

<b>Subject:</b>  UPDATED SOFTWARE RELEASE FOR EMERGENCY LANE KEEPING AND/OR SMART BRAKE SUPPORT OPERATION	<b>Bulletin No.:</b> 15-001/24
	<b>Last Issued :</b> 01/30/2024

## BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
15-002/23	10/09/23

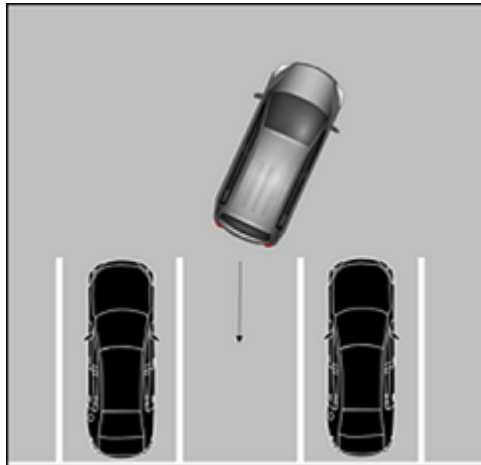
## APPLICABLE MODEL(S)/VINS

2024 CX-90 with VINS lower than JM2KK\*\*\*\*\*151673 (produced before November 25, 2023)

## DESCRIPTION

Some vehicles may exhibit one or both of following, making the customer uncomfortable with the operation;

1. Sometimes the steering assist feeling by the Emergency Lane Keeping may be stronger than expected while driving at 37 mph (60 km/h) (or faster).
2. The Smart Brake Support may operate unexpectedly when parking in reverse under certain conditions, mainly while driving at 1.2 mph (2 km/h) to 9.3 mph (15 km/h) on flat ground in reverse and vehicle(s) etc. are present around the parking space.



3. While driving on a curved road condition with the MRCC activated, a vehicle in the right or left lane may be detected as an ahead vehicle and the MRCC unexpectedly reduces vehicle speed.

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This is caused by:

1. There was some room to refine the engineering for a better steering feel.
2. Too sensitive detection of vehicles or objects while in reverse and backing up.

To eliminate this concern, the control software of the Vehicle Control Module (VCM) 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 VCM using the Mazda Diagnostic And Repair Software (MDARS). 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.
- After the reprogramming, pending DTC P2610:00 [PCM] may be stored without MIL illumination. Since this DTC may turn to a current DTC depending on operations after the reprogramming, clear DTC after all repair work is done.

3. Clear the DTC and turn the ignition off and get out of the vehicle.
4. Close and lock the door then wait ten minutes or more.
5. 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 of the Workshop Manual.
- [PHEV]
  - DO NOT start the engine with a connected 12V battery charger because the power supply from the DCDC converter and the power supply from the 12V battery charger may interfere, which causes warning light to come up and DTCs to be stored.
  - If any DTCs should remain after deleting DTC, diagnose the DTCs according to the appropriate procedure in MGSS.

## CALIBRATION

ECU	Spec.	Model	File Name (Old)	File Name (New)
VCM	US	CX-90 (KK)	KMV6-66S01-D	KMV6-66S01-E

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**WARRANTY INFORMATION****NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under **GHG Emissions Regulation Remote Power Window Operation Defect Warranty**.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	64
Damage Code	9W
Part Number Main Cause	5555-67-560
Quantity	0
Operation Number / Labor Hours:	XXWEPXFX / 0.3 Hrs.

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