

Part 573 Safety Recall Report

20V-383

Manufacturer Name : Hino Motors Sales U.S.A., Inc.

Submission Date : JUL 01, 2020

NHTSA Recall No. : 20V-383

Manufacturer Recall No. : AAJS0



Manufacturer Information :

Manufacturer Name : Hino Motors Sales U.S.A., Inc.

Address : 45501 Twelve Mile Road

Novi MI 48377

Company phone : 248-699-9300

Population :

Number of potentially involved : 10

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 HINO NJ8A

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : In the ABS-ECU control program for the 2021MY low-profile vehicles equipped with the full air brake system, we determined that because the programmed set value of the number of teeth in the rear tone ring was different from the actual number of teeth in the rear tone ring of the vehicles, the ABS warning lamp came on and the ABS function was disabled.

On the vehicles not subject to the recall, the set value of the rear tone ring teeth in the ABS-ECU control program was consistent with the number of teeth in the rear tone ring of the actual vehicle. Therefore, there was no risk of this failure occurring.

Production Dates : JAN 28, 2020 - MAR 19, 2020

VIN Range 1 : Begin : 5PVNJ8AV9M5T50408 **End :** 5PVNJ8AV6M5T51192 ☒ Not sequential

Description of Noncompliance :

Description of the Noncompliance : The set value for the number of rear axle tone ring teeth in the ABS-ECU control software differed from the actual number of teeth in the rear tone ring of the vehicle. As a result, the system mistakenly detected that there was a rotation difference between the front and rear wheels when the vehicle was operated at a stable speed exceeding 12 mph for about 16 seconds. At that point, the ABS warning lamp came on and the ABS function was suspended.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : The loss of ABS function does not comply with the equipment requirements for an Air Brake System stipulated in FMVSS 121, and may cause the vehicle to become unstable during braking or other situations, which could result in

Description of the Cause : an accident.
In the development of the ABS-ECU control software for the 2021MY vehicle, the number of teeth set in the control software was different from the actual number of teeth in the vehicle.

Identification of Any Warning that can Occur : The ABS Warning lamp would become illuminated indicating that the ABS System was suspended.

Involved Components :

Component Name 1 : NR
Component Description : NR
Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

2020/5

In the U.S. market, a body building company reported that the ABS warning lamp came on when the speed of the vehicle exceeded 40mph.

Our investigation of the actual vehicle found an abnormality in the vehicle tire speed sensor but after the tone ring and tire dimensions were checked, no abnormality was found. Since the reason for the failure was not resolved, Hino started detailed investigations focusing on the control program.

2020/6

Though the cause was not yet identified, we suspended shipment because the warning lamp illumination and ABS function disability had occurred. (June 10)

As a result of our various investigations, it was determined that in 2021MY NJ8A low-profile vehicles equipped with the full air brake system, the set value for the number of rear tone ring teeth in the ABS-ECU control program differed from the actual number of rear tone ring teeth in the vehicle. The ABS system mistakenly

detected that there was a rotation difference between the front and rear wheels when the vehicle was operated at a stable speed exceeding 12 mph for about 16 seconds, at which point the ABS warning lamp illuminated and the ABS function was suspended. We therefore determined to correct the software.

We also confirmed that 2020MY and earlier vehicles did not have any similar issues.

2020/6/24

Based on the investigation result explained above, Hino held a Safety Committee meeting and determined to implement a voluntary recall.

As of June 23, 2020, Hino is not aware of any reports of accidents or similar cases relevant to this failure in warranty data or from the field.

Description of Remedy :

Description of Remedy Program : For all target vehicles, dealers will reprogram the ABS-ECU control program with the corrected software. Customers who have received the "Customer Notification Letter for Recall AAJS0", who may have paid for repairs due to this defect may apply for reimbursement for those repair costs. All pre-notification reimbursement requests for repairs which were performed until a date 10 days after the final customer notification was made will be considered by Hino for reimbursement. Hino will also reimburse all Parts, Labor, and miscellaneous costs directly related to the remedy of this defect. Requests for reimbursement, including paid receipts, should be directed to Hino Motors Sales U.S.A., Inc. 45501 12 Mile Road. Novi, MI 48377

How Remedy Component Differs from Recalled Component : The ABS-ECU control program for the countermeasure has a different part number.

P/N: S8923-E0U40-B, ABS-ECU control program (1unit / vehicle)

Identify How/When Recall Condition was Corrected in Production : The corrected program is currently being developed. As soon as the development is completed, the ECU control program will be installed on the production line. In addition, inventory vehicles will be reprogrammed with the corrected software before shipping.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported