

# Part 573 Safety Recall Report

## 24V-022

**Manufacturer Name :** Mazda North American Operations

**Submission Date :** JAN 18, 2024

**NHTSA Recall No. :** 24V-022

**Manufacturer Recall No. :** 6524A



### 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 :** 43,752

**Estimated percentage with defect :** 1 %

### Vehicle Information :

**Vehicle 1 :** 2024-2024 MAZDA CX-90

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** ALL

**Power Train :** GAS

**Descriptive Information :** The following is the affected number of vehicles by MY/Make/Model:  
 MY2024 Mazda CX-90 built at Mazda Motor Corporation in Japan: 43,752 units.  
 – Recall population determined by the production record of vehicles equipped with the subject steering gear assembly at Mazda Motor Corporation.  
 – Vehicles not included in the recall have the improved steering gear assembly.

**Production Dates :** DEC 27, 2022 - DEC 11, 2023

**VIN Range 1 :** Begin : JM3KKEHD6R1100044 End : JM3KKCHD1R1152900  Not sequential

### Description of Defect :

**Description of the Defect :** While driving, the customer may feel a sudden increase of effort when steering the vehicle.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** Sudden and unexpected change of steering effort while driving may increase risk of a crash.

**Description of the Cause :** A worm gear is incorporated in the steering gear assembly, which transmits the power assist generated by the power steering motor.  
The worm gear friction force may be excessive which results in increased force required to turn the steering wheel.

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

## Involved Components :

Component Name 1 : GEAR STEERING

Component Description : Steering gear and linkage

Component Part Number : KJK8-32-110

## Supplier Identification :

### Component Manufacturer

Name : Hitachi Astemo, Ltd.

Address : 2459-1 Jinba,  
Gotemba-Shi, Shizuoka Prefecture Foreign States 412-0047

Country : Japan

## Chronology :

Please see a Chronology report attached.

## Description of Remedy :

Description of Remedy Program : Owners will be notified by mail and instructed to take their vehicle to a Mazda dealer.  
Dealers will replace the spring engaging the worm gear with an improved part and will also reapply grease to the gear teeth. 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 component reduces the spring force to the worm gear in the steering assembly.

Identify How/When Recall Condition was Corrected in Production : The improved steering gear assembly was implemented on December 11, 2023, at the vehicle assembly plant in Japan.

## Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on or before January 23, 2024.

Mailing of owner notification letters is expected to be completed on or before March 18, 2024.

Planned Dealer Notification Date : JAN 23, 2024 - JAN 23, 2024

Planned Owner Notification Date : MAR 18, 2024 - MAR 18, 2024

\* NR - Not Reported