Service Alert

Mazda North American Operations Irvine, CA 92618-2922



Subject:

MAZDA CONNECT SYMPTOM TROUBLESHOOTING (7TH
GENERATION VEHICLES)

Last Issued: 02/01/2022

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-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

2019-2022 Mazda3	2021-2022 CX-5	2022 MX-30
	2021-2022 CX-9	

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.
- 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.
- Confirm that the customer's device is compatible. Go to connect.mazda.com -> Support -> Compatibility.
- 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.
- 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. It cannot be determined by visually looking at the label. If Mazda Toolbox is used and a counterfeit SD card is detected, the customer VIN may be locked-out.
- If possible, complete any one of the Microsoft Forms Questionnaires. Go to MGSS -> Infotainment -> MAZDA CONNECT Questionnaire.

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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?			Refer to No. 2. Rear View Camera is not displayed
	Press and hold the Power Button. Is the screen		Yes	Normal Operation
	displayed correctly? Mazda3, CX-30, MX-30 CX-5, CX-9			
2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No	Go to step 3.
		ſ		
3	Press the "HOME" button. Is the HOME screen		Yes	Normal Operation
	displayed correctly?		No	Go to step 4.
	Using M-MDS, are any infotainment system DTC's		Yes	Go to MGSS for DTC diagnosis
4	stored?			2019-2020 vehicles - Go to step 7. 2021-2022 vehicles - Go to step 5.
	Retrieve 6 digit CMU Serial Number. Go to "CMU Serial Number Retrieval". Is the CMU Serial Number within the affected range? See "Affected CMU Serial Number Range and Part Number Suffix" table.			Replace the affected CMU and confirm the CMU replacement part software is at the latest version (see MGSS -> Infotainment/TCU -> MAZDA CONNECT Updates).
5				2021-2022 CX-5 and CX-9 - Update CMU software version to 7000C0A-NA03_11038 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.
	2021-2022 CX-5 and CX-9 - Did CMU software		Yes	Repair complete
6	6 version 7000C0A-NA03_11038 or later correct customer concern?		No	Retrieve CMU log data and contact Hotline for additional support.
7	7 Is there a device connected to the USB port?		Yes	Go to step 8.
	is the did device defined to the deb port:		No	Go to step 9.
8	Disconnect the USB device. Does the display function properly after USB device is disconnected?		Yes	USB device is not compatible
			No	Go to step 9.
9	ls the connector for the Center Display inserted		Yes No	Go to step 10.
	correctly			Insert the connector correctly.

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10	Are the connectors for the CMU inserted correctly?		Go to step 11.
		No	Insert the connectors correctly.
11	Is the CMU voltage out (PWR CTRL OUT) at 0920-	Yes	Go to step 12.
11	101A Terminal 1S, SB wire, of the CMU normal?	No	Go to step 13.
12	Swap the Center Display with good known vehicle. Is	Yes	Check / Replace the Center Display.
12	the screen display normal?	No	Go to step 13.
13	Swap the CMU with good known vehicle. Is the screen display normal?	Yes	Retrieve the data log if possible before replacing the CMU 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. 2 Rear View Camera is not displayed

Step	Inspection	Result	Action
	Using M-MDS, are any infotainment	Yes	Go to MGSS for DTC diagnosis
ı	system DTC's stored?		Go to step 2.
2	Is the vehicle equipped with 360	Yes	Go to step 3.
	View Monitor?	No	Go to step 4.
ıı ≺ ı	ls the Front Camera and Side	Yes	Check / Replace the 360 View Monitor control unit.
Ŭ	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.
	Is the connector for the Rear View	Yes	Go to step 6.
	Camera Inserted correctly?	No	Insert the connector correctly.
	Is the connector for the Center	Yes	Go to step 7.
	Display Inserted correctly	No	Insert the connector correctly
	Are the connectors for the CMU		Go to step 8.
	Inserted correctly	No	Insert the connectors correctly
8	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 9
	Swap the CMU with good known vehicle. Is the screen display normal?	Yes	Check / Replace the CMU. Retrieve the data log if possible before replacing the CMU 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

