Service Alert

Mazda North American Operations Irvine, CA 92618-2922



Subject:

MAZDA CONNECT SYMPTOM TROUBLESHOOTING (7TH GENERATION VEHICLES)

Service Alert No.: SA-005/23

Last Issued: 05/31/2023

BULLETIN NOTES

This service alert supersedes the previously issued service alert listed below. The changes are noted in Red text.

Previous Service Alert:	Date(s) Issued:
SA-005/23	01/19/23
SA-004/22	12/14/22, 10/04/22, 09/08/22, 08/24/22, 06/09/22, 05/12/2 2, 04/04/22 and 02/01/22
SA-027/21	12/21/21, 09/28/21, 06/24/21 and 04/07/21
SA-027/20	10/16/20, 09/22/20, 09/11/20, 07/16/20, 06/23/20, 04/08/2 0, 03/19/2020 and 02/11/20
SA-042/19	12/12/19 and 09/25/19

APPLICABLE MODEL(S)/VINS:

2019-2023 Mazda3	2021-2023 CX-9	2024 CX-90
2020-2023 CX-30	2022-2023 MX-30	
2021-2023 CX-5	2023 CX-50	

DESCRIPTION

Customers having MAZDA CONNECT concerns should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

NOTE: Before proceeding:

- Document the vehicle's current MAZDA CONNECT CMU software version.
- 2019-2022 Models Go to TSB 16-004/22 and confirm the CMU Serial Number is not within the affected range.
- Document customer device Brand/Model/Model Number/software version on the repair order.
- Confirm that the Connectivity Master Unit (CMU) is updated to the latest software version.
 - Go to MGSS -> Infotainment -> MAZDA CONNECT Updates
 - Go to TSB 16-001/20 to view MAZDA CONNECT CMU software fix list.
- If possible, complete any one of the Microsoft Forms Questionnaires. Go to MGSS -> Infotainment -> MAZDA CONNECT Questionnaire.
- Confirm that the customer's device is compatible. Go to connect.mazda.com -> Support -> Compatibility.

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- Confirm that the customer's device is updated to the latest software version.
- If CMU log data collection is necessary, collect the data and continue troubleshooting using this document. If no failure is found, release the vehicle to the customer and inform them that the infotainment system data is being analyzed. Hotline will contact you at a later date with the results.
 - IMPORTANT NOTE:
 - Date and Time of the concern is required for data analysis.
 - Document Date and Time of the concern on the Repair Order and Siebel Hotline file.
 - If Date and Time of the concern is unknown, please provide an approximate date (within a 5-day period).
 - If Date and Time of the concern cannot be obtained, no need to collect CMU log data.
 - Customer MAZDA CONNECT Questionnaire is available to assist you in obtaining Date and Time of the concern (provide link to the customer).
- Apple Carplay/Android Auto FAQ, go to SA-001/19.
- If you suspect a counterfeit Navi SD card, ask the customer for proof of purchase.
 - IMPORTANT NOTE: If it cannot be determined to be counterfeit by visually looking at the label (the counterfeit label is perfect) and Mazda Toolbox is used, the VIN may be locked-out if a counterfeit SD card is detected and NNG will need to be contacted to unlock the VIN when a genuine Mazda SD card is purchased. See No. 12 How to update the Navigation SD Card Map.

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- No. 10 Cannot Play Bluetooth Audio
- No 11 How to Check VIN
- No. 12 How to update the Navigation SD Card Map
- No. 13 How to Check Navi SD Card VIN Lock
- No. 14 How to Report Navigation Map Error or Missing Location
- No. 15 Over the Air (OTA) CMU Software Update

