

Part 573 Safety Recall Report

23V-429

Manufacturer Name : Mazda North American Operations**Submission Date :** JUN 15, 2023**NHTSA Recall No. :** 23V-429**Manufacturer Recall No. :** 5923F**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 : 18

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 : – Recall population determined by the production record of vehicles which received quality-related component replacements at Mazda Motor Corporation.
 – Vehicles not included in the recall did not receive replacement components during the affected production period.

The following is the affected number of vehicles by MY/Make/Model:
 MY 2024 Mazda CX-90 built at Mazda Motor Corporation; 18 units.

Production Dates : MAR 04, 2023 - MAR 11, 2023

VIN Range 1 : Begin : JM3KKCHD8R1103564 End : JM3KKCHD5R1104820 Not sequential**Description of Defect :**

Description of the Defect : Certain steering and suspension bolts may have been insufficiently torqued.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A separation of the steering intermediate shaft, front ABS wheel speed sensor harnesses, or front upper control arms may cause a loss of ability to control the vehicle, increasing the risk of a crash. No accidents, injuries, or deaths have been reported as a result of this defect.

Description of the Cause : Following normal quality checking activity of assembled vehicles at the assembly plant, the affected vehicles had several components replaced. Subsequently, the steering intermediate shaft, front ABS wheel speed sensor harnesses, and front upper control arm ball joints were disconnected. During reconnection, due to an improper torque verification process, these bolts may

not have been torqued to proper specification. As a result, one or more of these components may loosen or separate while driving.

Identification of Any Warning that can Occur : There is no warning preceding the occurrence of this defect.

Involved Components :

Component Name 1 : Nut

Component Description : Nut - upper arm and steering knuckle

Component Part Number : 9YB04-1036

Component Name 2 : Bolt

Component Description : Bolt - upper arm and steering knuckle

Component Part Number : 9YA02-A039

Component Name 3 : Bolt

Component Description : Bolt - intermediate shaft and steering gear

Component Part Number : B455-32099B

Component Name 4 : Bolt

Component Description : Bolt - ABS wheel-speed sensor to steering knuckle

Component Part Number : 99450-0612

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

May 28, 2023: On this date, Mazda Motor Corporation received two similar field reports from the Japan market about vehicles which experienced a separation of the front upper control arm and steering knuckle. Mazda examined manufacturing records at the vehicle assembly plant and found that both vehicles had several components replaced during quality check activities after initial assembly.

May 29, 2023: Mazda began verifying the fastening torque record for other components which were replaced during quality check activities at the assembly plant, to determine if any other components may not have been torqued to proper specification.

June 2, 2023: Mazda began identifying all potentially affected vehicles.

June 13, 2023: Mazda held a Quality Audit Committee meeting to review all available information to date and decided to conduct a proactive field action on certain MY 2024 CX-90 vehicles.

Description of Remedy :

Description of Remedy Program : Mazda will directly contact owners and instruct them to take their vehicle to an authorized Mazda dealer. Otherwise, Mazda will send written notifications to owners by U.S. mail. Dealers will check the bolt fastening torques of each affected component and ensure all bolts are torqued to proper specification. If any bolts or nuts are missing at time of inspection, they will be replaced with new parts and torqued to proper specification. There will be no charge for this service to vehicle owners. A reimbursement program will not be offered as subject vehicles are under new vehicle warranty coverage.

How Remedy Component Differs from Recalled Component : The original parts will be tightened to proper specification. Therefore, remedy components are not used.
Recalled part names: Bolt and nut.
Part number: 9YB04-1036 (nut for connecting upper arm and steering knuckle),
9YA02-A039 (bolt for connecting upper arm and steering knuckle)
B455-32099B (bolt for connecting Intermediate shaft and steering gear)
99450-0612 (bolt for attaching ABS wheel-speed sensor to steering Knuckle)

Identify How/When Recall Condition was Corrected in Production : The affected components are tightened to the correct specification in the vehicle assembly process. This defect was caused by inadequate tightening during post-assembly quality check activities.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on or before June 21, 2023. Mailing of owner notification letters is expected to be completed on or before July 14, 2023.

Planned Dealer Notification Date : JUN 21, 2023 - JUN 21, 2023

Planned Owner Notification Date : JUL 14, 2023 - JUL 14, 2023

* NR - Not Reported