



Technical Service Bulletin

00 Replacement control module is unable to be coded

00 23 77 2071338/2 October 16, 2023. Supersedes Technical Service Bulletin Group 00 number 23-72 dated September 8, 2023, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q7, SQ7, Q8, SQ8, and RS Q8	2023 – 2024	All	Not Applicable
A4, A4 allroad, S4, A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, S5 Sportback, RS, RS 5 Sportback, A6, A6 allroad, S6, RS 6 Avant, A7, S7, RS 7, A8, S8, e-tron GT, RS e-tron GT, Q5, Q5 e quattro, Q5 Sportback, SQ5, SQ5 Sportback, Q8 e-tron quattro, Q8 Sportback e-tron, SQ8 e-tron quattro, and SQ8 Sportback e-tron	2024		

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>header</i> (Added Model Year 23 for Q8)
1	09/08/2023	Initial publication

Workshop findings:

After a control unit has been replaced, it is not possible to complete the replacement test plan (Figure 1).



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Coding not successful

The following event has occurred:

- ◆ The coding of the following control module could **not** be performed:
005F - Information electronics 1

Selection

1. Repeat coding
2. Cancel coding of the following control module and complete possible further repair suggestions
005F - Information electronics 1
3. Cancel program for Software Version Management (SVM)

Figure 1: ODIS error seen during module programming.

Technical Background

On certain MY 23/24 vehicles, a temporary coding solution is in place during updates to backend systems.

Production Solution

Once backend updates are completed, normal replacement process will resume and this TSB will be retired.

Service

NOTICE

During this time, the following control units can only be coded with the help of the manufacturer. If a module NOT listed below is failing to code, this TSB does not apply. Continue with normal diagnosis.

The following control units are affected by this TSB:

MLBevo, gen 1 A4, A5, Q5			MLBevo gen. 2 A6, A7, A8, Q7, Q8, Q8 e-tron, e-tron GT		
Diagnostic address	Module	Designation	Diagnostic address	Module	Designation
0001	Engine	Engine control unit	0001	Engine	Engine control unit or drive system control unit
0002	Gearbox	Gearbox control unit - AL	0003	ESC	Brake control system



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0002	Gearbox	Gearbox control unit - DL	0015	SC2	Safety computer 2
0003	ESC	Brake control system	0019	GW3 Mid 3.1 UNECE	GW Mid-G2-S-9-8A-4B GW Mid-G2-S-4-8A-4B GW Mid-G2-S-4-8A GW Mid-G1-S-4-8A GW Mid-G1-S-4-4A
0013	ACC LRR	Adaptive cruise control (long-range radar master)	0023	EBKV (EBS)	Electromechanical brake servo (iBooster)
0015	SC	Safety computer 1b	002B	ELV (ESCL)	Steering column lock
0019	GW3 Mid 3.1 UNECE	GW Mid-G2-S-4-8A-4B GW Mid-G2-S-4-8A-4B GW Mid-G1-S-4-8A GW Mid-G1-S-4-4A GW Mid-G2-S-4-8A	0044	EPS (RC)	Electronic power steering
0023	EBKV (EBS)	Electromechanical brake servo	0046	BCM2	Body Control Module 2 (convenience system central module)
002B	ELV (ESCL)	Steering column lock	0051, 00CE	LE	Power electronics PWR 560A
0044	EPS (APA)	Electronic power steering	005F	ZR	MIB3 (ORU-enabled)
0046	BCM2	Body Control Module 2 (convenience system central module)	0069	AAG	Trailer hitch module
0051	LE	Power electronics LE EPF2.8 (P-HEV) AU536x, AU65x	0075	ConBox	Connectivity box
0051	LE	Power electronics LE FPE (P-HEV), AU426x, AU58x	008C	BMC	Battery Management Controller
005F	ZR	MIB3 (ORU-enabled)	00C0	aSound	Active exterior sound
0075	ConBox	Connectivity box	00C5	TME	Thermal Management



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008B	ACC2 LRR	Adaptive cruise control (long-range radar slave)	00C6	OBC	Charging electronics (on-board charger) 7.2kW
008C	BMC	Battery Management Controller	00C6, 8113	OBC	Charging electronics (on-board charger) 11kW C-BEV
00A5	BVS	Image processing control unit, MLBevo gen. 1	00CB	HAL	Rear wheel steering
00AE	TBox	Telemetry diagnostic control unit	0616	INRUE_NGS / IRUE	Interior monitoring/tilt sensor
00C5	TME	Thermal management for electric vehicles	06EB	NFC_TGS	NFC reader for driver door handle
00C6	OBC	Charging electronics (on-board charger) 7.2kW	070B	NFC_MiKo	NFC reader for phone box/centre console
			8107	DDA	Digital roof aerial Aerial module



Tip: Please read through all content below before proceeding. In an effort to reduce the complexity of the remote coding session, all points below should be strictly adhered to. Lack of preparation will result in delays and possibly re-scheduling of appointment.

