Service Alert

Mazda North American Operations Irvine, CA 92618-2922



Subject:

TELEMATICS COMMUNICATION UNIT (TCU) REPLACEMENT / ACTIVATION PROCEDURE

Service Alert No.: SA-070/24

Last Issued: 11/04/2024

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-070/24	09/12/24
SA-025/23	12/05/23 and 04/21/23
SA-034/22	05/20/22
SA-004/21	09/13/21, 06/02/21, 05/24/21 and 01/19/21
SA-010/20	06/29/20, 06/01/20, 05/08/20, 04/29/20 and 01/15/20

APPLICABLE MODEL(S)/VINS

2019- <mark>2025</mark> Mazda3	2021- <mark>2025</mark> CX-5	2022-2023 MX-30	2024- <mark>2025</mark> CX-90	2025 CX-70
2020- <mark>2025</mark> CX-30	2021-2023 CX-9	2023- <mark>2025</mark> CX-50	2024 MX-5	

DESCRIPTION

When the Telematics Control Unit (TCU) replacement is necessary due to a failure, use MDARS to activate the new TCU after replacement.

Use the information in this service alert to initialize the new TCU until the procedure on MGSS is updated.

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CAUTION:

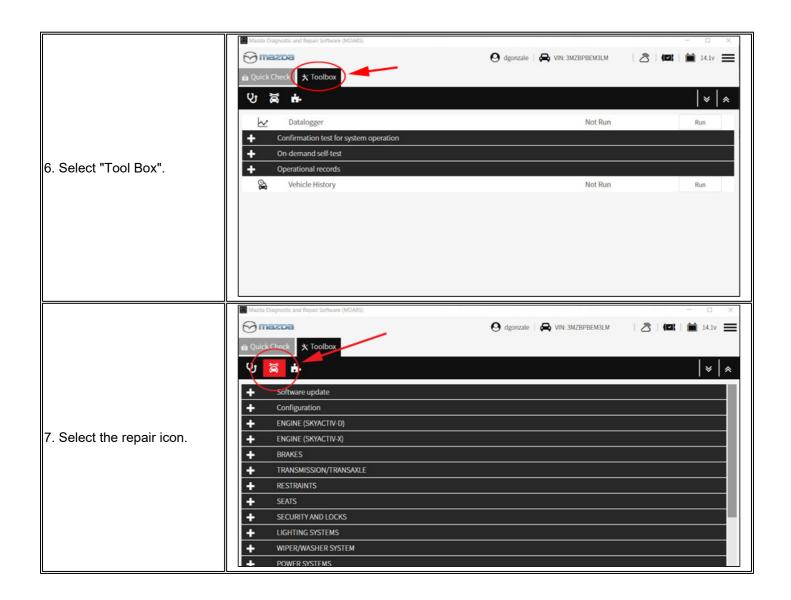
 DO NOT swap TCU with another vehicle as the TCU is VIN locked after activation. A TCU swap with another vehicle will disable Connected Services on both vehicles.

- If TCU activation is not performed, connected vehicle functions will not operate. This will have a negative impact on the customer because they will need to return to the dealer for repairs.
- If the Telematics Control Unit (TCU) replacement is necessary, check "Vehicle Communication Line Status Reference" status detail first.
 - The TCU can only be replaced under the following "Status Detail" conditions:
 - Open Completed (OK)
 - Closed Completed (OK)
 - If the TCU is replaced under the following "Status Detail" conditions, the customer may not be able to enroll into the replacement TCU.
 - Processing (NG)
 - Request Failed (NG)
 - Open Failed (NG)
 - Flag Setting Failed (NG)
 - Close Failed (NG)

