

# Part 573 Safety Recall Report

# 24V-649

**Manufacturer Name :** Mazda North American Operations**Submission Date :** SEP 03, 2024**NHTSA Recall No. :** 24V-649**Manufacturer Recall No. :** 6824H**Manufacturer Information :**

Manufacturer Name : Mazda North American Operations

Address : 1025 Connecticut Avenue, NW

Suite 910 Washington DC 20036

Company phone : 800-222-5500

**Population :**

Number of potentially involved : 672

Estimated percentage with defect : 33 %

**Vehicle Information :**

Vehicle 1 : 2024-2024 Mazda Mazda3

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

**Descriptive Information :** Recall population was determined using production records of vehicles equipped with the suspect forward sensing camera ("FSC"). Vehicles not included in the recall have improved parts.

The following is the affected number of vehicles by MY/Make/Model:  
 MY2024 Mazda Mazda3 built at Mazda de Mexico Vehicle Operation ("MMVO"): 142 units.

Production Dates : JUL 10, 2024 - JUL 23, 2024

VIN Range 1 : Begin : 3MZBPABM9RM433222 End : 3MZBPABM8RM434006  Not sequential

Vehicle 2 : 2024-2024 Mazda CX-30

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

**Descriptive Information :** Recall population was determined using production records of vehicles equipped with the suspect forward sensing camera ("FSC"). Vehicles not included in the recall have the improved part.

The following is the affected number of vehicles by MY/Make/Model:  
 MY2024 Mazda CX-30 built at Mazda de Mexico Vehicle Operation ("MMVO"): 528 units.

Production Dates : JUL 10, 2024 - JUL 23, 2024

VIN Range 1 : Begin : 3MVDMBAM2RM715020 End : 3MVDMBCMXXRM717515  Not sequential

Vehicle 3 : 2025-2025 Mazda CX-50

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

**Descriptive Information :** Recall population was determined using production records of vehicles equipped with the suspect forward sensing camera ("FSC"). Vehicles not included in the recall have the improved part.

The following is the affected number of vehicles by MY/Make/Model:  
MY2025 Mazda CX-50 built at Mazda Toyota Manufacturing ("MTM"): 2 units.

Production Dates : JUL 26, 2024 - JUL 29, 2024

VIN Range 1 : Begin : 7MMVABBM6SN300713 End : 7MMVABAM6SN301006  Not sequential

## Description of Defect :

**Description of the Defect :** A malfunction in the forward sensing camera ("FSC") may cause the following to occur:

- High Beam Control ("HBC") system will not automatically adjust headlights from high to low beam with approaching vehicles.
- Automatic Emergency Braking System (known as "Smart Brake Support" in Mazda vehicles) will not activate braking to prevent a front-end collision.
- Lane-keep Assist System ("LAS") will not activate to maintain vehicle positioning within roadway lanes.

FMVSS 1 : 108 - Lamps, reflective devices, and assoc. Equipment

FMVSS 2 : NR

**Description of the Safety Risk :** A High Beam Control system that does not adjust headlights from high beam to low beam is not compliant with FMVSS 108. An inoperative Smart Brake Support System can increase the risk of crash and injuries.

**Description of the Cause :** Due to an improper program setting, affected forward sensing cameras were not updated from production mode to normal mode. As a result, all three systems described will not work as intended.

**Identification of Any Warning that can Occur :** None

## Involved Components :

Component Name 1 : Camera, Forward Sensing

Component Description : Forward sensing camera

Component Part Number : VC85-67XCX, DRVP-67XCX-B

## Supplier Identification :

### Component Manufacturer

Name : ZF Group

Address : 15811 Centennial Drive

Township of Northville Michigan 48168

Country : United States

## Chronology :

July 24, 2024: A Smart Brake Support system error was identified at the Mazda de Mexico Vehicle Operation ("MMVO") plant.

July 25, 2024: Additionally, a High Beam Control malfunction issue was identified at the Mazda Toyota Manufacturing ("MTM") plant.

July 26, 2024: Containment actions at the MTM plant were started.

July 27, 2024: Mazda began to investigate the concern.

July 30, 2024: Containment actions at the MMVO plant were started.

August 6~7, 2024: Mazda confirmed some affected vehicles had been transported to dealers.

August 13, 2024: The investigation was completed and finalized on scope of the affected population.

August 27, 2024: Mazda held a Quality Audit Committee meeting to review all available information to date and approved a proactive field action on certain MY2024 Mazda3, MY2024 CX-30, and MY2025 CX-50 vehicles.

As of August 27, Mazda is not aware of any reports of accident or injury related to this concern. Also, as of this date, no field reports have been received by the United States or Territory markets.

**Description of Remedy :**

Description of Remedy Program : Owners will be notified by U.S. mail and instructed to take their vehicle to a Mazda dealer.  
Dealers will inspect vehicles, and if needed, replace the affected FSC with an improved part. There will be no charge for this service to vehicle owners.  
Any repairs related to this defect in the subject vehicles would have been covered under Mazda's New Vehicle Warranty period. Therefore, a reimbursement plan for repairs made in connection with this defect prior to notification is not being offered to affected vehicle owners.

How Remedy Component Differs from Recalled Component : The remedy components contain correct software.

Identify How/When Recall Condition was Corrected in Production : The improved FSC unit was implemented on July 24, 2024 at the MMVO assembly plant, and on July 30, 2024 at the MTM assembly plant.

**Recall Schedule :**

Description of Recall Schedule : Notification to dealers is expected to occur on or before September 6, 2024. Mailing of owner notification letters is expected to be completed on or before November 2, 2024.

Planned Dealer Notification Date : SEP 04, 2024 - SEP 06, 2024

Planned Owner Notification Date : NOV 02, 2024 - NOV 02, 2024

\* NR - Not Reported