

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

**BSM RADAR AIMING CANNOT BE COMPLETED AFTER
REPLACING RIGHT-SIDE BSM CONTROL MODULE**

Bulletin No.: 09-041/22

Last Issued : 10/11/2022

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
09-017/19	03/28/2019
09-036/15	09/08/2015 and 12/17/2015

APPLICABLE MODEL(S)/VINS

2016- 2022 CX-3

2016- 2022 MX-5

2016- 2023 Mazda2 (Mexico Spec.)

DESCRIPTION

If the right-side Blind Spot Monitoring (BSM) control module is replaced for any reason, it is also necessary to replace the left-side BSM control module in order to complete the radar aiming procedure. If the right-side BSM control module is replaced alone, "Automatic Configuration" and "BSM Radar Aiming" cannot be completed due to a programming error in the module.

Other possible symptoms that may be found if the right-side BSM module is replaced alone:

- BSM aiming fails
- "BSM OFF" indicator ON
- Center Display warning message
- BSM failsafe (No operation)
- DTC U3000:54 stored in memory
- DTC U1A4B:54 stored in memory (CX-3, MX-5 only)

Replacement of BSM Control Module		Radar Aiming
Left-Side BSM	Right-Side BSM	
Not Replaced	Replaced	Not Possible
Replaced	Not Replaced	Possible
Replaced	Replaced	Possible

NOTE: For additional (CX-3) information see TSB 09-031/18 (2016 CX-3 - CONFIGURATION FAILS WHEN REPLACING RIGHT-SIDE BSM CONTROL MODULE).

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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.

NOTE: For details of "Automatic Configuration" and "BSM Radar Aiming", refer to MGSS online:

- BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION
- BLIND SPOT MONITORING (BSM) RADAR AIMING

PARTS INFORMATION

Model	Parts Number	Description	Notes
Mazda2	DA6A-67-Y80*	BSM Control Module (R)	Verify part number(s) in GEPC
	DB7R-67-Y80*	BSM Control Module (R)	
CX-3	D24H-67-Y80*	BSM Control Module (R)	
	DB2R-67-Y80*	BSM Control Module (R)	
MX-5	N243-67-Y80*	BSM Control Module (R)	

WARRANTY INFORMATION

The following Warranty Information is for Customer Satisfaction purpose only and to be used only under the following conditions:

- The right sensor is replaced, as customer pay item, such as the right sensor is damaged during a traffic accident.
- The Vehicle is still within its New Vehicle Limited Warranty 36 months / 36,000 miles.

Claim Submission will require the following documentation:

- Copy of Customer Pay Repair Order showing customer was not charged for the BSM Control Module - use Attachment ID = D01 - Copy of Current Repair Order (Front and Back).

NOTE: If the right-side BSM control module replacement is necessary at customer expense because of body shop repair, the part cost of the left-side BSM will be reimbursed under special warranty treatment. Submit the claim with the following information.

NOTE:

- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Labor Time is not allowable for this claim.

Warranty Type	A	--
Symptom Code	64	--
Damage Code	9W	--
Part Number Main Cause / Quantity	****-67-Y80 / 0	Right-side BSM control module
Related Part Number / Quantity	**** 67 Y90 / 1	Left-side BSM control module

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Operation Number / Labor Hours:

XXL7PXRX / 0.0 Hrs.

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NOTE: When the right-side BSM is replaced by warranty repair, submit a normal warranty claim by entering the right BSM Control Module part number and the quantity 1 in "CAUSAL" and the left-side BSM Control Module part number and the quantity 1 in "RELATED".

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