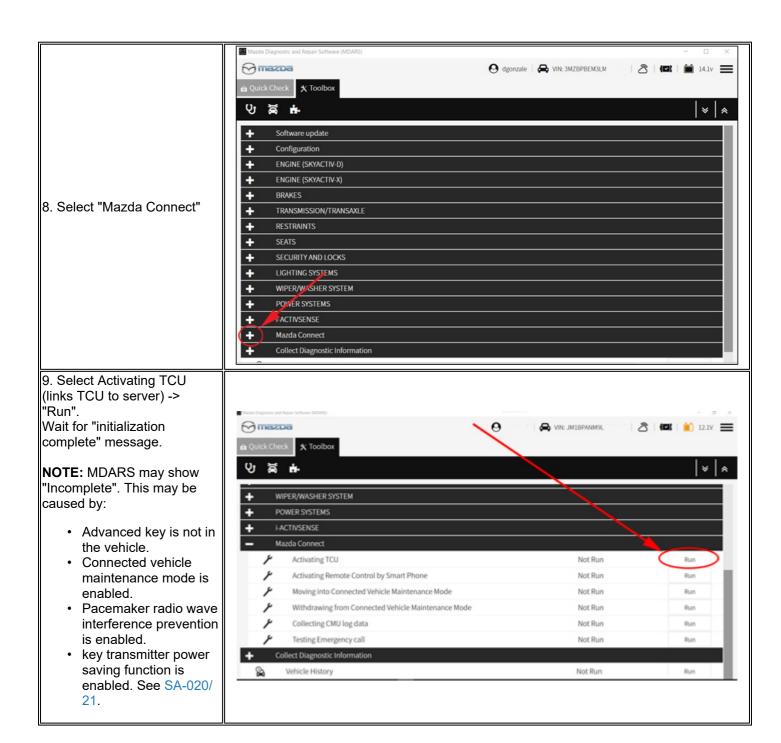
TCU Activation

- 1. Install the new TCU.
 - Mazda3 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
 - CX-30 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
 - CX-5 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
 - CX-9 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
 - MX-30 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
 - CX-50 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
 - CX-90 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
 - MX-5 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
 - CX-70 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION
- 2. Use the DCA8000 battery charger SST to maintain battery voltage. Go to SA-034/21.
- 3. Confirm M-MDS hardware that is in good working condition. Go to SA-066/20.
- 4. Turn the ignition ON (engine ON or OFF).
- 5. Connect MDARS to the vehicle.

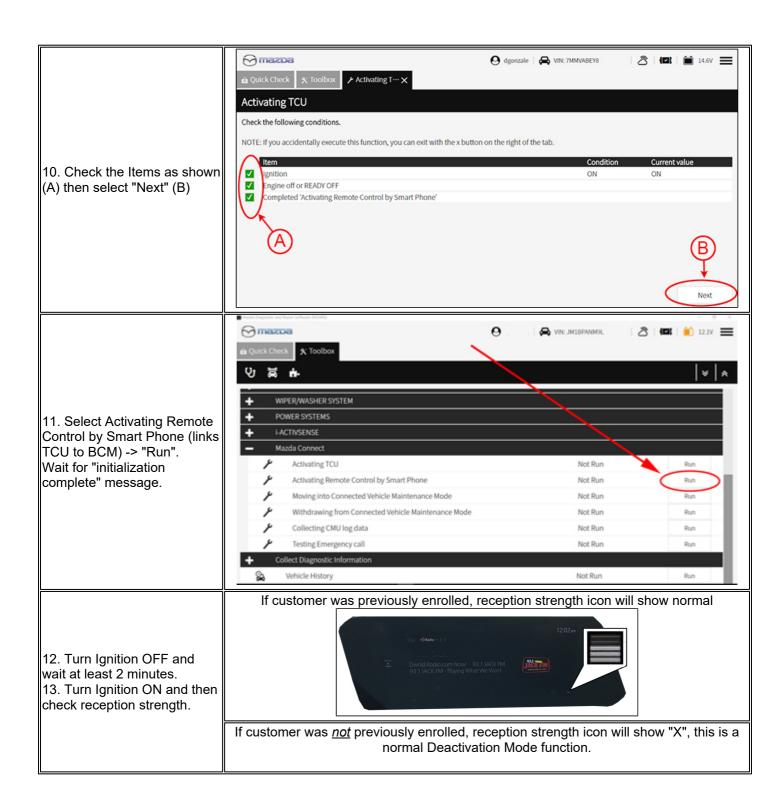
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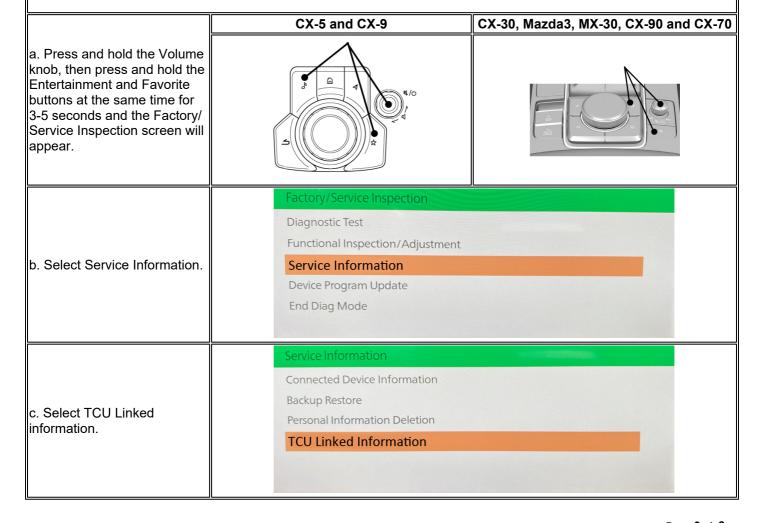


