

# Part 573 Safety Recall Report

# 18V-902

**Manufacturer Name :** Navistar, Inc.

**Submission Date :** DEC 19, 2018

**NHTSA Recall No. :** 18V-902

**Manufacturer Recall No. :** 18520



## Manufacturer Information :

**Manufacturer Name :** Navistar, Inc.

**Address :** 2701 Navistar Drive

Lisle IL 60532

**Company phone :** 331-332-1590

## Population :

**Number of potentially involved :** 475

**Estimated percentage with defect :** 17 %

## Vehicle Information :

**Vehicle 1 :** 2019-2020 IC Bus CE

**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES

**Body Style :** OTHER

**Power Train :** DIESEL

**Descriptive Information :** School bus, 29 to 77 passengers and built with feature code 0004JNU (Automatic; Hydraulic Brake System).

The suspect population is identified by models equipped with feature code 0004JNU (Automatic; Hydraulic Brake System).

The inclusive dates of manufacture were determined by buses built with brake pressure switches identified with the suspect lot code.

The vehicles in the suspect population were built with feature code 0004JNU (Automatic; Hydraulic Brake System) and any similar vehicle not subject to this notification were not.

There are 475 CESB in the suspect population.

**Production Dates :** DEC 04, 2017 - MAR 29, 2018

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** The hydraulic brake system brake pressure switch may have been assembled with a diaphragm made from incorrect material and when exposed to brake fluid, results in the diaphragm to swell, setting fault code 33-520941-5 and causing the brake warning light on the instrument cluster to turn on.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** The brake pressure switch on these buses may become stuck which results in a false fault code and brake warning light. There is no direct safety consequence because the brake system continues to function normally. However, in certain situations depending on owner policy, a brake warning light on a school bus that is carrying students may require the driver to immediately pull over and transfer students to another bus which could cause hazards with students near the roadway for an indeterminate amount of time.

**Description of the Cause :** The suspect brake pressure switches were assembled with a Viton diaphragm instead of EPDM diaphragm material.

**Identification of Any Warning that can Occur :** None

## Supplier Identification :

### Component Manufacturer

Name : Kodiak Controls (Kodiak)

Address : 734 Oakridge Dr.  
Romeoville ILLINOIS 60446

Country : United States

## Chronology :

10/05/2018 – Navistar receives communication of the issue from the field.

10/18/2018 – Navistar meets with the component supplier Kodiak to initiate an investigation.

10/22/2018 – Kodiak determines root cause and issue confined to a single lot.

10/26/2018 – Kodiak quarantines the lot from their inventory and Navistar manufacturing removes suspect parts from inventory.

11/06/2018 – Navistar initiates investigation to determine the scope of the issue on IC buses already shipped from the plant.

12/12/2018 – Navistar finalizes the suspect population.

12/12/2018 – Navistar declares a Safety Recall.

## Description of Remedy :

Description of Remedy Program : The remedy will involve inspecting the lot code on the brake pressure switch and replacing any switch found with the suspect lot code.

Navistar's plan for reimbursement of pre-notification remedies, on file with NHTSA and dated 10/03/2018, applies and reimbursement instructions will be included in the customer notification.

How Remedy Component Differs from Recalled Component : The remedy brake pressure switches are assembled with diaphragms made with material suitable for use with brake fluid and the suspect brake pressure switches were not.

Identify How/When Recall Condition was Corrected in Production : 10/26/2018 – Navistar inspected and removed suspect parts manufacturing inventory.

## Recall Schedule :

Description of Recall Schedule : It is estimated that the Customer and Dealer notification letters will be mailed by 02/15/2019.

Planned Dealer Notification Date : FEB 15, 2019 - FEB 15, 2019

Planned Owner Notification Date : FEB 15, 2019 - FEB 15, 2019

\* NR - Not Reported