

Part 573 Safety Recall Report

21V-101

Manufacturer Name : Mazda North American Operations

Submission Date : FEB 22, 2021

NHTSA Recall No. : 21V-101

Manufacturer Recall No. : 4721B



Manufacturer Information :

Population :

Manufacturer Name : Mazda North American Operations

Number of potentially involved : 599

Address : 1025 Connecticut Avenue, NW
Suite 910 Washington DC 20036

Estimated percentage with defect : 22 %

Company phone : 800-222-5500

Vehicle Information :

Vehicle 1 : 2021-2021 Mazda Mazda3

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : – Recall population was determined by the production record of vehicles which may have the subject wheel sensor installed.

The following is the affected number by MY/Make/Model:

2021MY Mazda Mazda3 built at Mazda de Mexico Vehicle Operation : 26 units

2021MY Mazda CX-30 built at Mazda de Mexico Vehicle Operation: 573 units

Production Dates : OCT 22, 2020 - OCT 23, 2020

VIN Range 1 : Begin : 3MZBPBCM5MM207935 End : 3MZBPBBM4MM207975 Not sequential

Vehicle 2 : 2021-2021 Mazda CX-30

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : – Recall population was determined by the production record of vehicles which may have the subject wheel sensor installed.

The following is the affected number by MY/Make/Model:

2021MY Mazda Mazda3 built at Mazda de Mexico Vehicle Operation?26?units

2021MY Mazda CX-30 built at Mazda de Mexico Vehicle Operation: 573 units

Production Dates : SEP 25, 2020 - NOV 09, 2020

VIN Range 1 : Begin : 3MVDMBDM7MM217514 End : 3MVDMBBL5MM229817 Not sequential

Description of Defect :

Description of the Defect : Air may suddenly leak from the tire air valve.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A sudden air leak from the tire air valve may cause a loss of vehicle control while driving, increasing the risk of a crash.

Description of the Cause : Due to an improper isolation procedure for finished wheel and tire assemblies which do not meet manufacturing specifications, certain previously-installed tire air valve parts may have been mixed with new parts on the supplier assembly line. If a given tire air valve is installed into a wheel and tire assembly more than once, damage to the air valve sealing surfaces may occur, possibly resulting in either a slow or sudden loss of air from an inflated tire.

Identification of Any Warning that can Occur : A warning lamp and warning messages in the Multi-Information Display may notify the driver of a reduction in tire pressure if this defect occurs.

Involved Components :

Component Name 1 : SENSOR,WHEEL

Component Description : Tire air valve

Component Part Number : BDGF-37140

Supplier Identification :**Component Manufacturer**

Name : TT Assembly Mexico, S.A. de C.V.

Address : Av Irapuato #549 , Cd, Industrial
Irapuato , Guanajato Foreign States C.P.36541

Country : Mexico

Chronology :

March 19, 2020: TT Assembly Mexico received parts return request from tier 2 supplier due to reports of tire air valves with abnormal noise. Some parts had already been installed into wheels, so TT Assembly removed those parts and returned them to the tier 2 supplier along with brand new parts for investigation.

October 12, 2020: TT Assembly Mexico received inspected parts.

October 22 through 23: TT Assembly Mexico investigated both the installed and unused inspected parts.

November 6, 2020: TT Assembly Mexico determined that the air valve seal can sustain damage when

reinstalling parts into new wheel assemblies after they had previously been installed.

December 11, 2020: TT Assembly Mexico clarified the target affected production range based on their own production, inspection, and shipping history.

February 16, 2021: Mazda held a Quality Audit Committee meeting to review all available information to date and determined to conduct a proactive field action on certain MY2021 Mazda3 and CX-30 vehicles. No accidents, injuries, or deaths have been reported as a result of this defect.

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 all four tire air valves with new parts. There will be no charge for this service to vehicle owners. As subject models are covered under new vehicle warranty, a reimbursement program will not be offered.

How Remedy Component Differs from Recalled Component : The remedy tire air valve parts are confirmed to be brand new parts and can be identified by part production date.

Identify How/When Recall Condition was Corrected in Production : Tire air valves with an improved isolation procedure, which prevents the reinstallation of parts during the assembly process, were installed on vehicles at the assembly plant starting on November 9th, 2020.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on or before February 25, 2021. Mailing of owner notification letters is expected to be completed on or before April 23, 2021.

Planned Dealer Notification Date : FEB 25, 2021 - FEB 25, 2021

Planned Owner Notification Date : APR 23, 2021 - APR 23, 2021

* NR - Not Reported