Customer/Dealer can activate CV services anytime via MyMazda app (there just might be a slight delay in making the backend connection since it was temporarily deactivated).

14. Clear DTC's

NOTE:

- New TCU replacement part may not have the latest software version installed. See Parts Information.
- Perform the following steps to confirm TCU software version is at latest version listed on MGSS -> Infotainment/ TCU -> TCU updates.



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d. Scroll down to TCU
Software Version and confirm
the software version is at the
latet version as listed on
MGSS.

Is the TCU software version correct?

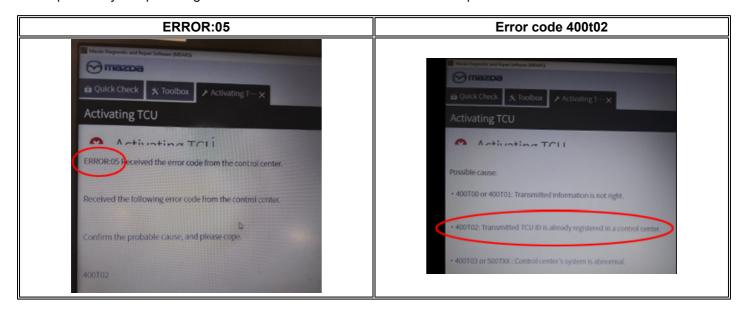
- Yes: Repair is complete.
- No: Go to MGSS -> Infotainment/TCU -> Telematics Communication Unit (TCU) Updates to update the TCU software version.
 - See Warranty Information for software update payment.



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NOTE:

- If DTC U2050:55-TCU (Activation of remote control not implemented) is stored, go to TSB 09-013/20 DTC U2050:55 STORED AFTER REPLACING OR REPROGRAMMING TCU.
- If the TCU was not replaced and MDARS shows error code 400t02 and/or ERROR:05, TCU activation was previously completed. Ignore these errors as TCU activation is not required.



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WARRANTY INFORMATION

NOTE:

- · This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	99
Damage Code	99
Part Number Main Cause	**** -67-CM0 *
Quantity	1
Operation Number / Hours (For Replacement)	T0524XRX 2019-2021 Mazda3 / 0.4 Hrs. (built before 7/1/21) 2021-2024 Mazda3 / 0.5 Hrs. (built on or after 7/1/21) 2020-2021 CX-30 / 0.5 Hrs. (built before 7/1/21) 2021-2024 CX-30 / 0.6 Hrs. (built on or after 7/1/21) MX-30 / 0.5 Hrs CX-5 / 0.6 Hrs. CX-9 / 0.7 Hrs. MX-5 / 0.5 Hrs T0533XRX CX-90 / 0.5 Hrs. CX-70 / 0.5 Hrs.
Operation Number / Hours (For Reprogramming)	T0524XRT / 0.4 Hrs. (Max)

NOTE:

- All claims will pend for adjuster review.
- TCU replacement with older software version and/or without proper troubleshooting documentation may result in a warranty claim debit.

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