Step	Inspection	Result	Action
	Is the customers device a Doro 7050, 7060 phone that is connected by bluetooth?	Yes	Update CMU software version to 7000C0A- NA01_11006 or later.
1	Didetooth?	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 removing the Navigation SD card?	Yes	2019-2020 vehicles - Go to step 6. 2021-2022 vehicles - Go to step 4.
		No	Check / Replace the Navigation SD card. Go to SA-014/21 if applicable
	Retrieve 6 digit CMU Serial Number. Go to "CMU Serial Number Retrieval".	Yes	Replace the affected CMU and confirm the CMU replacement part software is at the latest version (see MGSS -> Infotainment/TCU -> MAZDA CONNECT Updates).
4	Is the CMU Serial Number within the affected range? See "Affected CMU Serial Number Range and Part Number Suffix" table.	No	2021-2022 CX-5 and CX-9 - Update CMU software version to 7000C0A-NA03_11038 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.
	2021-2022 CX-5 and CX-9 - Did CMU	Yes	Repair Complete.
5	software version 7000C0A-NA03_11038 or later correct customer concern?	No	Retrieve CMU log data and contact Hotline for additional support.
6	Is there a device connected to the USB	Yes	Go to step 7.
6	port?	No	Go to step 8.
_	Disconnect the USB device. Does the	Yes	USB device is not compatible
7	reboot stop after USB device is disconnected?	No	Go to step 8.
8	Does the reboot continue after ignition	Yes	Go to step 9.
	key OFF then back ON?	No	Check / Replace the CMU.

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			Retrieve the data log if possible before replacing the CMU Document date and time of the condition
119	Does the reboot continue after vehicle battery disconnect?	Yes	Check / Replace the CMU. Retrieve the data log if possible before replacing the CMU Document date and time of the condition
		No	No repair needed.

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No. 4 Infotainment System Has No Sound

Step	Inspection	Result	Action
		Yes	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_11038 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.
	• 2021-2022 CX-5 and CX-9	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.
3	Is sound normal other than navigation	Yes	Go to step 4.
<u> </u>	guidance?	No	Go to step 5.
4	Can you hear the voice after raising	Yes	Normal Operation.
·	the navigation volume?	No	Go to step 6.
5	Can you hear sound after turning on	Yes	Normal Operation.
	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	Retrieve the data log if possible before replacing the CMU 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.
	<< 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?	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 >>

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	<< Source: Bluetooth Audio >> Are there any problems with		Check the Bluetooth connection and the Bluetooth device.
	Bluetooth?	No	Go to step 9.
9	Go to MGSS "DIAGNOSTIC ASSIST FUNCTION [CONNECTIVITY MASTER UNIT (US)]" Perform Functional Inspection/ Adjustment -> Active Speaker Check Function -> Speaker Inspection.	Pass	Retrieve the data log if possible before replacing the CMU Document date and time of the condition
	Did the Speaker Inspection Pass?	Fail	Go to step 10.
10	Is the connector for the Speaker(s)	Yes	Go to step 11.
	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.
	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.
	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 any repairs.
		No	Go to step 16
16	Swap the CMU from known good vehicle. Can you hear sound?	Yes	Retrieve the data log if possible before replacing the CMU Document date and time of the condition
		No	Repair/Replace wiring harness. Go to MGSS View Content -> Wiring Diagram -> Body and Accessories -> Entertainment System.

No. 5 Commander Switch Does Not Work

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Step	Inspection	Result	Action
4	Using M-MDS, are any infotainment system	Yes	Go to MGSS for DTC diagnosis
1	DTC's stored?	No	Go to step 2.
2	Does the Commander Switch work	Yes	Go to step 3.
2	correctly?		Go to step 4.
2	Does the Steering Wheel Switch work	Yes	Normal Operation.
3	correctly?	No	Go to step 5.
4	le fuee E12 missing?	Yes	Go to SA-025/19.
4	ls fuse F13 missing?	No	Go to step 8.
	Go to MGSS "DIAGNOSTIC ASSIST	Pass	Go to step 6.
5	FUNCTION [CONNECTIVITY MASTER UNIT (US)]" Perform Functional Inspection/Adjustment - > Steering SW Inspection -> Did the Steering SW Inspection Pass?	Fail	Go to MGSS STEERING SWITCH INSPECTION.
	Is the connector for the CMU inserted	Yes	Go to step 7.
6	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 the data log if possible before replacing the CMU Document date and time of the condition
		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. Did the Commander switch	Pass	Check / Replace the CMU. Retrieve the data log if possible before replacing the CMU Document date and time of the condition
	inspection Pass?	Fail	Go to step 9.
9	Is the connector for the Commander Switch		Go to step 10.
	inserted correctly?	No	Insert the connector correctly.
10	Are the CMU connectors inserted	Yes	Go to step 11.
	correctly?	No	Insert the connectors correctly.
4.4	Swap the Commander Switch with good	Yes	Check / Replace the Commander Switch.
11	known vehicle. Does the Commander Switch work correctly?		Go to step 12.
12	Swap the CMU from known good vehicle. Does the Commander Switch work	Yes	Check / Replace the CMU.