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No. 1 Blank Screen

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Step	Inspection		Result	Action
			Yes	Go to step 2.
1	Is the Rear View Camera displayed?		No	Refer to No. 2. Rear View Camera is not displayed.
	Press and hold the Power But	ton. Is the screen	Yes	Normal Operation.
	displayed correctly?	21/ - 21/ -		
	Mazda3, CX-30, MX-30	CX-5, CX-9		
2			No	Go to step 3.
3	Press the "HOME" button. Is the	ne HOME screen	Yes	Normal Operation.
3	displayed correctly?		No	Go to step 4.
	Using M-MDS, are any infotair	ment evetem DTC'e	Yes	Go to MGSS for DTC diagnosis.
4	stored?	illient system D103	No	2019-2020 vehicles - Go to step 7. 2021-2022 vehicles - Go to step 5.
	Except CX-50 - Go to 16-004/22. Is the CMU Serial Number within the affected range? CX-50 - Go to Step 8		Yes	Replace the CMU per 16-004/22 instructions. Update the replacement CMU to the latest software version (see MGSS -> Infotainment/TCU -> MAZDA CONNECT Updates).
5				2021-2022 CX-5 and CX-9 - Update CMU software version to 7000C0A- NA03_11040 or later, then go to step 6. 2021-2022 Mazda3, CX-30 and MX-30 - Retrieve CMU log data and contact Hotline for additional support. Important Note
	2021 2022 CX 5 and CX 9 D	uid CMI Leoftware	Yes	Repair complete.
6	2021-2022 CX-5 and CX-9 - Did CMU software version 7000C0A-NA03_11040 or later correct customer concern?		No	Retrieve CMU log data and contact Hotline for additional support. Important Note
	2021-Current CX-5 - Inspect connector C-16 for		Yes	Repair as necessary.
7	corrosion due to liquid spill. Is corrosion found at C-16? Other models - Go to next step.		No	Go to next step.
8	Is there a device connected to	the LISR port?	Yes	Go to step 9.
	is there a device confidented to	me oop horr:	No	Go to step 10.
9	Disconnect the USB device. D	oes the display	Yes	USB device is not compatible.

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	function properly after USB device is disconnected?	No	Go to step 10.
10	Is the connector for the Center Display inserted		Go to step 11.
10	correctly?	No	Insert the connector correctly.
11	Are the connectors for the CMU inserted correctly?	Yes	Go to step 12.
11	Are the connectors for the Civio inserted correctly?	No	Insert the connectors correctly.
12	Is the CMU voltage out (PWR CTRL OUT) at 0920-	Yes	Go to step 13.
12	101A Terminal 1S, SB wire, of the CMU normal?	No	Go to step 14.
13	Swap the Center Display with good known vehicle.	Yes	Check / Replace the Center Display.
2	Is the screen display normal?	No	Go to step 14.
14	Swap the CMU with good known vehicle. Is the screen display normal?	Yes	Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition. Document customer device Brand/Model/Model Number/software version on the repair order.
			Repair / Replace wiring harness. Go to MGSS View Content -> Wiring Diagram -> Body and Accessories -> Entertainment System.

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No. 2 Rear View Camera is not displayed

Step	Inspection	Result	Action
	Using M-MDS, are any	Yes	Go to MGSS for DTC diagnosis.
1	infotainment system DTC's stored?	No	Go to step 2.
2	Is the vehicle equipped with 360	Yes	Go to step 3.
	View Monitor?	No	Go to step 4.
3	ls the Front Camera and Side	Yes	Check / Replace the 360 View Monitor control unit.
	Cameras displayed normally?	No	Go to step 4.
	Are images other than the Rear	Yes	Go to step 5.
	View Camera displayed?	No	Go to No. 1 Blank Screen.
_	Go to No 12 How to Check VIN	Yes	Go to step 6.
	Does the VIN match to customer vehicle VIN?	No	Swap CMU(s) to correct vehicle(s) or replace CMU.
11 6 1	Is the connector for the Rear View Camera Inserted correctly?	Yes	Go to step 7.
0		No	Insert the connector correctly.
7	s the connector for the Center	Yes	Go to step 8.
	Display Inserted correctly.	No	Insert the connector correctly.
11 × 1	Are the connectors for the CMU Inserted correctly.	Yes	Go to step 9.
Ŭ		No	Insert the connectors correctly.
	Swap the Rear View Camera with good known vehicle. Is the screen display normal?	Yes	Check / Replace the Rear View Camera See TSB 09-021/19.
		No	Go to Step 10.
	Swap the CMU with good known vehicle. Is the screen display normal?	Yes	Check / Replace the CMU. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition.
		No	Repair / Replace wiring harness. Go to MGSS View Content -> Wiring Diagram -> Body and Accessories -> Entertainment System.

