

**Part 573 Safety Recall Report****15V-208****Manufacturer Name :** Hino Motors Sales U.S.A., Inc.**Submission Date :** MAY 26,2015**NHTSA Recall No. :** 15V-208**Manufacturer Recall No. :** M0280**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 : 1,950

Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2015-2016 HINO 238, 258, 268, 338

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : The front axle U-bolts were potentially over-torqued past the yield strength and could have begun to deform plastically.

Production Dates : JAN 05, 2015 - MAR 20, 2015

**VIN (Vehicle Identification Number) Range**

Begin : 5PVNE8JG0G4S50052	End : 5PVNV8JVXG4S55256	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 5PVNE8JG0G4S50052	End : 5PVNV8JVXG4S55256	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 5PVNE8JG0G4S50052	End : 5PVNV8JVXG4S55256	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 5PVNE8JG0G4S50052	End : 5PVNV8JVXG4S55256	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 5PVNE8JG0G4S50052	End : 5PVNV8JVXG4S55256	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 5PVNE8JG0G4S50052	End : 5PVNV8JVXG4S55256	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 5PVNE8JG0G4S50052	End : 5PVNV8JVXG4S55256	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 5PVNE8JG0G4S50052	End : 5PVNV8JVXG4S55256	<input checked="" type="checkbox"/> Not sequential VINs

**Description of Defect :**

Description of the Defect : During assembly of the front axle, the front axle U-bolts were potentially over-torqued past the yield strength and could have begun to deform plastically.

Description of the Safety Risk : There are two possible scenarios: 1) over time, the U-bolt may loosen due to minimal elastic clamp load, and the U-bolt nut may back off allowing the U-bolt itself to fall off; 2) In a worst case situation, the U-bolt may shear. Either

scenario could ultimately result in the spring separating from the axle, which would cause loss of steering ability.

Description of the Cause : NR

Identification of Any Warning that can Occur : If the U-bolt loosens, the driver may hear a rattling noise in the front, or increased steering effort accompanied by steering wander or drift.

**Supplier Identification :**

**Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

March 11, 2015

HMM West Virginia discovered an over-torque value on a front axle U-bolt during a random QC offline torque audit. Production immediately began investigation of root cause, as well as implementation of hand tightening for 100% of the front axle U-bolts.

March 11 ~ March 19, 2015

Resumed installation with the 4 head nut runner equipment while working to confirm root cause of over torque condition. Performed numerous installation trials utilizing various tightening programs in order to determine root cause.

March 20, 2015

Beginning 3/20/15 100% confirmation of the final U-bolt torque was implemented. This confirmation was ongoing until the final nut runner program was implemented and confirmed.

March 31, 2015

Recall determination meeting was held, and conclusion decision was made to issue a safety recall to correct all units with suspected over-torque issues.

**Description of Remedy :**

Description of Remedy Program : The front axle U-bolts will be replaced on the subject vehicles.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : Beginning 3/20/15, 100% confirmation of final U-bolt torque was implemented. On 4/13/15 the final nut runner program was implemented. This final program contains 5 torque stages as well as torque control and angle monitoring. Quality Control

audits the assembly equipment 4 times per day to confirm proper assembly torque.

**Recall Schedule :**

Description of Recall Schedule : Notification letter will be mailed, major fleets will get email notifications with the VIN list sent to dedicated contact.

Planned Dealer Notification Date : MAY 27, 2015 - MAY 27, 2015

Planned Owner Notification Date : JUN 05, 2015 - JUN 05, 2015

\* NR - Not Reported