication With Control Unit N73(Electronic Ignition Lock Control Unit).
- 50.Fault In CAN Communication With Control Unit N82/1(Vehicle Power Supply Control Module). or Fault In CAN Communication With Control Unit N10/1(Front SAM Control Unit With Fuse And Relay module).
- 51.Fault In CAN Communication With Control Unit A40/3(COMAND Control Unit).
- 52.The Supply Voltage Of The Control Unit Is Too Low(Undervoltage).
- 53.The Right Mirror Housing Adjustment Has Open Circuit.
- 54.The Mirror Heater Has Open Circuit.

55.The Supply Voltage Of Control Unit N69/2(Right Front Door Control Unit) Is Too Low(Undervoltage).
Undervoltage Is Detected At A Voltage < 8.5 V.

There are 1 issues for Infotainment system:

1.The Supply Voltage Of The Control Unit Is Too Low (Undervoltage).

Inspections are normal for Power system

1.ECM - Engine Control Module(ME)

Inspections are normal for Chassis system

1.Suspension(Chassis CAN Bus)

Inspections are normal for Safety and Security system

1.EPB - Electric Parking Brake(Front End CAN Bus)

2.SCM[MRM] - Steering Column Module(Chassis CAN Bus)

3.SRS - Supplemental Inflatable Restraint System(Chassis CAN Bus)

Inspections are normal for Vehicle body system

1.ASSYST PLUS(Diagnose CAN Bus)

2.System Diagnosis(Diagnosis CAN Bus)

3.XALWA_L - Xenon Headlamp, Left(Front End CAN Bus)

4.SOUND - Bass Amplifier

5.XALWA_R - Xenon Headlamp, Right(Front End CAN Bus)

6.TELE AID - Emergency Call, Stolen Vehicle Tracking, MB Info, Roadside Assistance, Remote Door Unlocking, Remote Door Locking

7.ESA_FL - Electric Seat Adjustment Front Left(Interior CAN Bus)

8.ESA_FR - Electric Seat Adjustment Front Right(Interior CAN Bus)

Inspections are normal for Infotainment system

1.VCS - Voice Control(Linguatronic)

2.CTEL - Mobile Phone Adapter With Universal Interface

3.Tuner - Radio Tuner With Amplifier

Professional Report

VCS - Voice Control(Linguatronic)

Normal 

ASSYST PLUS(Diagnose CAN Bus)

Normal 

EPB - Electric Parking Brake(Front End CAN Bus)

Normal 

System Diagnosis(Diagnosis CAN Bus)

Normal 

CGW - Central Gateway(Central CAN Bus)

Abnormal 1 

DTC Qty (1)

9010 The Supply Voltage Of The Control Unit Is Too Low(Undervoltage).
Stored

ECM - Engine Control Module(ME) Normal ▾

ABR - Adaptive Brake(Chassis CAN Bus) Abnormal 2 ^

DTC Qty (2)

6000 The supply voltage of the control unit is too low (undervoltage).
STORED

6108 Chassis CAN bus:No CAN message was received from control unit
Engine control module.
STORED

RevETR_LF - Left Front Reversible Emergency Tensioning Retractor(Chassis CAN Bus) Abnormal 3 ^

DTC Qty (3)

5302 Internal Control Unit Reset By Program(Further Test: Press Button
F3 Or F7.)
Stored

5401 The Supply Voltage Of The Control Unit Is Too Low(Undervoltage).
Stored

5101 No CAN Message Was Received From Control Unit N47-5(ESP
Control Unit).
Stored

CTEL - Mobile Phone Adapter With Universal Interface Normal ▾

PTS - PARKTRONIC(Interior CAN Bus) Abnormal 6 ^

DTC Qty (6)

9012 B8/5(Center Right Front PTS Ultrasonic Sensor) : The Sensor Is Not
Properly Fastened/Assembled Or There Is An Obstacle Near The
Sensor.
Stored

901E B8/8(Inner Right Rear PTS Ultrasonic Sensor) : The Sensor Is Not
Properly Fastened/Assembled Or There Is An Obstacle Near The
Sensor.
Stored

