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<b>Subject:</b> <b>BSM OFF INDICATOR LIGHT FLASHING WITH DTC U3000:54</b>	<b>Bulletin No:</b> 09-007/15
	<b>Last Issued:</b> 02/13/2015

## BULLETIN NOTE

- This bulletin supersedes the previous bulletin 09-037/14, issued on 09/08/2014 and 10/23/2014. The REPAIR PROCEDURE, PART(S) and WARRANTY INFORMATION has been revised.
- Changes are noted below in Red beside the change bar.

## APPLICABLE MODEL(S)/VINS

2014-2015 Mazda3 Japan built vehicles (equipped with BSM) with VINs between JM1BM\*\*\*\*\*100001 and 227916 (produced before August 7, 2014)

2014 Mazda3 Mexico built vehicles (equipped with BSM) with VINs between 3MZBM\*\*\*\*\*100001 and 210564 (produced before May 23, 2014)

2014-2015 Mazda6 vehicles (equipped with BSM) with VINs between JM1GJ\*\*\*\*\*100001 and 202992 (produced before Aug. 7, 2014)

2013-2014 CX-9 vehicles (equipped with BSM) with VINs between JM3TB\*\*\*\*\*425232 and 445920 (produced from Aug. 1, 2013 to July 3, 2014)

## DESCRIPTION

Some vehicles may have the Blind Spot Monitoring (BSM) OFF indicator light flashing and DTC U3000:54 stored in memory.



DTC	Description
U3000:54	Radar performance malfunction (BSM control module detected malfunction in misalignment)

The concern is caused by inadequate BSM control module control logic. The BSM control module software has been updated to eliminate this concern.

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

Page 1 of 3

**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.

## REPAIR PROCEDURE

1. Verify the customer concern of the (BSM) OFF indicator light flashing in the instrument cluster and that DTC U3000:54 is stored in memory.
2. Visually inspect the rear bumper surface for excessive dirt, scratches, deformities or foreign material attached to the bumper. These can all affect the BSM from operating properly.
  - If the rear bumper surface has any of the above, clean or repair the bumper surface, then re-test the BSM system.
  - If the rear bumper surface is clean and in normal condition, proceed to step 3.

**NOTE:** Even a minor impact to the bumper can cause a misalignment of the BSM, which may also cause DTC U3000:54 to be stored in memory. However, this is not covered under warranty. Re-align the module and re-test the BSM.

3. Replace both side BSM control modules with modified parts according to the instructions on MS3 online or the Workshop Manual (section 09-22).
  - Mazda3: BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION
  - Mazda6: BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION
  - CX-9: BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION
4. Perform the blind spot monitoring (BSM) radar test according to the instructions on MS3 online or the Workshop Manual (section 09-22).
  - Mazda3: BLIND SPOT MONITORING (BSM) RADAR TEST
  - Mazda6: BLIND SPOT MONITORING (BSM) RADAR TEST
  - CX-9: BLIND SPOT MONITORING (BSM) RADAR TEST

**NOTE:** When performing the blind spot monitoring radar test according to the instructions on the M-MDS screen, be sure to follow the Caution below, otherwise, the test could fail.

**CAUTION:** When the M-MDS instructs you to start the engine, wait at least five (5) seconds before pressing the check mark. If the test fails for any reason, turn the ignition off, wait for at least three (3) seconds, then repeat the test from the beginning.

5. Verify the repair.

## PART(S) INFORMATION

Part Number	Description	Qty.	Notes
<b>GJR9-67-Y30F</b>	BSM control module	2	Mazda3 / Mazda6
TK21-67-Y30E	BSM control module	2	CX-9

## 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.

Model	Mazda3 / Mazda6	CX-9
Warranty Type	A	A
Symptom Code	64	64
Damage Code	9W	9W
Part Number Main Cause	<b>GJR9-67-Y30F</b>	TK21-67-Y30E
Quantity	2	2
Operation Number / Labor Hours:	XXK7SXRX / 0.8 Hrs.	XXK7SXRX / 0.9 Hrs.