

Part 573 Safety Recall Report

23V-017

Manufacturer Name : Isuzu Motors Limited**Submission Date :** FEB 21, 2023**NHTSA Recall No. :** 23V-017**Manufacturer Recall No. :** V2301**Manufacturer Information :**

Manufacturer Name : Isuzu Motors Limited

Address : 46401 Commerce Center Drive

Plymouth MI 48170-2473

Company phone : 866-441-9638

Population :

Number of potentially involved : 242

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2023 ISUZU NQR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : This recall applies to interim MY 2022 and MY 2023 Class 5 diesel vehicles equipped with ESC, or ESC and optional ADAS, that have the factory frame modification option to extend the wheelbase from 176 inches to 200 or 212 inches.

Recall population is based on factory frame modification option code upon purchase of the vehicle. [8]

Production Dates : NOV 04, 2021 - JUN 22, 2022

VIN Range 1 : Begin : JALE5W169N7901720 End : JALE5W164P7900686 Not sequential

Vehicle 2 : 2022-2023 ISUZU NRR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information :

This recall applies to interim MY 2022 and MY 2023 Class 5 diesel vehicles equipped with ESC, or ESC and optional ADAS, that have the factory frame modification option to extend the wheelbase from 176 inches to 200 or 212 inches.

Recall population is based on factory frame modification option code upon purchase of the vehicle. [172]

Production Dates : AUG 04, 2021 - JUL 12, 2022

VIN Range 1 : Begin : JALE5W163N7304806 End : JALE5W166P7304107 Not sequential

Vehicle 3 : 2023-2023 HINO S52

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : This recall applies to MY 2023 Class 5 diesel vehicles equipped with ESC, or ESC and optional ADAS, that have the factory frame modification option to extend the wheelbase from 176 inches to 200 or 212 inches.

Recall population is based on factory frame modification option code upon purchase of the vehicle. [19]

Production Dates : JUN 02, 2022 - JUL 21, 2022

VIN Range 1 : Begin : JALEMW16XP7302637 End : JALEMW16XP7304369 Not sequential

Vehicle 4 : 2022-2023 CHEVROLET LCF 5500XD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information :

This recall applies to interim MY 2022 and MY 2023 Class 5 diesel vehicles equipped with ESC, or ESC and optional ADAS, that have the factory frame modification option to extend the wheelbase from 176 inches to 200 or 212 inches.

Recall population is based on factory frame modification option code upon purchase of the vehicle. [41]

Production Dates : AUG 03, 2021 - JUN 17, 2022

VIN Range 1 : Begin : JALEEW165N7304774 End : JALEEW16XP7303185 Not sequential

Vehicle 5 : 2022-2022 CHEVROLET LCF 5500HD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : This recall applies to interim MY 2022 Class 5 diesel vehicles equipped with ESC, or ESC and optional ADAS, that have the factory frame modification option to extend the wheelbase from 176 inches to 200 or 212 inches.

Recall population is based on factory frame modification option code upon purchase of the vehicle. [2]

Production Dates : SEP 13, 2021 - SEP 13, 2021

VIN Range 1 : Begin : JALEEW16XN7901449 End : JALEEW166N7901450 Not sequential

Description of Defect :

Description of the Defect : When the subject vehicles were modified to extend the frame to a 200 inch or 212 inch wheelbase, the ADAS camera and ABS module were not recalibrated to account for the different inputs from the vehicle resulting from the stretched frame. Therefore, when driving in a curve certain ADAS features and the ESC system working together with the ABS module may not function properly.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the ADAS camera and ABS module are not recalibrated after the frame is stretched, one or more of the following events could occur – in each case, increasing the risk of a crash:

- Automatic Emergency Braking System (AEBS) activation (as well as the AEBS warning light) may be delayed when driving in a curve and therefore the AEBS may then decelerate the vehicle more aggressively when activated.
- Adaptive Cruise Control may reduce following distance by about 8-10 m when driving in a curve.
- ESC may activate in an understeer condition without illuminating brake lights.
- ESC may delay activation in an oversteer condition, increasing potential for an oversteer event to occur.

Description of the Cause : The ADAS camera and ABS module were not recalibrated after the frame was stretched.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Electronic Hydraulic Control Unit (EHCU)

Component Description : Base component for controlling the hydraulic service brakes. Anti-lock Brake System, Electronic Stability Control, Automatic Emergency Braking.

Component Part Number : 8976513901, 8978299390

Component Name 2 : ADAS Stereo Camera

Component Description : Base component for early driver warning Advanced Driver Assistance System and Forward Collision Avoidance

Component Part Number : 8979014302, 8979038031

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

Chronology :

Provided separately

Description of Remedy :

Description of Remedy Program : Isuzu dealers will recalibrate (1) the ADAS camera to account for the (extended) length of the vehicles, and (2) the ABS module so the ESC system will function properly with the affected vehicles' longer wheelbases. All subject vehicles are covered under the New Truck Warranty. There is no expectation that these vehicles will need to be remedied outside of the warranty period.

How Remedy Component Differs from Recalled Component : Physically there is no difference, this is a recalibration of the ABS module and ADAS camera.

Identify How/When Recall Condition was Corrected in Production : On January 10, 2023, INAC QA travelled to the frame modification facilities that carry out the "factory option" frame extensions on behalf of Isuzu and trained the staff so all modified trucks produced after 1/10/2023 have the ADAS cameras and ESC systems properly calibrated.

Recall Schedule :

Description of Recall Schedule : Isuzu, Chevrolet, and Hino will notify their respective vehicle owners and dealers of this recall. Customers will be informed that the recall repairs will be done free of charge. The recall owner notification is expected to begin 3/10/2023. For additional information, Isuzu owners may contact Isuzu Customer Relations at 1-866-441-9638, Chevrolet owners may contact the GM Medium Duty Truck assistance line at 1-800-862-4389, and Hino owners may contact Hino Customer Service at 1-248-699-9390.

Planned Dealer Notification Date : JAN 23, 2023 - JAN 23, 2023

Planned Owner Notification Date : FEB 17, 2023 - MAR 03, 2023

* NR - Not Reported