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correctly?		Retrieve the data log if possible before replacing the CMU 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

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Step	Inspection	Result	Action
1	Using M-MDS, are any infotainment	Yes	Go to MGSS for DTC diagnosis
1	system DTC's stored?	No	Go to step 2.
2	Is Bluetooth enabled on the customers		Go to step 3.
2	device?	No	Enable Bluetooth on the customers device.
2	Is the customers device paired to the	Yes	Go to step 4.
3	vehicle?	No	Pair the customers device to the vehicle.
	Is the customers device selected in	Yes	Go to step 5.
4	MAZDA CONNECT settings?	No	Select the customers device from Bluetooth settings.
	Delete the device from MAZDA CONNECT	Yes	Normal Operation
5	and then re-pair it. Does Bluetooth work correctly?		Go to step 6.
	Go to connect.mazda.com -> Support ->		Go to step 7.
6	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?		Document device model, software version and occurrence of the condition. Retrieve the data log if possible before replacing the CMU Document date and time of the condition
		Yes	Vehicle operation is normal.
8	Reboot the customers device. Does Bluetooth work correctly?		Check / Replace the CMU. Document device model, software version and occurrence of the condition. Retrieve the data log if possible before replacing the CMU Document date and time of the condition

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No. 7 Incorrect GPS position

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

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		1	1	
			Document date and time of the condition	
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 CMI Leannesters assured preparty?	Yes	Go to step 12.	
11	11 Are the CMU connectors secured properly?		Insert the connectors correctly.	
			Repair / Replace CMU wiring harness.	
12	Is the CMU wiring harness open or shorted?	No	Retrieve the data log if possible before replacing the CMU Document date and time of the condition	
	Check / Replace the CMU. Retrieve CMU data log if	Yes	Repair completed.	
13	possible before replacing CMU. Did DTC B119F:49 clear?		Repair / Replace GPS antenna.	
			1 000	

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.

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	
1	stored?	No	Go to step 2.	
	Go to MGSS "DIAGNOSTIC ASSIST FUNCTION	Pass	Go to step 3.	
2	[CONNECTIVITY MASTER UNIT (US)]" Perform Functional Inspection/Adjustment -> Steering SW Inspection -> Did the Steering SW Inspection Pass?	ı⊢aıı ı	Go to MGSS STEERING SWITCH INSPECTION.	
3	Go to MGSS "DIAGNOSTIC ASSIST FUNCTION [CONNECTIVITY MASTER UNIT (US)]" Perform Functional Inspection/Adjustment -> Microphone Inspection -> Did the Microphone Inspection Pass?	Pass	Retrieve the data log if possible before replacing the CMU Document date and time of the condition	
			Go to MGSS MICROPHONE INSPECTION.	

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No. 9 Cannot Make a Hands-Free Call

Step	Inspection	Result	Action
	Using M-MDS, are any	Yes	Go to MGSS for DTC diagnosis
	infotainment system DTC's stored?		Go to step 2.
ls Bluetooth enabled on the		Yes	Go to step 3.
2	customers device?	No	Enable Bluetooth on the customers device.
	le the sustained device data	Yes	Go to step 4.
3	Is the customers device data service strength good?	No	Move to a location where data service strength is good and retest.
4	Is the customers device paired to	Yes	Go to step 5.
4	the vehicle?	No	Pair the customers device to the vehicle.
5	Is the customers device selected	Yes	Go to step 6.
	in MAZDA CONNECT settings?	No	Select the customers device from Bluetooth settings.
	Delete the device from MAZDA	Yes	Normal Operation
6	CONNECT and then re-pair it. Does Bluetooth work correctly?	No	Go to step 7.
	Go to connect.mazda.com ->	Yes	Go to step 8.
7	Support -> Compatibility. Is the customers device compatible?	No	The customers device is not compatible.
8	Does the same symptom occur on	Yes	Go to step 9.
0	another same model/year vehicle?	No	Go to step 10.
9	Reboot the customers device.	Yes	Vehicle operation is normal.
	Does Bluetooth work correctly?	No	Go to step 10.
	Is the Bluetooth device in a place	Yes	Move the Bluetooth device away from hidden location.
10	where radio waves may be blocked? (Behind or under a sheet, in a box, in a purse/bag, ext.)	No	Go to step 11.
	Is the Bluetooth device contacting	Yes	Move the Bluetooth device away from metal objects.
	or blocked by metal objects?	No	Go to step 12.
40	ls a Bluetooth device and a USB	Yes	Disconnect other USB device.
	device connected at the same time?	No	Go to step 13.
	specific geological location only?	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.
14	Does the same symptom occur on	Yes	Go to step 15