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No. 3 Rebooting

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Step	Inspection	Result	Action
	Is the customers device a Doro 7050, 7060 phone that is connected	Yes	Update CMU software version to 7000C0A-NA01_ 11006 or later.
1	by bluetooth?	No	Go to next step.
2	Using M-MDS, are any infotainment	Yes	Go to MGSS for DTC diagnosis.
	system DTC's stored?	No	Go to step 3.
3	Does the reboot continue after	Yes	2019-2020 vehicles - Go to step 6. 2021-2022 vehicles - Go to step 4.
3	removing the Navigation SD card?	No	Check / Replace the Navigation SD card. Go to SA-014/21 if applicable.
	Except CX-50 - Go to 16-004/22. Is	Yes	Replace the CMU per 16-004/22 instructions. Update the replacement CMU to the latest software version (see MGSS -> Infotainment/TCU -> MAZDA CONNECT Updates).
	the CMU Serial Number within the affected range? CX-50 - Go to Step 6	No	2021-2022 CX-5 and CX-9 - Update CMU software version to 7000C0A-NA03_11040 or later, then go to step 5. 2021-2022 Mazda3, CX-30 and MX-30 - Retrieve CMU log data and contact Hotline for additional support. Important Note
	2021-2022 CX-5 and CX-9 - Did	Yes	Repair Complete.
	CMU software version 7000C0A- NA03_11040 or later correct customer concern?	No	Retrieve CMU log data and contact Hotline for additional support. Important Note
6	Is there a device connected to the	Yes	Go to step 7.
	USB port?	No	Go to step 8.
_	Disconnect the USB device. Does	Yes	USB device is not compatible.
7	the reboot stop after USB device is disconnected?	No	Go to step 8.
8	Does the reboot continue after	Yes	Go to step 9.
	ignition key OFF then back ON?	No	Check / Replace the CMU.

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			Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition. Document customer device Brand/Model/ Model Number/software version on the repair order.
9	Does the reboot continue after vehicle battery disconnect?	Yes	Check / Replace the CMU. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition. Document customer device Brand/Model/ Model Number/software version on the repair order.
		No	No repair needed.

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No. 4 Infotainment System Has No Sound

Step	Inspection	Result	Action
		Yes	 DTC U3000:49 stored, Mazda3, CX-30 built after 7/1/2021 - Update CMU to CMU_7000C0A-NA06_12012 or later. DTC U3000:49 stored, MX-30 - Update CMU to CMU_7000C0A-NA02_11036 or later. Except DTC U3000:49 - Go to MGSS for DTC diagnosis.
1	Using M-MDS, are any infotainment system DTC's stored?	No	 2021-2022 CX-5 and CX-9 - Update CMU software version to 7000C0A-NA03_11040 or later, then go to step 2. 2021-2022 Mazda3 and CX-30 built after July 1, 2021 - Update CMU software version to 7000C0A-NA06_12012 or later, then go to step 2. 2022 MX-30 - Update CMU software version to 7000C0A-NA02_11036 or later, then go to step 2. Except vehicles listed above - Go to step 3.
		Yes	Repair Complete.
2	 2021-2022 CX-5 and CX-9 2021-2022 Mazda3 and CX-30 2022 MX-30 Did CMU software correct customer concern? 	No	Go to step 3.
		Yes	Go to step 4.
3	Is sound normal other than navigation guidance?	No	Go to step 5.
	Can you hear the voice after raising		Normal Operation.
4	the navigation volume?	No	Go to step 6.
5	Can you hear sound after turning on	Yes	Normal Operation.
3	audio mode?	No	Go to step 7.
		Yes	Repair complete.
6	Replace the Navigation SD Card. Can you hear voice after Navigation SD Card replacement?	No	Check / Replace the CMU. • Retrieve CMU log data if possible before replacing the CMU. • Important Note

