

**Part 573 Safety Recall Report****14V-678****Manufacturer Name :** Hino Motors Sales U.S.A., Inc.**Submission Date :** DEC 30,2014**NHTSA Recall No. :** 14V-678**Manufacturer Recall No. :** A9940**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 : 2,641

Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2012-2015 HINO XJC, XFC

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style :

Power Train : DIESEL

Descriptive Information : On October 20, 2014, Hino Motors Ltd. decided that a non-compliance with Federal Motor Vehicle Safety Standards exists in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Production Dates : FEB 17, 2011 - OCT 31, 2014

**VIN (Vehicle Identification Number) Range**

Begin : JHHS DL2H8CK001002

End : JHHRPM2H8FK001257

 Not sequential VINs**Description of Defect :**

Description of the Defect : The red "BRAKE" warning lamp in the combination meter, which indicates a loss of brake fluid pressure, or low brake fluid level, may not illuminate during the check of lamp function when the ignition switch is turned to the "ON" position when the engine is not running. This does not comply with the requirements of Federal Motor Vehicle Safety Standard 105 S5.3.2.

Description of the Safety Risk : The driver may not be aware that the lamp is inoperative. In such a case, the lamp will not illuminate to notify the driver when the brake fluid pressure or fluid level is too low,

which could increase the risk of a crash in the worst case.

Description of the Cause : The software of the ABS ECU is incomplete. The software required to initiate the illumination of the red "BRAKE" warning lamp during the check of lamp function, when the ignition switch is turned to the "ON" position, when the engine is not running, is not included.

Identification of Any Warning that can Occur : A red "BRAKE" warning lamp in the combination meter, which indicates low brake fluid pressure or a low level of brake fluid, will not illuminate when the ignition switch is turned to the "ON" position when the engine is not running.

**Supplier Identification :****Component Manufacturer**

Name : NR

Address : NR

NR

Country : United States

**Chronology :**

October 3, 2014

HML received information from HMS via Hino Motors Manufacturing U.S.A., Inc. (HMM) that a subject vehicle was found non-compliant during a vehicle inspection because the red "BRAKE" warning lamp did not illuminate when the ignition switch was turned to the "ON" position when the engine was not running.

October 6, 2014

The Engineering Division of HML started the investigation.

October 20, 2014

Based on the results of the investigation, a design change in the software for production vehicles was implemented. Also, shipment of production vehicles was suspended.

HML decided to conduct a recall because the software does not comply with the requirements of FMVSS 105 S5.3.2.

The red "BRAKE" warning lamp has a dual function: (1) to illuminate when the ignition key is turned to the "ON" position when the engine is not running, and (2) also to illuminate when the brake fluid pressure or the brake fluid level is too low, while the engine is running. As a result of the investigation by the Engineering Division of HML, it was verified that the ABS ECU specifications did not include the software to illuminate the red "BRAKE" warning lamp when the ignition switch is turned to the "ON" position when the engine is not running. See the reference to Function (1), described above. The Engineering Division of HML also verified that Function (2), described above, operated properly.

**Description of Remedy :**

Description of Remedy Program : The ABS ECU will be reprogrammed. The Software which illuminates the red

"BRAKE" warning lamp when the ignition key is turned to the "ON" position when the engine is not running will be installed.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : Production vehicles will be reprogrammed with the new software beginning at the end of October, 2014.

**Recall Schedule :**

Description of Recall Schedule : The necessary interface tool and updated software to reprogram ABS ECU's in the field is expected to be available in February 2015. Hino will launch the recall at that time.

Planned Dealer Notification Date : DEC 16, 2014 - DEC 16, 2014

Planned Owner Notification Date : DEC 19, 2014 - DEC 19, 2014

\* NR - Not Reported