

<b>Subject:</b>  DELAY BSM INDICATOR LIGHT AT LOW SPEEDS	<b>Bulletin No.:</b> 15-005/23
	<b>Last Issued :</b> 12/20/2023

## BULLETIN NOTES

### APPLICABLE MODEL(S)/VINS

2024 CX-90 with VINS from JM3KK\*\*\*\*\*109442 to 144498 (produced from April 4, 2023 to October 20, 2023)

## DESCRIPTION

Some vehicles may exhibit the BSM indicator light on the outer mirror glass delayed while driving at low speeds. This is caused by improper control logic of the side radar sensors where detection delay may occur in a specific driving environment. To eliminate this concern, the control software of the side radar sensors has been modified. Customers having this concern should have their vehicle repaired using the following repair procedure.

## REPAIR PROCEDURE

1. Verify the customer concern.
2. Reprogram the FSRL with the Mazda Modular Diagnostic System (M-MDS), using Mazda Diagnostic And Repair Software (MDARS). After that, the FSRR, RSRL and RSRR are automatically reprogrammed as well. Refer to MDARS ECU Reprogramming Procedure.

### NOTE:

- **Be sure to submit ODR data as it is a required item and will be checked during warranty claim submission. Instructions can be found under M-MDS -> MDARS (Uploading ODR Data).**
  - Reprogramming is not necessary if current calibration file name in the ECU FILENAME screen is the same as shown in Calibration Files Information or with later suffix.
  - The parameter "Battery State of Charge (SOC)" is reset during PCM reprogramming procedure.
  - Since the SOC value is necessary when performing "Battery condition initialization setting" after PCM reprogramming to decide whether battery charging is necessary or not, measure and record the PID "BATT\_SOC" first by using M-MDS Data logger function before reprogramming the PCM.
  - After the reprogramming, pending DTC P2610:00 [PCM] may be stored without the CHECK ENGINE light ON. Since this DTC may turn to a current DTC depending on operations after the reprogramming, clear DTC after all repair work is done.
3. After reprogramming, conduct the battery condition initial setting (i-stop setting) according to the instructions in MGSS (BATTERY CONDITION INITIALIZATION SETTING (i-stop SETTING)).
  4. Clear the DTC and turn the ignition off and get out of the vehicle.
  5. Close and lock the door then wait ten minutes or more.

**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.

6. Verify the repair by starting the engine and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

**NOTE [Except PHEV]:** If any DTCs should remain after deleting DTC, diagnose the DTCs according to the appropriate Troubleshooting section in MGSS.

**NOTE [PHEV]:**

- DO NOT start the engine with connected 12V battery charger because the power supply from the DCDC converter and the power supply from the 12V battery charger may interfere then warning light comes up and DTCs are stored.
- If any DTCs should remain after deleting DTC, diagnose the DTCs according to the appropriate Troubleshooting section in MGSS.

#### CALIBRATION

ECU	File Name
FSRL/FSRR	KR9P-67YK2-L
RSRL/RSRR	

#### 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	5555-67-Y30
Quantity	0
Operation Number / Labor Hours:	XXWJFXFX / 0.3 Hrs

**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.