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	another Bluetooth device?	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 device model, software version and occurrence of the condition. Retrieve the data log if possible before replacing the CMU Document date and time of the condition
		No	Go to No. 8 Voice Recognition Does Not Work

No. 10 Cannot Play Bluetooth Audio

Step	Inspection	Result	Action	
1	Using M-MDS, are any infotainment	Yes	Go to MGSS for DTC diagnosis	
1	system DTC's stored?		Go to step 2.	
2	Is Bluetooth enabled on the customers	Yes	Go to step 3.	
	device?	No	Enable Bluetooth on the customers device.	
	Is the customers device data service	Yes	Go to step 4.	
3	strength good?	No	Move to a location where data service strength is good and retest.	
	le the quetemore device bettery strongth	Yes	Go to step 5	
4	Is the customers device battery strength good?		Connect the customers device to a charger or recharge the device, then retest.	
5	Is the customers device paired to the		Go to step 6.	
5	vehicle?	No	Pair the customers device to the vehicle.	
	Is the customers device selected in MAZDA CONNECT settings?	Yes	Go to step 7.	
6		No	Select the customers device from Bluetooth settings.	
		Yes	Normal Operation	
7	and then re-pair it. Does Bluetooth work correctly?	No	Go to step 8.	
	Go to connect.mazda.com -> Support ->	Yes	Go to step 9.	
8	Compatibility. Is the customers device compatible?	No	The customers device is not compatible.	
9	Does the same symptom occur on another	Yes	Go to step 10.	
9	same model/year vehicle?	No	Go to step 11.	
10	Reboot the customers device. Does	Yes	Vehicle operation is normal.	
10	Bluetooth work correctly?	No	Go to step 11.	
11	Is the Bluetooth device in a place where radio waves may be blocked?		Move the Bluetooth device away from hidden location.	

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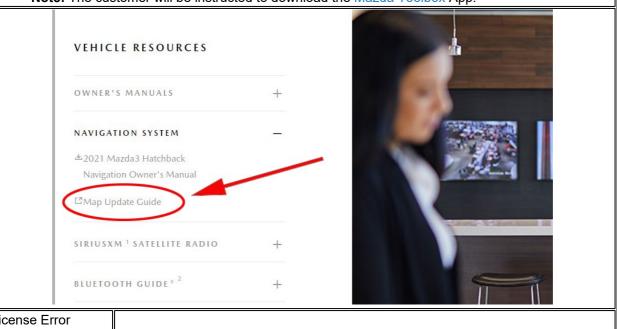
11	(Behind or under a sheet, in a box, in a purse/bag, ext.)	No	Go to step 12.	
	Is the Bluetooth device contacting or	Yes	Move the Bluetooth device away from metal objects.	
	blocked by metal objects?	No	Go to step 13.	
		Yes	Disconnect other USB device.	
13	Is a Bluetooth device and a USB device connected at the same time?	No	Check / Replace the CMU. Document device model, software version and occurrence of the condition. Retrieve the data log if possible before replacing the CMU Document date and time of the condition	

No. 11 How to update the Navigation SD Card Map

Go to Mazdausa.com

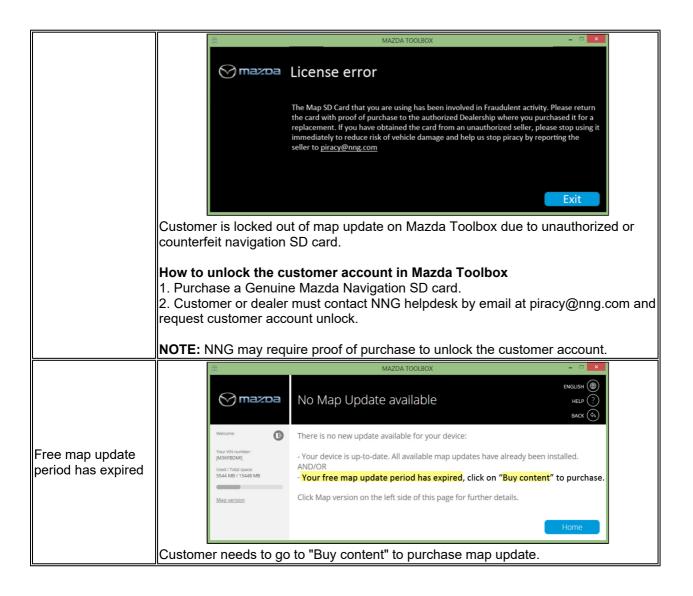
Select Owners \rightarrow How to Use \rightarrow Add vehicle year/model \rightarrow VEHICLE RESOURCES \rightarrow NAVIGATION SYSTEM \rightarrow Map Update Guide

Note: The customer will be instructed to download the Mazda Toolbox App.



