

Part 573 Safety Recall Report

18V-124

Manufacturer Name : Navistar, Inc.**Submission Date :** FEB 20, 2018**NHTSA Recall No. :** 18V-124**Manufacturer Recall No. :** 18501**Manufacturer Information :**

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive

Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 1,047

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2019 IC Bus CE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : CNG/LPG

Descriptive Information : School bus; 29 to 77 passengers and equipped with feature code 12PAA or 12PAB – PSI 8.8L Liquid Propane Gas (LPG) engine.

The correct dates of manufacture is 02/19/2015 through 01/16/2018 but the correct start date was not accepted by your system.

The suspect population is identified by models equipped with feature code 12PAA or 12PAB – PSI 8.8L Liquid Propane Gas (LPG) engine.

The inclusive dates of manufacture were determined by models built from the date feature codes 12PAA and 12PAB were put into production through the date a production change for the LPDM relay was put into place for vehicles coded with the above feature codes.

Production Dates : FEB 19, 2016 - JAN 16, 2018

VIN Range 1 : Begin : NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The LPDM relay for the propane booster pump and scavenge pump may experience intermittent continuity where the contacts in the relay may not make contact causing the fuel pump to stop running resulting in unintended stalling condition, no start, or hard start condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In bus applications, unintended stalling conditions may result in evacuation concerns when students must be transferred to another bus near the roadway.

Description of the Cause : The adjustable spring inside the relay that controls contact pressure may have been misadjusted at the relay manufacturer.

Identification of Any Warning that can Occur : None

Supplier Identification :

Component Manufacturer

Name : Power Solutions International, Inc. (PSI)
Address : 201 Mittel Dr.
Wood Dale ILLINOIS 60191
Country : United States

Chronology :

- 01/02/2018 – Navistar receives communication from PSI regarding a possible manufacturing defect from their supplier in the relay used in the LPDM which could affect the proper operation of the fuel system on propane engines in IC buses.
- 01/22/2018 – PSI implements an Interim Correct Action (ICA) at their facilities with a certified non-adjustable relay.
- 01/26/2018 – Navistar receives reports of buses stalling at a customer location.
- 01/30/2018 – The PSI containment action LPDM relay is implemented at Navistar’s assembly plant. All buses built 01/16/2018 through 1/30/2018 were quarantined and repaired on site.
- 02/05/2018 – Navistar reviews the warranty history and field reports, and found 35 warranty claims that referenced shut down, or engine stumble during operation relating to the LPDM module.
- 02/12/2018 – Navistar and PSI engineering meet and determine that the cause of potential stall conditions was a result of the supplier relay issue as described above.
- 02/14/2018 – Navistar declares a Safety Recall.

Description of Remedy :

Description of Remedy Program :

- The remedy will involve replacing the LPDM relay to a relay with no provision for manual adjustment.
- Navistar’s plan for reimbursement of pre-notification remedies, on file with NHTSA and dated 10/28/2015, applies and reimbursement instructions will be included in the customer notification.

How Remedy Component Differs from Recalled Component : The remedy LPDM relay is assembled with a contact pressure spring with no provision for manual adjustment, where the recalled LPDM relay was assembled with a contact pressure spring that allowed manual adjustment.

Identify How/When Recall Condition was Corrected in Production : 01/30/2018 – Navistar began using the LPDM with the new relay at its bus plant.

Recall Schedule :

Description of Recall Schedule : It is estimated that the Customer and Dealer notification letters will be mailed by 04/20/2018.
Planned Dealer Notification Date : APR 20, 2018 - APR 20, 2018
Planned Owner Notification Date : APR 20, 2018 - APR 20, 2018

* NR - Not Reported