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			Document date and time of the condition.
7	Can you hear sound after raising the	Yes	Normal Operation.
	volume of audio?	No	Go to step 8.
8	<< Source: USB/iPod >> Are there any problems with the media and the music files? << Source: Radio >> Are there any problems with the antenna and the reception? << Source: Bluetooth Audio >> Are there any problems with Bluetooth?	Yes	<< Source: USB/iPod >> Check the media and the compatible files. << Source: Radio >> Check the antenna, the reception, and the Remote Tuner side. << Source: Bluetooth Audio >> Check the Bluetooth connection and the Bluetooth device.
	Bidetotii!	No	Go to step 9.
9	Go to MGSS "DIAGNOSTIC ASSIST FUNCTION [CONNECTIVITY MASTER UNIT (US)]" and perform Functional Inspection/ Adjustment -> Active Speaker Check Function -> Speaker Inspection. Did the Speaker Inspection Pass?	Pass	Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition. Document customer device Brand/Model/ Model Number/software version on the repair order.
		Fail	Go to step 10.
10	Is the connector for the Speaker(s)	Yes	Go to step 11.
10	that failed inserted correctly?	No	Insert the connector correctly.
11	Is the connector for the amplifier	Yes	Go to step 12.
	inserted correctly?	No	Insert the connector correctly.
12	Are the CMU connectors inserted	Yes	Go to step 13.
12	correctly?	No	Insert the connectors correctly.
13	Swap speakers from good known	Yes	Check / Replace the speakers.
	vehicle. Can you hear sound?	No	Go to step 14.
14	Swap the Amplifier from known good	Yes	Check / Replace the Amplifier.
17	vehicle. Can you hear sound?	No	Go to step 15.
15	Swap the Remote Tuner from known good vehicle. Can you hear sound?	Yes	Check / Replace the Remote Tuner Review the following for possible cause of Remote Tuner failure. • CX-30 - Review SA-035/21 and 09-020/21. • Mazda3 - Review 09-020/21. • CX-5 and CX-9 - Inspect Remote Tuner for external water corrosion. Contact the Mazda National Technical Hotline before attempting

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			any repairs.
		No	Go to step 16.
16	Swap the CMU from known good vehicle. Can you hear sound?	Yes	Check / Replace the CMU. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition. Document customer device Brand/Model/ Model Number/software version on the repair order.
		No	Repair/Replace wiring harness. Go to MGSS View Content -> Wiring Diagram -> Body and Accessories - > Entertainment System.

No. 5 Commander Switch Does Not Work

Step	Inspection	Result	Action	
1	Using M-MDS, are any infotainment	Yes	Go to MGSS for DTC diagnosis.	
'	system DTC's stored?		Go to step 2.	
2	Does the Commander Switch work		Go to step 3.	
	correctly?	No	Go to step 4.	
3	Does the Steering Wheel Switch work	Yes	Normal Operation.	
	correctly?	No	Go to step 5.	
4	Is fuse F13 missing?	Yes	Go to SA-025/19.	
4		No	Go to step 8.	
	Go to MGSS "DIAGNOSTIC ASSIST FUNCTION [CONNECTIVITY MASTER UNIT (US)]" Perform Functional Inspection/ Adjustment -> Steering SW Inspection - > Did the Steering SW Inspection Pass?	Pass	Go to step 6.	
5		Fail	Go to MGSS STEERING SWITCH INSPECTION.	
6	Is the connector for the CMU inserted		Go to step 7.	
0	correctly?	No	Insert the connector correctly.	
7	Swap the CMU from known good vehicle. Does the Steering Wheel Switch work correctly?	Yes	Check / Replace the CMU. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition.	