Pre-requisites:

- MY 24 vehicle model and control module matches table above.
- Unrestricted internet access to ODIS tester.
- ODIS tester **MUST** be at the latest software level to support the remote coding session.
- Microsoft Teams installed on scan tool (Teams icon on desktop).
- Install Vector Remote Access Point onto scan tool.
- Technician can login to email on scan tool.
- Technician has a headset with microphone connected to scan tool.
- Technician availability of approximately 2 hours.



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Using the steps below, prepare for the remote coding session:

Install Vector Remote Access Point:

1. Copy and paste the link below into your web browser:
<https://portal.vector.com/shared/55185888-4f70-4b99-beef-0cb2aff8e127>
2. **VectorRemoteAccessPoint2.1.3.msi** will be downloaded to the “Downloads” folder.
3. Double click the file to install the tool.



Tip: If the file downloads with a “.txt” extension, you must delete the “.txt” extension for the tool to install.

- File must read exactly as:
VectorRemoteAccessPoint2.1.3.msi

To access the tool during the coding session:

- Search “vector” from the windows desktop search bar.
- Click the Vector icon and accept the prompt when the tool opens.

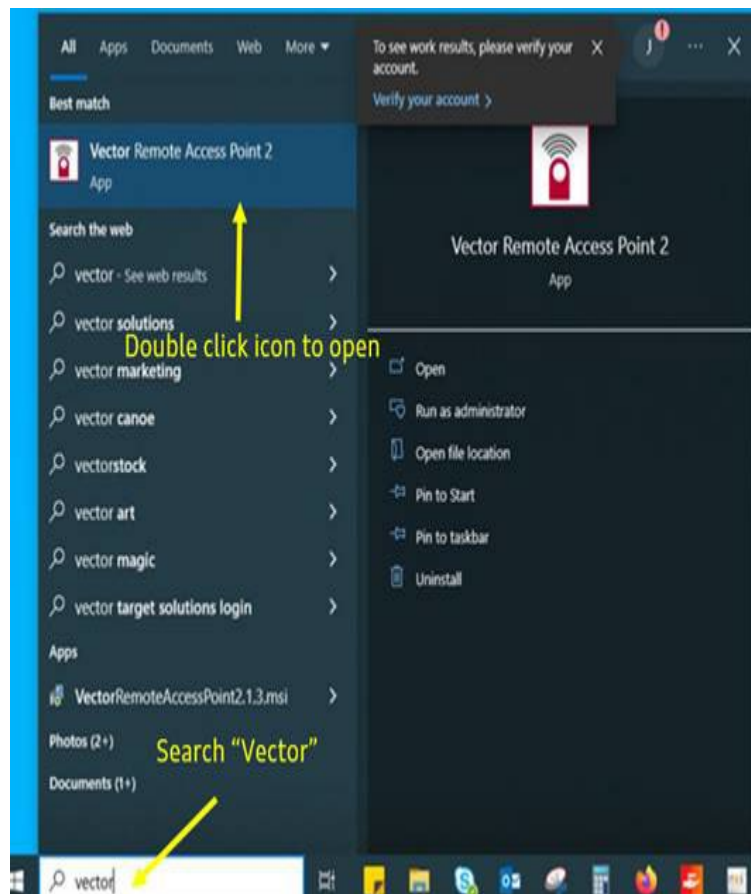


Figure 2: How to access Vector Remote Access Point.



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Install Microsoft Teams:

1. Copy and paste the link below into your web browser
<https://www.microsoft.com/en-us/microsoft-teams/group-chat-software>
2. Click “Download Teams” in upper right hand side of website, follow on screen prompts to complete install.
3. Teams Icon should appear on the windows desktop

Schedule a coding session:

1. Email the manufacturer at
Audi-control-unit-initialization@audi.de
2. Compose email as follows (Figure 3):

Subject:

- USA – Remote coding support – VIN

Body:

- VIN
- Module address affected.
- Is module on hand?
- When is module going to arrive?
- Contact name and phone number for the individual working on car.
- Dealer code.