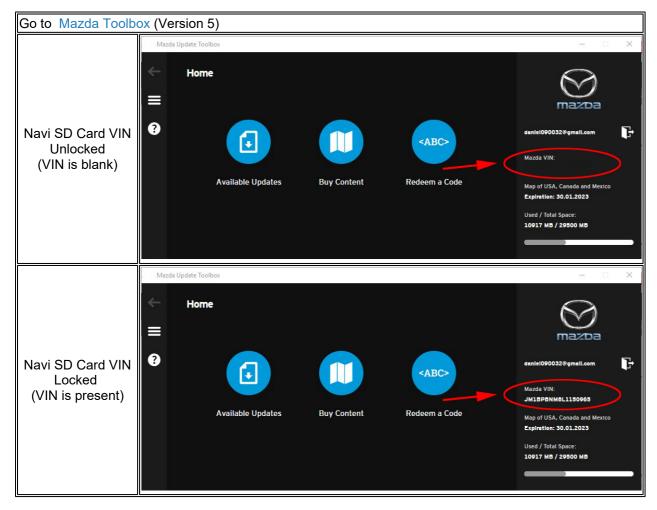
License Error message in Mazda Toolbox

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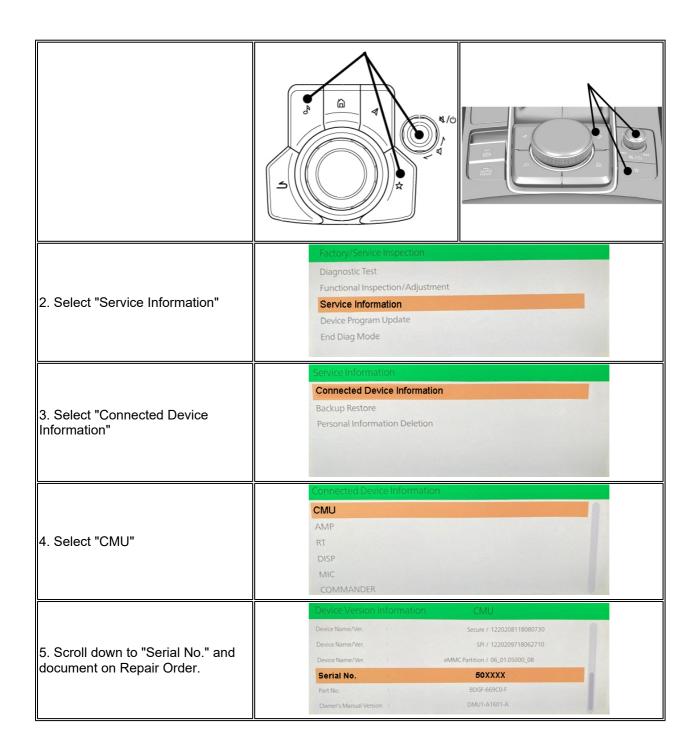
No. 12 How to Check Navi SD Card VIN Lock



CMII Serial Number Retrieval

CIVIO Seriai Nullibei Neulievai		
1. Press and hold the Volume knob, then press and hold the Entertainment and Favorites buttons at the same time for 3-5 seconds and the Factory /Service Inspection screen will appear.	CX-5 and CX-9	Mazda3, CX-30, MX-30

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6. Return to Factory/Service Inspection main screen and select End Diag Mode



Affected CMU Serial Number Range and Part Number Suffix

Model	Serial Number Start	Serial Number End	Affected Part Number
CX-5 and CX-9	687234	754800	TC3P 66 9C0-F
Mazda3 (Japan built)	622110	624748	BDGF 66 9C0-W
Mazda3 (Japan built)	500070	505859	BGMC 66 9C0-D
Mazda3 (Mexico built) and CX-30	216848	227361	DGH9 66 9C0-J
Mazda3 (Mexico built) and CX-30	104005	121788	BGMR 66 9C0-D
Mazda3 Turbo (Japan built)	512261	512520	BFWM 66 9C0-B
Mazda3 Turbo (Mexico built) and CX-30 Turbo	111827	113170	BGCE 66 9C0-B
MX-30	500125	500664	DN4E 66 9C0-C

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