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		No	Repair/Replace wiring harness. Go to MGSS View Content -> Wiring Diagram -> Body and Accessories -> Entertainment System.	
8	Go to MGSS "DIAGNOSTIC ASSIST FUNCTION [CONNECTIVITY MASTER UNIT (US)]" Perform Functional Inspection/ Adjustment -> Touch Pad/Commander Inspection -> Commander switch inspection.	Pass	Check / Replace the CMU. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition.	
	Did the Commander switch inspection Pass?	Fail	Go to step 9.	
ıı u ı	Is the connector for the Commander Switch inserted correctly?	Yes	Go to step 10.	
		No	Insert the connector correctly.	
10	Are the CMU connectors inserted	Yes	Go to step 11.	
10	correctly?		Insert the connectors correctly.	
	Swap the Commander Switch with good	Yes	Check / Replace the Commander Switch.	
	known vehicle. Does the Commander Switch work correctly?		Go to step 12.	
	Swap the CMU from known good vehicle. Does the Commander Switch work correctly?	Yes	Check / Replace the CMU. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition.	
		No	Repair/Replace wiring harness. Go to MGSS View Content -> Wiring Diagram -> Body and Accessories -> Entertainment System.	

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No. 6 Bluetooth device will not pair

Step	Inspection	Result	Action
1	Using M-MDS, are any infotainment system DTC's stored?	Yes	Go to MGSS for DTC diagnosis.
l		No	Go to step 2.
2	Is Bluetooth enabled on the	Yes	Go to step 3.
	customers device?	No	Enable Bluetooth on the customers device.
3	Is the customers device paired to	Yes	Go to step 4.
J	the vehicle?	No	Pair the customers device to the vehicle.
4	Is the customers device selected in	Yes	Go to step 5.
	MAZDA CONNECT settings?	No	Select the customers device from Bluetooth settings.
_	Delete the device from MAZDA	Yes	Normal Operation.
5	CONNECT and then re-pair it. Does Bluetooth work correctly?	No	Go to step 6.
	Go to connect.mazda.com ->	Yes	Go to step 7.
6	Support -> Compatibility. Is the customers device compatible?	No	The customers device is not compatible.
		Yes	Go to step 8.
7	Does the same symptom occur on another same model/year vehicle?	No	 Check / Replace the CMU. Document customer device Brand/Model/Model Number/software version/occurrence of the condition on the repair order. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition.
		Yes	Vehicle operation is normal.
8	Reboot the customers device. Does Bluetooth work correctly?	No	Check / Replace the CMU. Document device model, software version and occurrence of the condition. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition. Document customer device Brand/Model/Model Number/software version on the repair order.

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No. 7 Incorrect GPS position

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Step	Inspection		Action
	Go to MAZDA CONNECT -> Navi menu, Travel	Yes	Normal Operation.
1	Information -> Where Am I? -> Settings -> GPS information -> Check Available Satellites. or Go to MGSS "DIAGNOSTIC ASSIST FUNCTION [CONNECTIVITY MASTER UNIT (US)]" and perform Functional Inspection/Adjustment -> Navi System Inspection -> Check GPS Received Level. Does the Navi system show correct vehicle position?		Go to step 2.
	Using M-MDS, are any of the following DTC's	Yes	Go to step 4.
2	stored? - B119F:13, GPS antenna signal circuit malfunction (short to power or open circuit) - B119F:2B, GPS antenna signal circuit malfunction (short to ground)		Go to step 3.
			Go to step 9.
3	Is the wheel and tire size correct according to the tire label?	No	Swap wheels/tires with correct size. If issue is fixed, inform the customer.
4	Is the GPS antenna connector secured properly?		Go to step 5.
4	is the GFG antenna connector secured property:	No	Insert the connector correctly.
5	Is the GPS wiring harness open or shorted?		Repair / Replace GPS wiring harness.
		No	Go to TSB 09-021/20.
6	Did TSB 09-021/20 resolve the concern?		Repair Complete.
	BIG 16B 66 62 1/26 16561V6 tile 661166111:	No	Go to step 7.
7	Are the CMU connectors secured properly?	Yes	Go to step 8.
	Are the Civio conhectors secured property:		Insert the connectors correctly.
8	Is the CMU wiring harness open or shorted?		Repair / Replace CMU wiring harness.
		No	Go to step 9.
			Repair completed.
9	Replace GPS antenna. Does the Navigation system show correct position?	No	 Check / Replace the CMU. Document date and time of the condition. Retrieve CMU log data if possible before replacing the CMU.