9002	B8/1(Outer Left Front PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.	Stored
9026	B8/10(Outer Left Rear PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.	Stored
900A	B8/3(Inner Left Front PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.	Stored
9006	B8/2(Center Left Front PTS Ultrasonic Sensor) : The Sensor Is Not Properly Fastened/Assembled Or There Is An Obstacle Near The Sensor.	Stored

ASSYST Active Service System(Diagnose CAN Bus) Abnormal 1 ^

DTC Qty (1)

8704	Control Unit ASSYST Is Not Receiving Any Messages From The Engine Compartment CAN Bus.	Stored
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Suspension(Chassis CAN Bus) Normal v

TCM - Transmission Control Module(Drive Train CAN Bus) Abnormal 3 ^

DTC Qty (3)

0722	The Signal From Component Y3/8n3(Output Speed sensor(VGS)) Is Not Available.	Stored
C100	No CAN Message Was Received From Control Unit Engine Management.	Stored
D10B	No CAN Message Was Received From Control Unit Engine Management.	Stored

SAM_DR - Driver Signal Acquisition And Actuation Module(Interior CAN Bus) Abnormal 10 ^

DTC Qty (10)

90A0	Component E2e5(Right Turn Signal Lamp) OR Component E1e5(Left Turn Signal Lamp) Is Faulty Or The Line To The Component Has A Short Circuit Or Open Circuit.	Stored
90A1	Component E1e5(Left Turn Signal Lamp) OR Component E2e5(Right Turn Signal Lamp) Is Faulty Or The Line To The Component Has A Short Circuit Or Open Circuit.	Stored
90D0	Component Switch Illumination Or Line To Component Has Short Circuit Or Open Circuit.	Stored
9101	The Coolant Level Is Too Low Or The Line To Component S41(Coolant Level Indicator Switch) Has An Open Circuit.	Stored
9102	The Washer Fluid Level Is Too Low Or The Line To Component S42(Windshield Washer Fluid Level Indicator Switch) Has An Open Circuit.	Stored
9119	No CAN Message Was Received From Control Unit N93(Central Gateway Control Module).	Stored
9121	Local Undervoltage Of Component M6/6(Master Wiper Motor)	Stored
9200	Circuit 30 Has An Undervoltage Of < 10.5 V.	Stored
9201	Circuit 30 Has An Undervoltage Of < 8 V.	Stored
9202	Circuit 30 Has An Undervoltage Of < 7 V.	Stored

WSS - Weight Sensing system(USA)(Interior CAN Bus)

Abnormal 1 ^

DTC Qty (1)

C001	Undervoltage Supply	Stored
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EZS - Electronic Ignition Switch(Interior CAN Bus)

Abnormal 3 ^

DTC Qty (3)

9005	Terminal 30: Undervoltage / NOT PRESENT	Stored
9006	Terminal 30B: NOT PRESENT / Undervoltage Supply	Stored
9001	Undervoltage Supply	Stored

UCP - Upper Control Panel(Interior CAN Bus)

Abnormal 1 ^

DTC Qty (1)

9027	No CAN Message Was Received From Control Unit A6(STH Or HB Heater Unit).	Current and stored
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XALWA_L - Xenon Headlamp, Left(Front End CAN Bus)

Normal v

TPMS - Tire Pressure Monitoring System(Interior CAN Bus)

Abnormal 1 ^

DTC Qty (1)

9010	The Supply Voltage Of Component N88(TPM(Tempomat) [RDK] Control Unit) Is Too Low(Undervoltage).	Stored
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COMAND - COMAND With Integral Telematics gateway(MOST Network Management, Diagnosis Gateway)

Abnormal 5 ^

DTC Qty (5)

D015	The MOST Network Was Shut Down Due To Insufficient Battery Voltage.	Stored
DFFF	The COMAND Software Is Not Up To Date. (Not Standard Status)	Current and stored
D014	The Supply Voltage Is Too High Or Too Low.	Stored

D100	MOST Master Reports Open Ring.	Stored
D241	CD/DVD Drive : CD Or DVD Cannot Be Ejected.	Stored

ISM - Intelligent Servo Module(Drive Train CAN Bus) Abnormal 1 ^

DTC Qty (1)

