Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

MAZDA

Subject:	
DTC U2050:55 STORED AFTER REPLACING OR REPROGRAMMING TCU	**Bulletin No.:** 09-013/20
	Last Issued: 10/06/2020

BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted in Red.

Previously issued TSBs:	Date issued:
09-013/20	05/08/20
09-013/20	04/10/20

APPLICABLE MODEL(S)/VINS

2019 Mazda3 vehicles (Japan built) with VINS lower than JM1BP******147656 (produced before June 29, 2019)

2019 Mazda3 vehicles (Mexico built) with VINS lower than 3MZBP******115095 (produced before June 29, 2019)

DESCRIPTION

When the Telematics Communication Unit (TCU) has been replaced or reprogrammed and the software is updated to ones shown below, DTC U2050:55-TCU (Activation of remote control not implemented) may be stored in memory with the message "In-Vehicle Network Malfunction" displayed in the multi-information display.

- Japan built vehicles: BDGF-67CK2-B or later suffix.
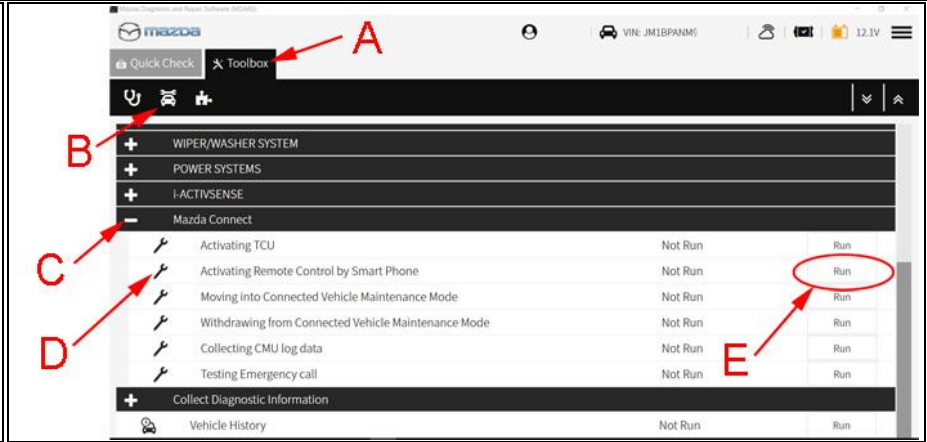- Mexico built vehicles: BDTS-67CK2-A or later suffix.

NOTE: The Description for DTC U2050:55-TCU will be added to MGSS.

This is caused by a communication error between the TCU, the Connectivity Master Unit (CMU), and the Body Control Module (BCM) when the control software in them are not of the version being ready for activation of connected service. To correct this concern, the control software of the TCU, CMU and BCM have been modified.

When you encounter this concern, reprogram (update) the BCM and the CMU to the latest version.

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REPAIR PROCEDURE

1. Update the software version of the CMU to Version 7000C0A-NA01_10050 or later using the MAZDA CONNECT Update Instructions on MGSS.

2. Reprogram the BCM with the Mazda Modular Diagnostic System (M-MDS) using Mazda Diagnostic And Repair Software (MDARS) and claim the labor hours according to the warranty information shown below.
NOTE:

- If current calibration file name in the ECU FILENAME screen is same as shown below or with later suffix, reprogramming is not necessary.
- **[5HB]** If the vehicle is applicable to the Mazda Service Program MSP56, performing the MSP56 repair procedure updates the BCM (and LFU) to the modified version.

ECU name	Body	File name
BCM	Japan built 4SD	BCKA-66S02-R
	Mexico built 4SD	BDTS-66S02-M
	Japan built 5HB	BEMD-66S02-M

3. Perform "Activation Remote Control by Smart Phone"
NOTE: If this is not performed, DTC U2050:55-TCU and/or U2050:55-BCM will be stored.

3a. Connect MDARS.	

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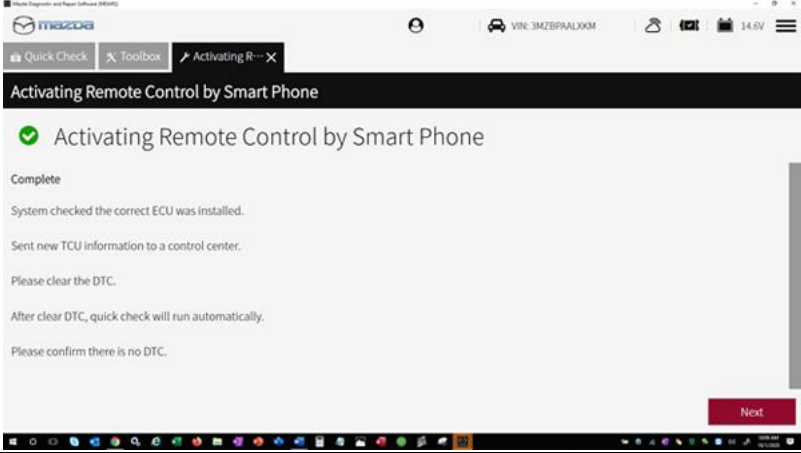|	
3b. Select the following: A. Toolbox B. Work support icon C. Mazda Connect D. Activating Remote Control by Smart Phone E. RUN.	
3c. Follow the on-screen instructions.	NOTE: 1. If TCU is not being replaced, ignore "Complete installation of new TCU" (a). 2. Battery voltage must be 14-14.5V (b). (see SA-063/20)
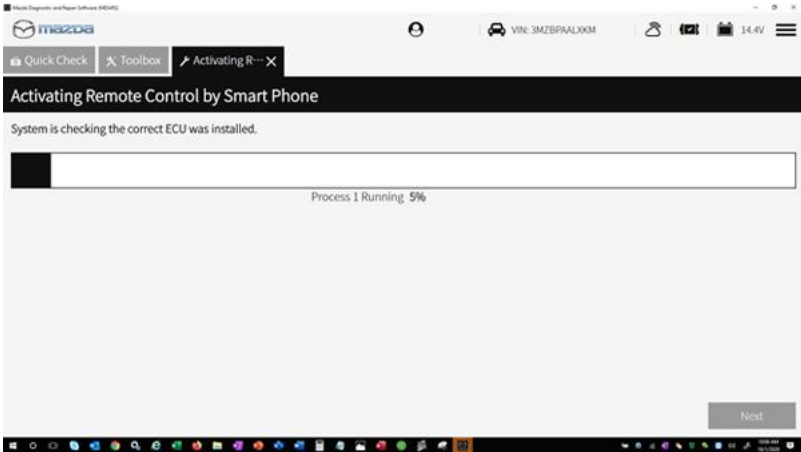
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3d. Select Quick Check (A), then start the engine and select the DTC Clear icon (B). **CAUTION:** If the engine is not started, DTC P2610 is stored and cannot be erased.	

4. Verify repair.

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WARRANTY INFORMATION

NOTE:

- If the TCU has been replaced for warranty repair, claim additional hours using the labor operation number with "BRT" instead of the last three letters "BRX".
- If the TCU has been reprogrammed for warranty repair, claim additional hours using the labor operation number with "xFT" instead of the last three letters "xFX".

Additional reprogramming	Additional hours
CMU	0.1 Hrs.
BCM	0.1 Hrs.
CMU BCM	0.2 Hrs.

Example:

Replacing TCU	T0524BRX / 0.4 Hrs.
With reprogramming CMU	T0524BR**T** / 0.5 Hrs.
With reprogramming BCM	T0524BR**T** / 0.5 Hrs.
With reprogramming CMU BCM	T0524BR**T** / 0.6 Hrs.

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