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			 Important Note Retrieve CMU backup data if possible before replacing the CMU.
10	Using M-MDS, is DTC B119F:49 stored?	Yes	Go to step 11.
10	(Communication error with GNSS)	No	Go to step 13.
11	Are the CMU connectors secured properly?	Yes	Go to step 12.
11	Are the Civio conhectors secured property?	No	Insert the connectors correctly.
		Yes	Repair / Replace CMU wiring harness.
12	Is the CMU wiring harness open or shorted?	No	 Check / Replace the CMU. Document date and time of the condition. Retrieve CMU log data if possible before replacing the CMU. Important Note Retrieve CMU backup data if possible before replacing the CMU.
	Check / Replace the CMU.	Yes	Repair completed.
 Document date and time of the condition. Retrieve CMU log data if possible before replacing the CMU. Retrieve CMU backup data if possible before replacing the CMU. Did DTC B119F:49 clear? 		No	Repair / Replace GPS antenna.

NOTE: Remove aftermarket GPS devices that may interfere with vehicle GPS antenna. Example: Some radar detectors may emit radio waves that interfere with the vehicle GPS antenna.

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No. 8 Voice Recognition Does Not Work

Step	Inspection	Result	Action
1	Using M-MDS, are any infotainment system DTC's		Go to MGSS for DTC diagnosis.
ı	stored?	No	Go to step 2.
	Go to MGSS "DIAGNOSTIC ASSIST FUNCTION	Pass	Go to step 3.
2	[CONNECTIVITY MASTER UNIT (US)]" and perform Functional Inspection/Adjustment -> Steering SW Inspection -> Did the Steering SW Inspection Pass?	Fail	Go to MGSS STEERING SWITCH INSPECTION.
3	Go to MGSS "DIAGNOSTIC ASSIST FUNCTION [CONNECTIVITY MASTER UNIT (US)]" and perform Functional Inspection/Adjustment -> Microphone Inspection -> Did the Microphone Inspection Pass?	Pass	Check / Replace the CMU. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition.
		Fail	Go to MGSS MICROPHONE INSPECTION.

No. 9 Cannot Make a Hands-Free Call

Step	Inspection	Result	Action	
	Using M-MDS, are any infotainment system DTC's stored?	Yes	Go to MGSS for DTC diagnosis.	
		No	Go to step 2.	
	Is Bluetooth enabled on the	Yes	Go to step 3.	
	customers device?	No	Enable Bluetooth on the customers device.	
	Is the customers device data	Yes	Go to step 4.	
3	service strength good?	No	Move to a location where data service strength is good and retest.	
	Is the customers device paired to the vehicle?	Yes	Go to step 5.	
4		No	Pair the customers device to the vehicle.	
	Is the customers device selected in MAZDA CONNECT settings?	Yes	Go to step 6.	
5		No	Select the customers device from Bluetooth settings.	
	Delete the device from MAZDA CONNECT and then re-pair it. Does Bluetooth work correctly?	Yes	Normal Operation.	
6		No	Go to step 7.	
	Go to connect.mazda.com -> Support -> Compatibility. Is the customers device compatible?	Yes	Go to step 8.	
′		No	The customers device is not compatible.	

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	ls				
8	Does the same symptom occur on another same model/year vehicle?	Yes	Go to step 9.		
		No	Go to step 10.		
9	Reboot the customers device. Does Bluetooth work correctly?	Yes	Vehicle operation is normal.		
9		No	Go to step 10.		
	Is the Bluetooth device in a place where radio waves may be blocked? (Behind or under a sheet, in a box, in a purse/bag, ext.)	Yes	Move the Bluetooth device away from hidden location.		
10		No	Go to step 11.		
11	Is the Bluetooth device contacting	Yes	Move the Bluetooth device away from metal objects.		
11	or blocked by metal objects?	No	Go to step 12.		
	Is a Bluetooth device and a USB device connected at the same time?	Yes	Disconnect other USB device.		
II		No	Go to step 13.		
13	Does the problem occur in a specific geological location only? Does the same symptom occur on another Bluetooth device?	Yes	Move to a different location. This may be caused by electrical interference by radio stations, specific small power radio stations, or amateur radio stations for mobile identification used in industrial, scientific and medical devices.		
		No	Go to step 14.		
4.4		Yes	Go to step 15.		
14		No	The customers device is not compatible.		
15	Does the voice recognition system operate using other functions such as Bluetooth Audio?	Yes	Check / Replace the CMU. Document customer device Brand/Model/Model Number/software version/occurrence of the condition on the repair order. Retrieve CMU log data if possible before replacing the CMU. Important Note Document date and time of the condition.		
		No	Go to No. 8 Voice Recognition Does Not Work.		

