

Part 573 Safety Recall Report

18V-178

Manufacturer Name : Hino Motors Sales U.S.A., Inc.**Submission Date :** APR 30, 2018**NHTSA Recall No. :** 18V-178**Manufacturer Recall No. :** AA9Q0**Manufacturer Information :**

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

Address : 41280 Bridge Street

Novi MI 48375

Company phone : 248-699-9300

Population :

Number of potentially involved : 45

Estimated percentage with defect : 70 %

Vehicle Information :

Vehicle 1 : 2018-2019 HINO NE8J, NJ8J, NV8J

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Whenever automatic tightening equipment is used to tighten the subject valve train adjustment screw lock nuts in the engine, the VIN of each vehicle is recorded. An examination of the records of the tightening torque of the subject vehicles indicated that some of the screw lock nuts were tightened using improper torque. The recall population consists of all vehicles where these records indicate improper torque was used. Vehicles which are not being recalled had the proper torque.

Production Dates : SEP 21, 2017 - JAN 15, 2018

VIN Range 1 : Begin : 5PVNE8JP0J4S51502 End : 5PVNV8JT9J4S54914 Not sequential**Description of Defect :**

Description of the Defect : Because the control program of the automatic tightening equipment was improper, the tightening torque of some of the subject valve train adjustment screw lock nuts may have been insufficient.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the vehicle is continuously used under a condition where the tightening torque of the valve train adjustment screw lock nut is insufficient, the screw lock nut may come off, resulting, in the worst case, in damage to the engine. Such engine damage may increase the risk of the engine stopping, resulting in a vehicle crash.

Description of the Cause : Although the valve train adjustment screw lock nuts were tightened with the automatic tightening equipment, its control program was improper. Therefore, the automatic tightening equipment did not indicate when the tightening torque was insufficient.

Identification of Any Warning that can Occur : Abnormal engine noise.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On January 31, 2018 Hino's engine plant reported that some engine assemblies were found to have valve train adjustment screw lock nuts that were under torqued. The report further indicated that some engines with the under torqued screw lock nut may have been shipped from the engine plant.

On February 2, 2018 Hino Motors, Limited (Japan) issued shipping suspension for investigation process and inspection of all inventory engines.

On February 8, 2018 Hino Motors Manufacturing USA, Inc. issued a Shipping Suspension for trucks located at the West Virginia Assembly Plant and marshalling yard for investigation of the lock nuts to determine if the under-torque condition actually existed.

On February 10 -15, Hino Motors, Limited (Japan) dispatched team for inspection and repair for trucks located at the West Virginia Assembly Plant and marshalling yard.

During February and March 2018, Hino's engine plant reviewed the production record data for 40,486 engines produced since May 29, 2017 when a new production equipment installation had occurred, and identified specific engines which contained torque data that was below specification.

During February and March 2018, Hino inspected available engines and confirmed that some of the suspect engines did in fact contain under torqued screw lock nuts. Hino also discovered that in some cases, the screw lock nut had actually unthreaded and separated from the adjustment screw.

Hino held a Safety Committee meeting on March 8, 2018 where it was determined that due to the under torque condition a defect related to vehicle safety did exist and that a Safety Recall for the affected vehicles was required.

Description of Remedy :

Description of Remedy Program : Check the tightening torque of the applicable valve train adjustment screw lock nuts and tighten the nuts with the designated tightening torque. If the nut is missing, the engine will be replaced.
Customers who have received the "Customer Notification Letter for Recall (AA9Q0)", 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, received up to 10 days after the final customer notification was made, will be considered by Hino for reimbursement, if the repairs have been performed. Hino will 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 41280 Bridge Street, Novi, MI 48375

How Remedy Component Differs from Recalled Component : N/A

Identify How/When Recall Condition was Corrected in Production : The control program of the automatic tightening equipment was corrected on January 31, 2018, and manual torque inspection was added to the process after the reprogramming of the corrected automatic tightening torque.

Recall Schedule :

Description of Recall Schedule : The recall will be launched after sufficient parts are prepared to support the recall activity.

Planned Dealer Notification Date : MAR 15, 2018 - NR

Planned Owner Notification Date : MAY 14, 2018 - NR

* NR - Not Reported