1991	The Selector Lever Was Moved To Position 'N' By The Driver At A Speed > 8 km/h(5 mph). If No Customer Complaint Exists, The Fault Can Be Erased.	Stored
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DCM_RR - Door Control Module Rear Right(Interior CAN Bus) Abnormal 4 ^

DTC Qty (4)

9021	The Supply Voltage Of Control Unit N69/4(Right Rear Door Control Unit) Is Too Low(Undervoltage). Undervoltage Is Detected At A Voltage < 8.5 V.	Stored
9031	S21/22(Right Rear Door Power Window/Roller Blind Switch Group):component S21/22s3(Left Rear Power Window And Side Window Roller Blind Switch) Hanging.	Stored
9032	S21/22(Right Rear Door Power Window/Roller Blind Switch Group):component S21/22s1(Right Rear Power Window And Side Window Roller Blind Switch) Hanging.	Stored
9034	S21/22(Right Rear Door Power Window/Roller Blind Switch Group):component S21/22s4(Rear Window Roller Blind Switch) Hanging.	Stored

DCM_RL - Door Control Module Rear Left(Interior CAN Bus) Abnormal 1 ^

DTC Qty (1)

9021	The Supply Voltage Of Control Unit N69/3(Left Rear Door Control Unit) Is Too Low(Undervoltage). Undervoltage Is Detected At A Voltage < 8.5 V.	Stored
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SOUND - Bass AmplifierNormal **AC - Air Conditioning(Interior CAN Bus)**Abnormal 2 **DTC Qty (2)**

900B	Terminal 30 Has Undervoltage Or Overvoltage.	Stored
960D	B32/2(AAC Sun sensor(4 In Total)) : Communication Fault Of AC Bus	Stored

ZAN - Central DisplayAbnormal 1 **DTC Qty (1)**

D010	The Supply Voltage Of The Control Unit Is Too Low (Undervoltage).	Stored
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DCM_FL - Door Control Module Front Left(Interior CAN Bus)Abnormal 6 **DTC Qty (6)**

9006	The Mirror Lens Adjustment On Left Has Open Circuit.	Stored
900A	The Mirror Heater Has Open Circuit.	Stored
900E	Component E6/5(Left Exterior Mirror Turn Signal Lamp) Has Open Circuit.	Stored
9012	Signal From Potentiometer M21/1r2(Mirror Adjustment Up/Down Potentiometer) Of Mirror Adjustment Is Faulty.	Stored
9013	Signal From Potentiometer M21/1r3(Mirror In/Out Adjustment Potentiometer) Of Mirror Adjustment Is Faulty.	Stored
9021	The Supply Voltage Of Control Unit N69/1(Left Front Door Control Unit) Is Too Low(Undervoltage). Undervoltage Is Detected At A Voltage < 8.5 V.	Stored

REAR SAM - Rear Signal Acquisition And Actuation Module(Interior CAN Bus)

Abnormal 6 ^

DTC Qty (6)

90B1	Component E18/5(Left Trunk Lamp) Is Faulty Or The Line To The Component Has A Short Circuit Or Open Circuit.	Stored
9164	Component R3/1(Rear Cigar Lighter) Is Faulty Or The Line To The Component Has An Open Circuit.	Stored
9166	There Is A Discontinuity In The Line To Component X58/12(Luggage Compartment Socket) Or The Component Is Defective.	Stored
9210	Circuit 30 Has An Undervoltage Of < 10.5 V.	Stored
9211	Circuit 30 Has An Undervoltage Of < 8 V.	Stored
9212	Circuit 30 Has An Undervoltage Of < 7 V.	Stored

BNS - Vehicle Power Supply Control Module(Chassis CAN Bus)

Abnormal 7 ^

DTC Qty (7)

9013	CAN Controller: CAN Bus OFF	Stored
9014	The Consumer Shutoff Is Active.	Stored
9016	Component G1/4(Starter Battery) Has Undervoltage.	Stored
9017	Control Module N82/1(Vehicle Power Supply Control Module) Has Detected Overvoltage.	Stored
9018	Component G1(Vehicle Electrical System Battery) Has Undervoltage.	Stored