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No. 10 Cannot Play Bluetooth Audio

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Step	Inspection	Result	Action	
	Using M-MDS, are any		Go to MGSS for DTC diagnosis	
1	infotainment system DTC's stored?	No	Go to step 2.	
2	Is Bluetooth enabled on the	Yes	Go to step 3.	
2	customers device?	No	Enable Bluetooth on the customers device.	
	Is the customers device data	Yes	Go to step 4.	
3	service strength good?	No	Move to a location where data service strength is good and retest.	
	Is the customers device battery	Yes	Go to step 5.	
4	strength good?	No	Connect the customers device to a charger or recharge the device, then retest.	
5	Is the customers device paired to	Yes	Go to step 6.	
,	the vehicle?	No	Pair the customers device to the vehicle.	
6	Is the customers device selected in	Yes	Go to step 7.	
O	MAZDA CONNECT settings?	No	Select the customers device from Bluetooth settings.	
_	Delete the device from MAZDA CONNECT and then re-pair it. Does Bluetooth work correctly?	Yes	Normal Operation.	
7		No	Go to step 8.	
	Go to connect.mazda.com -> Support -> Compatibility. Is the customers device compatible?	Yes	Go to step 9.	
8		No	The customers device is not compatible.	
9	Does the same symptom occur on another same model/year vehicle?	Yes	Go to step 10.	
9		No	Go to step 11.	
10	Reboot the customers device. Does Bluetooth work correctly?	Yes	Vehicle operation is normal.	
10		No	Go to step 11.	
	Is the Bluetooth device in a place	Yes	Move the Bluetooth device away from hidden location.	
11	where radio waves may be blocked? (Behind or under a sheet, in a box, in a purse/bag, ext.)	No	Go to step 12.	
10	Is the Bluetooth device contacting or blocked by metal objects?	Yes	Move the Bluetooth device away from metal objects.	
12		No	Go to step 13.	
	Is a Bluetooth device and a USB device connected at the same time?	Yes	Disconnect other USB device.	
13			Check / Replace the CMU.	
		No	Document customer device Brand/Model/Model Number/software version/occurrence of the	

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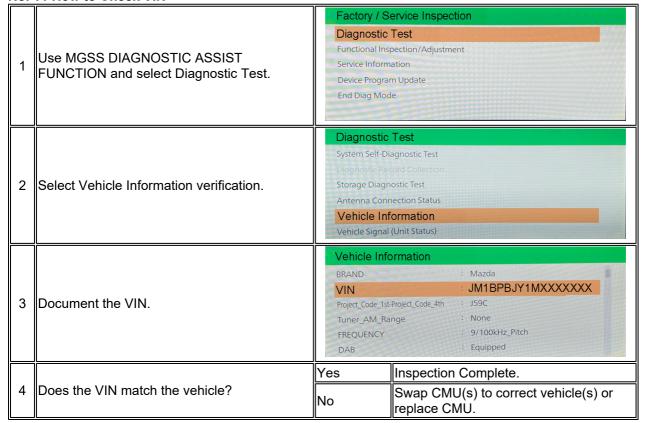
condition on the repair order.

• Retrieve CMU log data if possible before replacing the CMU.

