

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.: 09-005/26

Last Issued : 01/12/2026

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
09-041/22	10/11/22
09-017/19	03/28/19
09-036/15	09/08/15 and 12/17/15

APPLICABLE MODEL(S)/VINS**US Spec.**

2016- 2021 CX-3
2016- 2019 Mazda2
2016- 2024 MX-5

Mexico Spec.

2016- 2024 CX-3
2016- 2024 MX-5
2016- 2024 Mazda2

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.
- In most cases, if the left-side BSM control module is replaced alone, "Automatic Configuration" and "BSM Radar Aiming" can be completed without any problem (See **CAUTION** below for more details).

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

Page 1 of 3

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- DTC U1A4B:54 stored in memory (CX-3, MX-5 only)

NOTE: Since a new BSM control module does not retain the vehicle specification information, it is necessary to acquire and store the vehicle specification information transmitted via CAN communication from the combination meter through automatic configuration after replacement.

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).
- For details of "Automatic Configuration" and "BSM Radar Aiming", refer to MGSS online:
 - CX-3: BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION
 - CX-3: BLIND SPOT MONITORING (BSM) RADAR AIMING
 - MX-5: BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION
 - MX-5: BLIND SPOT MONITORING (BSM) RADAR AIMING
 - Mazda2: BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION
 - Mazda2: BLIND SPOT MONITORING (BSM) RADAR AIMING

CAUTION: When replacing only the left-side BSM, there is no need to replace the right-side BSM unless the first four digits of the part numbers differ between the left and right sides. If so, both sides must be replaced at the same time because they are not compatible, and configuration will not be completed. The part numbers are on the part label on the right side of the part.

Example: In the following case, both side BSMs must be replaced at the same time:
The original BSMs installed on the vehicle are part numbers D24H-67-Y80* and D24H-67-Y90* while the new left side BSM is part number D65K-67-Y80*.

PARTS INFORMATION

Model	Parts Number	Description	Notes
Mazda2	DA6A-67-Y80*	BSM Control Module (R)	HB
Mazda2	DB7R-67-Y80*	BSM Control Module (R)	SDN
CX-3	D24H-67-Y80*	BSM Control Module (R)	WGN

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CX-3	DB2R-67-Y80*	BSM Control Module (R)	WGN
MX-5	N243-67-Y80*	BSM Control Module (R)	---
Mazda2 / CX-3	D65K-67-Y80*	BSM Control Module (R)	(WGN) Mexico Spec.

NOTE:

- Use the subject VIN to verify the correct part number in the GEPC.
- The above parts must be replaced at the same time on the left and right side regardless of the part level.
- Parts numbers not listed in the above table are excluded from this service information.

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
Operation Number / Labor Hours:	XXL7PXRX / 0.0 Hrs.	--

NOTE: When the right-side BSM is replaced by warranty repair, submit a **basic** 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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