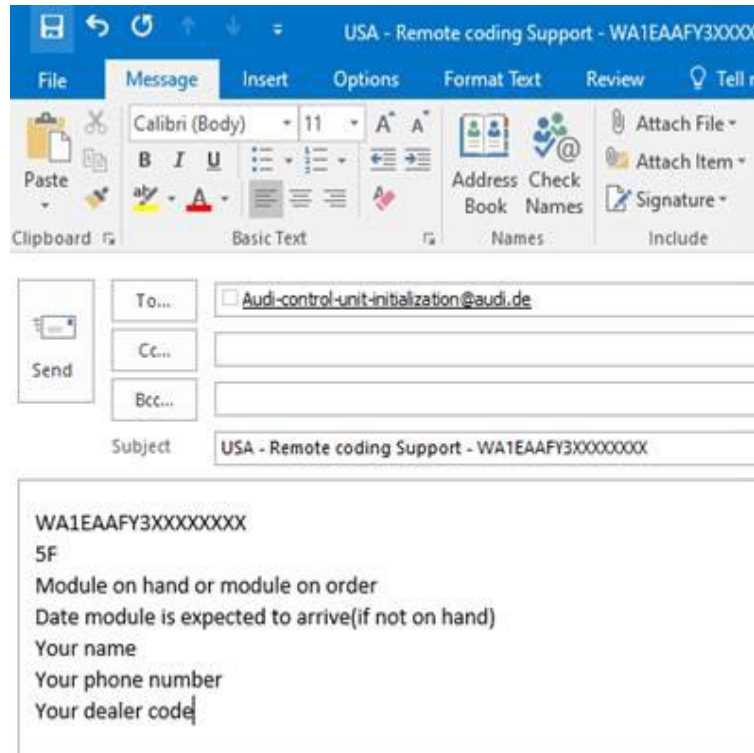


Figure 3: Example email, layout to be used.

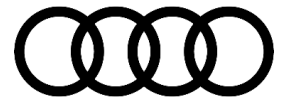


Tip: Order module ahead of session if possible

3. An Audi representative will contact you back at the email used to coordinate a coding session.
4. Technician will receive an email invite which will include a link to the Microsoft Teams meeting.

Prepare for the coding session:

- Ensure a battery maintainer is connected.
- Ensure ODIS tester to be used is at latest SW level.



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- New module is installed in the vehicle.
- Diagnostic head is hardwired between the vehicle and ODIS tester.
- ODIS tester hardwired to internet access point (if possible).
- Connect a wired headset with microphone for the coding session.
- **DO NOT** have ODIS started at this point.

Coding Session:

1. Using the ODIS tester, connect to the Microsoft Teams session using the link from your email.
2. Start the Vector access point (see figure 2 above).
3. Copy/paste the Vector session ID and PW into teams chat window (red arrow figure 4).
4. Audi representative will carry out initial coding of the module using the Vector remote access point.
5. Once instructed, technician will start a new ODIS "Diagnosis" Session.
6. Work with the Audi representative throughout the coding process.
7. Once the remote coding session is complete, carry out any other subsequent work needed.

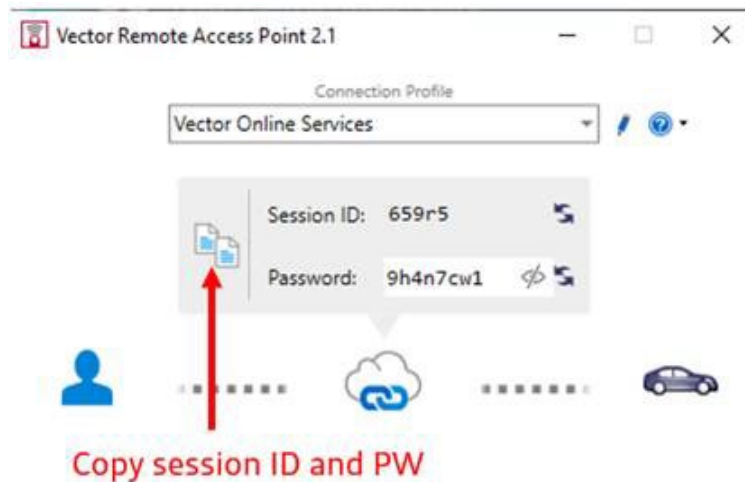


Figure 4: Use the copy button (red arrow) to copy the Session ID and PW.

Warranty

Claim Type:	<ul style="list-style-type: none"> • 110 Up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.
Service Number:	XXXX Use the service number and damage code which matches the module replaced.
Damage Code:	00XX



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Labor Operations:	Module replacement	Use SRT for module replaced	See SRT with associated operations
	Coding session	9005 2599	Max 200 TU
Diagnostic Time:	GFF	No allowance (included above)	0 TU
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	0121 0004	10
Claim Comment:	As per TSB 2071338/2		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

Tool Number	Tool Description
Microsoft Teams	https://www.microsoft.com/en-us/microsoft-teams/group-chat-software
Vector Remote Access Point	https://portal.vector.com/shared/55185888-4f70-4b99-beef-0cb2aff8e127
Wired headset with microphone	Locally sourced
VAS 6160/VAS 6150	VAS tester with the current version of ODIS (Windows 10)

Additional Information

All part and service references provided in this TSB (**2071338**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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