9026	No CAN Message Received From Component N47-5(ESP Control Unit).	Stored
902C	The CAN Message Regarding The Status Of The HOLD function(ADAPTIVE BRAKE) Of Control Unit N47-5(ESP Control Unit) Was Not Received.	Stored

OCP - Overhead Control Panel(Interior CAN Bus) Abnormal 2 ^

DTC Qty (2)

9001	The Voltage Was Less Than 9 V During 5 s.	Stored
C0E1	No CAN Message Was Received From Control Unit CGW.	Stored

IC - Instrument Cluster(Central CAN Bus) Abnormal 5 ^

DTC Qty (5)

C037	No CAN Message Was Received From Control Unit COMAND.	Stored
C02F	No CAN Message Was Received From Control Unit COMAND.	Stored
C012	No CAN Message Was Received From Control Unit Engine Control Module.	Stored
C002	No CAN Message Was Received From Control Unit Engine Control Module.	Stored
C025	No CAN Message Was Received From Control Unit Engine Control Module.	Stored

Tuner - Radio Tuner With Amplifier Normal v

RevETR_RF - Right Front Reversible Emergency Tensioning Retractor(Chassis CAN Bus) Abnormal 3 ^

DTC Qty (3)

5302	Internal Control Unit Reset By Program(Further Test: Press Button F3 Or F7.)	Stored
5401	The Supply Voltage Of The Control Unit Is Too Low(Undervoltage).	Stored
5101	No CAN Message Was Received From Control Unit N47-5(ESP Control Unit).	Stored
XALWA_R - Xenon Headlamp, Right(Front End CAN Bus)		Normal <input type="checkbox"/>
KG - Keyless GO(Interior CAN Bus)		Abnormal 3 <input type="checkbox"/>
DTC Qty (3)		
93B0	No CAN Message Was Received From Control Unit EZS.	Stored
9010	Undervoltage Supply	Stored
9110	B67/1(Left Front Keyless Go Sensor Unit) : PERMANENTLY ACTUATED	Stored
TELE AID - Emergency Call, Stolen Vehicle Tracking, MB Info, Roadside Assistance, Remote Door Unlocking, Remote Door Locking		Normal <input type="checkbox"/>
COU[ZBE] - Central Operating Unit(Telematic CAN Bus)		Abnormal 4 <input type="checkbox"/>
DTC Qty (4)		
D951	Fault In CAN Communication With Control Unit N73(Electronic Ignition Lock Control Unit).	Stored
D954	Fault In CAN Communication With Control Unit N82/1(Vehicle Power Supply Control Module). or Fault In CAN Communication With Control Unit N10/1(Front SAM Control Unit With Fuse And Relay module).	Stored
D953	Fault In CAN Communication With Control Unit A40/3(COMAND Control Unit).	Stored

D010 The Supply Voltage Of The Control Unit Is Too Low(Undervoltage).
Stored

SDAR - Satellite Radio(Valid for(USA)) Abnormal 1 ^

DTC Qty (1)

D010 The Supply Voltage Of The Control Unit Is Too Low (Undervoltage).
Stored

SCM[MRM] - Steering Column Module(Chassis CAN Bus) Normal v

ESA_FL - Electric Seat Adjustment Front Left(Interior CAN Bus) Normal v

SRS - Supplemental Inflatable Restraint System(Chassis CAN Bus) Normal v

DCM_FR - Door Control Module Front Right(Interior CAN Bus) Abnormal 3 ^

DTC Qty (3)

9008 The Right Mirror Housing Adjustment Has Open Circuit.
Stored

900A The Mirror Heater Has Open Circuit.
Current and stored

9021 The Supply Voltage Of Control Unit N69/2(Right Front Door Control Unit) Is Too Low(Undervoltage). Undervoltage Is Detected At A Voltage < 8.5 V.
Stored

ESA_FR - Electric Seat Adjustment Front Right(Interior CAN Bus) Normal v

Disclaimer

This inspection report is for reference only. All data provided in this report is based on static data, detailed dynamic and/or live diagnostic data should be generated by a professional maintenance tool. Launch is not liable for any fault or accident caused thereby.