

Subject: UNEXPECTED SMART BRAKE SUPPORT (SBS) OPERATION	Bulletin No: 15-002/16
	Last Issued: 07/29/2016

APPLICABLE MODEL(S)/VINS

2016 CX-9 vehicles with VINs lower than JM3TC*****100329 (produced before June 9, 2016)

DESCRIPTION

Some customers may experience an unexpected Smart Brake Support (SBS) system operation when a vehicle ahead slows down, stops at a traffic light or when the customer passes a slower vehicle while changing lanes.

This may be caused by an improper SBS system control logic. The SBS system control logic (within the radar unit) has been modified to eliminate this concern.

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

REPAIR PROCEDURE

1. Verify the customer concern.
2. Replace the radar unit with a modified one according to the instructions on MS3 online or the Workshop Manual (section 15-20 RADAR UNIT REMOVAL/INSTALLATION).
3. Perform the radar unit aiming procedure according to the instructions on MS3 online or the Workshop Manual (section 15-20 RADAR UNIT AIMING).

NOTE: Remind the customer never to rely completely on the SBS system, as mentioned in the Owner's Manual below.

When Driving
i-ACTIVSENSE

Smart Brake Support (SBS)*

Smart Brake Support (SBS) is a system which alerts the driver of a possible collision using an indicator and warning sound in the instrument cluster while the vehicle is being driven at about 15 km/h or faster (10 mph or faster) and the system's radar sensor (front) determines that your vehicle may hit a vehicle ahead. Furthermore, if the radar sensor (front) determines that a collision is unavoidable, the automatic brake control is performed to reduce damage in the event of a collision.

In addition, when the driver depresses the brake pedal, the brakes operate more quickly to assist the driver.

WARNING

Do not rely completely on the Smart Brake Support (SBS) system and always drive carefully:

The Smart Brake Support (SBS) is designed to reduce damage in the event of a collision, not avoid an accident. The ability to detect an obstruction is limited depending on the obstruction, weather conditions, or traffic conditions. Therefore, if the accelerator pedal or brake pedal is mistakenly operated it could result in an accident. Always verify the safety of the surrounding area and depress the brake pedal or accelerator pedal while keeping a safer distance from vehicles ahead or on-coming vehicles.

CAUTION

If the vehicle is towed or you are towing something, switch the Smart Brake Support (SBS) system off to prevent a mistaken operation.

4. Verify the repair.

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.

Bulletin No: 15-002/16 © 2016 Mazda Motor of America, Inc.	Last Issued: 07/29/2016
--	--------------------------------

PART(S) INFORMATION

Part Number	Description	Qty.	Notes
TK80-67-XA1D	Radar Sensor Unit	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 term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	64
Damage Code	9W
Part Number Main Cause	TK80-67-XA1D
Quantity	1
Operation Number / Labor Hours:	XXM51ARX / 0.8 Hrs.