• Important Note

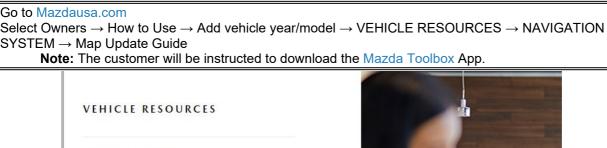
• Document date and time of the condition.

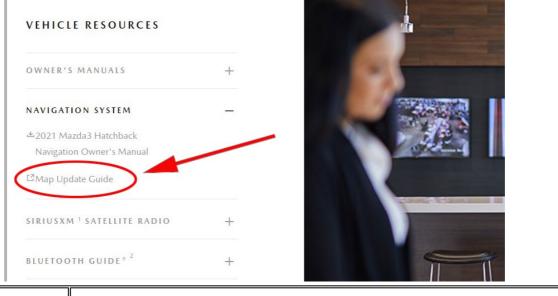
No. 11 How to Check VIN



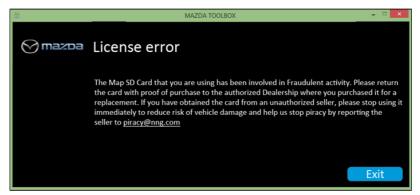
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No. 12 How to update the Navigation SD Card Map





License Error message in Mazda Toolbox

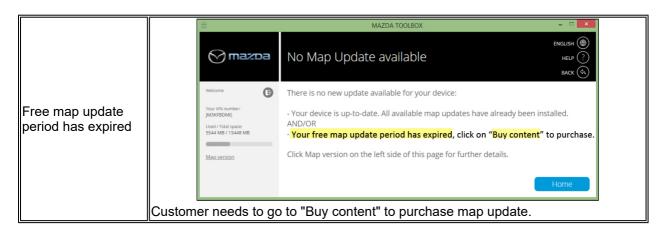


Customer is locked out of map update on Mazda Toolbox due to unauthorized or counterfeit navigation SD card.

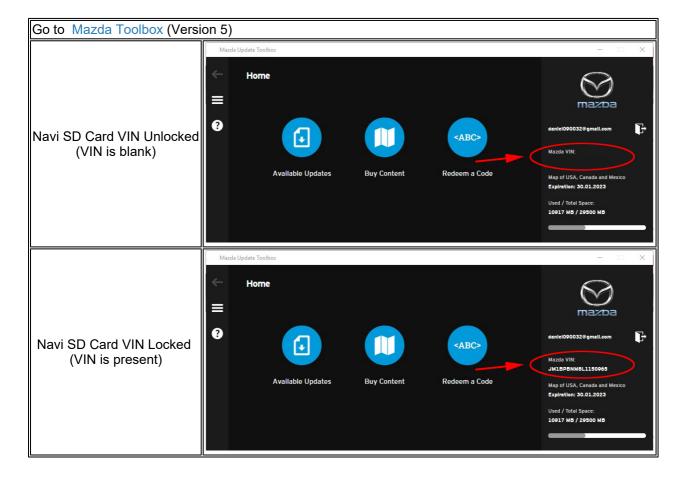
How to unlock the customer account in Mazda Toolbox

- 1. Purchase a Genuine Mazda Navigation SD card.
- 2. Install new Genuine Mazda Navigation SD card.

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No. 13 How to Check Navi SD Card VIN Lock



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No. 14 How to Report Navigation Map Error or Missing Location

Navigation system does not contain a road that I know it exists and I am certain I have the most recent map update available.

- 1. Advise the customer to go to mapcreator.here.com
- 2. Customer will need to create a mapcreator.here.com Log In
 - Customer can use the HERE website to report map error or missing location. Point, click and report missing address.
- 3. Note: Inform the customer that the map correction may take up to 6 months to appear on the latest map update.

No. 15 Over the Air (OTA) CMU Software Update

- follow)
- Available after MGSS CMU software 7000C0A-NA05 11014 update.
- MAZDA CONNECT OTA **Update Instructions**
- · Requires a clear view of the sky
- · Soft Update Only
- Software fix details are not provided (Details provided on MGSS)

• CX-50 only (other models will Push notification (Information icon "i") - System checks every 7 days



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