



Subject: BODY CONTROL MODULE (BCM) CONFIGURATION	Service Alert No.: SA-060/20
	Last Issued: 09/23/2020

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-060/20	09/01/20, 08/17/20 and 08/03/20
SA-032/19	12/05/19, 08/12/19 and 07/29/19

APPLICABLE MODEL(S)/VINS

2019-2021 Mazda3
2020-2021 CX-30

DESCRIPTION

When replacing the Body Control Module (BCM) in a 7th generation vehicle, it needs to be configured and the instructions in the Workshop manual on MGSS are incorrect. Use the instructions in the Repair Procedure below to configure the new BCM.

REPAIR PROCEDURE

1. Use the GR8 battery charger SST to maintain battery voltage. Go to [SA-063/20](#).
2. Perform the configuration procedure below:

- (a) Record the customer's settings. (The data from the old module will be transferred to the new module when read-out /write-in are done correctly, but no notification of success or failure is given until the last moment of configuration.)
- (b) Connect M-MDS to the DLC2.
- (c) Switch the ignition ON (engine off or running).
- (d) Perform vehicle identification.
- (e) Start configuration ([CONFIGURATION](#)).
- (f) Select BCM.
- (g) Follow M-MDS procedure.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

3. Open the front doors on both sides and the trunk (4SDN) / Lift gate (5HB) and keep them open until the BCM removal/installation procedure is completed.

NOTE: The ESU and Door-ESU synchronization needs to be performed when the BCM is replaced. It is performed automatically at the timing of first ignition ON, and to complete the synchronization process successfully, the front doors and trunk lid/lift gate need to be opened.

4. Turn the wiper switch OFF to avoid wipers unintended movement after installing the new BCM.

5. Remove the BCM (**BODY CONTROL MODULE (BCM) REMOVAL/INSTALLATION**).

6. Install the new BCM in reverse order.

7. After the BCM is replaced, perform the following:

(a) Perform configuration using M-MDS (**CONFIGURATION**).

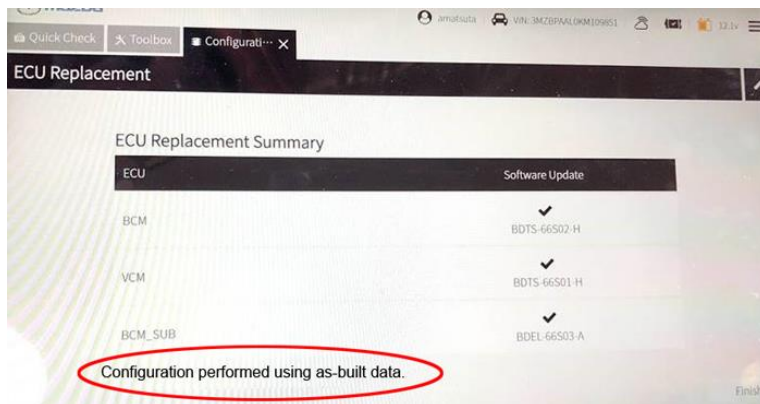
NOTE: The odometer may be reset when the BCM is replaced and configuration is done by using AS BUILT data (Factory Reset) if the original BCM is out of order and unable to identify the vehicle using M-MDS. If the odometer is reset when replacing the BCM, install speedometer replacement label (Mazda e-Store P/N 9999-95-SPDO-97) on the driver's door frame edge. Make sure to take the required action to keep the odometer record as suggested or designated by the state (similar to the instrument cluster replacement).

Mazda e-Store P/N 9999-95-SPDO-97

SPEEDOMETER REPLACEMENT	
Mileage:	_____ (Before Replacement)
Date Replaced:	____ / ____ / ____
Dealer Code:	_____ 9999-95-SPDO-97

NOTE:

- Personalization settings may be reset to factory settings if there is a data transfer failure from the old BCM.
- In this case, MDARS will show "Configuration performed using as-built data."



CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

- (b) Perform key programming ([IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING \[\(US\)\]](#)).
- (c) Erase the memory in Position Memory System with M-MDS if the vehicle is equipped with memory seat ([POSITION MEMORY SYSTEM MEMORY CLEARING](#)).
- (d) Perform the Seat Position Initial Learning with M-MDS ([SEAT POSITION INITIAL LEARNING](#)).
- (e) Perform the zero point learning for Yaw Rate Sensor (MDARS, Calibrating Yaw Rate for VCM) ([SAS CONTROL MODULE SENSOR INITIALIZATION \[TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA SPEC.\]](#)).
- (f) **Perform Forward Sensing Camera dynamic aiming:**
- Mazda3 -[FORWARD SENSING CAMERA \(FSC\) AIMING](#).
 - CX-30 - [FORWARD SENSING CAMERA \(FSC\) AIMING](#).
- (g) Check if any DTCs are stored in memory and clear them.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.