

Subject: WHEN REPLACING BCM, SOME ECU MAY NEED REPROGRAMMING	Bulletin No.: 09-027/22
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BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2019-2021 Mazda3 (Japan built) with VINS lower than JM1BP*****318395 (produced before October 24, 2020)
2019-2021 Mazda3 (Mexico built) with VINS lower than 3MZBP*****208128 (produced before October 28, 2020)
2020-2021 CX-30 with VINS lower than 3MVDM*****225639 (produced before October 23, 2020)

DESCRIPTION

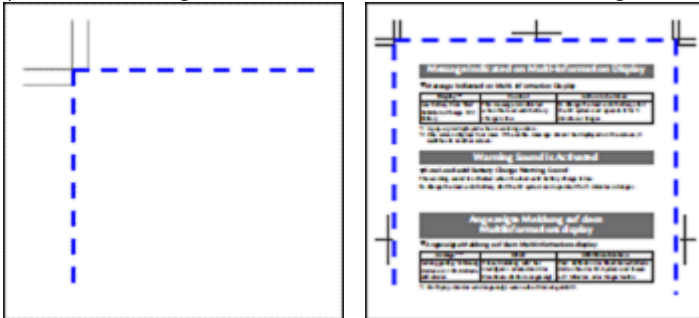
When replacing the body control module (BCM), some ECUs may need reprogramming. Without reprogramming the concerned ECUs, the power saving function may not work properly.

REPAIR PROCEDURE

NOTE: After reprogramming, the low battery warning function for lead-acid battery is added to the vehicle.

1. Explain the low battery warning function to the customer using the attached leaflet.

(Before handing the leaflet to a customer, cut the alignment marks on each corner as shown in blue broken lines.)



2. Reprogram the ECU with the Mazda Modular Diagnostic System (M-MDS), using the Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

- If the current calibration file name in the ECU FILENAME screen is the same as shown in the Calibration Files Information or with a later suffix, reprogramming is not necessary.

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- If DTC U2120:00 or/and U2500:82 are stored and i-ACTIVSENSE warning light (amber) turns on after the reprogramming, refer to SA-043/20.
- If the Welcome Lamp function is accidentally activated while using MDARS, it may also cause this concern. Check and correct as necessary. Refer to the SA-054/20 for details.
- If MDARS requires Manual PCM Software Number Entry, perform the following:
 - Look for the small sticker on the PCM that has the software number “**** 18 8K2*” printed on it.



- Enter the software number adding “-” instead of a space.
Example: If “PX06 18 8K2H” is printed, enter “PX06-18-8K2H”.
- **NOTE:** Entering the wrong Software Number may lead to inappropriate software downloading and could result in abnormal operation of the vehicle.



3. Clear the DTC, turn the ignition off, and get out of the vehicle.
4. Close and lock the door.
5. Wait for at least ten minutes.
6. Verify the repair by starting the engine and making sure the Check Engine light is OFF and no abnormal warning lights are ON.

NOTE: If any DTC should remain after performing a DTC erase, diagnose the DTC according to the instructions on MGSS.

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CALIBRATION

ECU/Model	2019-2020 Mazda3 4 DR SD (Japan built)	2021 Mazda3 4DR SD (Japan built)	2019-2020 Mazda3 4 DR SD (Mexico built)	2021 Mazda3 4DR SD (Mexico built)
LFU	BCKA-66S06-F	BCKA-66S06-F	BCKA-66S06-F	BCKA-66S06-F
IC	BDGF-66S14-N	BDGF-66S14-N	BDGF-66S14-N	BDGF-66S14-N
DOOR_ESU_D	BCKA-66S09-F	BCKA-66S09-F	BCKA-66S09-F	BCKA-66S09-F
DOOR_ESU_P	BCKA-66S08-F	BCKA-66S08-F	BCKA-66S08-F	BCKA-66S08-F
ESU	BCKB-66S07-A or DJB5-66S07-	BFVV-66S07-A	BCKB-66S07-A or DJB5-66S07-	BFVV-66S07-A

ECU/Model	2019-2020 Mazda3 5 DR HB (Japan built)	2021 Mazda3 5DR HB (Japan built)	2020 CX-30	2021 CX-30
LFU	BCWK-66S06-E	BCWK-66S06-E	DFR5-66S06-C	DFR5-66S06-C
IC	BDGF-66S14-N	BDGF-66S14-N	DFR5-66S14-F	DFR5-66S14-F
DOOR_ESU_D	BCKA-66S09-F	BCKA-66S09-F	BCKA-66S09-F	BCKA-66S09-F
DOOR_ESU_P	BCKA-66S08-F	BCKA-66S08-F	BCKA-66S08-F	BCKA-66S08-F
ESU	BCKB-66S07-A or DJB5-66S07-	BFVV-66S07-A	BCKB-66S07-A or DJB5-66S07-	BFVV-66S07-A

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 term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	64
Damage Code	9W
Part Number Main Cause	5555-RP-ECU
Quantity	0
Operation Number / Labor Hours:	XXW3FXFX / 0.4 Hrs. (Reprogramming relating ECU after replacing BCM)

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