Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

Subject:	**Bulletin No.:** 15-001/17
BSM OFF INDICATOR ON WITH DTC U1A4B:97 OR U3000:97	**Last Issued:** 09/01/2017

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
15-001/17	03/13/2017
15-002/15	12/10/2015

APPLICABLE MODEL(S)/VINS

2016-2017 CX-3
2016 MX-5 vehicles with VINs lower than JM1ND******104338 (produced before August 20, 2015)

DESCRIPTION

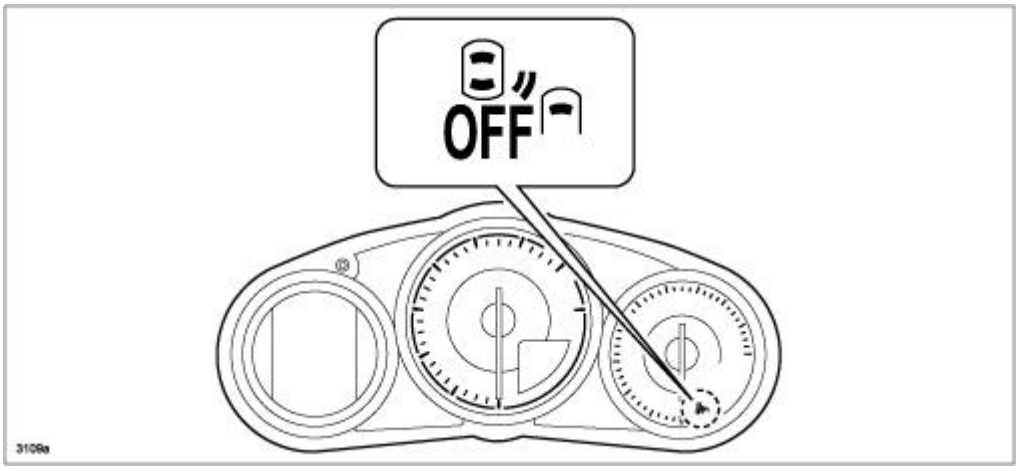
Some vehicles with Blind Spot Monitoring (BSM) may experience the following conditions (similar to when the BSM control modules detect dirt on the rear bumper surface):

- DTC U1A4B:97 - Radar sensor sensitivity temporarily decreases depending on various external and environmental factors (blind spot monitoring (BSM) control module (RH))
- DTC U3000:97 - Radar sensor sensitivity temporarily decreases depending on various external and environmental factors (blind spot monitoring (BSM) control module (LH))

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.

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- The BSM turns “OFF” and the BSM OFF indicator turns “ON” in the instrument cluster while driving
- The BSM will not turn on again during the drive cycle
- After cycling the ignition switch off and on again, the BSM operates normally
- DTC U1A4B:97 or U3000:97 is stored in memory



To correct this problem, the control logic of the BSM control modules has been changed.

Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

1. Verify customer concern.

2. Replace both the BSM control modules. Refer to MGSS online instructions:

- CX-3 - BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION.
- MX-5 - BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION.

3. Perform the blind spot monitoring (BSM) radar aiming. Refer to MGSS online instructions:

- CX-3- BLIND SPOT MONITORING (BSM) RADAR AIMING.
- MX-5 - BLIND SPOT MONITORING (BSM) RADAR AIMING.

NOTE: The Doppler Radar Simulator Tool, required for radar aiming of the BSM system, is available for loan on Mazda e-store. Refer to TSB 00-001/15 - Special Service Tool Loaner Announcement - August 2015.

4. CX-3 only - Print and insert supplemental document to the owner's manual.
5. Verify repair.

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CX-3 Owner's Manual Supplemental Document

U.S.A.
FCC ID : NBG012692A

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Warning
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada
This Category II radiocommunication device complies with Industry
Canada Standard RSS-310

Ce dispositif de radiocommunication de catégorie II respecte la norme CNR-310
d´Industrie Canada.

This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Mexico
Sistema de apertura de puertas de automóviles,
base y llave electrónica
Hella KGaA Hueck Co
LCA3.5
COFETEL: RCPHELC15-0521

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PARTS INFORMATION

Part Number	Description	Qty.	Note
N243-67-Y80C	Module (R), Lane Change Aid	1	MX-5
N243-67-Y90C	Module (L), Lane Change Aid	1	
D24H-67-Y80	Module (R), Lane Change Aid	1	CX-3
D24H-67-Y90	Module (L), Lane Change Aid	1	

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

	MX-5	CX-3
Warranty Type	A	A
Symptom Code	62	62
Damage Code	9W	9W
Part Number Main Cause / Qty.	N243-67-Y80C / 1	D24H-67-Y80 / 1
Operation Number / Labor Hours:	XXL93XRX / 1.1 Hrs. (Includes rear bumper assembly removal/installation and BSM radar sensor aiming)	

NOTE:Claim LH side BSM Control Module (**** 67 Y90*) as related part.

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