

# Part 573 Safety Recall Report

# 22E-078

**Manufacturer Name :** ZF North America, Inc.

**Submission Date :** SEP 27, 2022

**NHTSA Recall No. :** 22E-078

**Manufacturer Recall No. :** NR



## Manufacturer Information :

## Population :

**Manufacturer Name :** ZF North America, Inc.

**Number of potentially involved :** 137

**Address :** 12001 Tech Center Drive

**Estimated percentage with defect :** 1 %

**Livonia MI 48150**

**Company phone :** 7348552600

## Equipment Information :

**Brand / Trade 1 :** ZF

**Model :** IPU (Integrated Pedal Unit)

**Part No. :** 9650019900

**Size :** 329.8 x 332 / 426 (mm)

**Function :** Service brake

**Descriptive Information :** On affected units, the locking screw of the shaft maintaining the brake pedal is potentially not present or it may not be fully threaded. The relevant ZF part number is 9650019900 (C-Samples).

**Production Dates :** JUN 30, 2021 - APR 08, 2022

## Description of Defect :

**Description of the Defect :** The shaft locking screw maintaining the brake pedal may potentially be missing or it may not be fully threaded. If the shaft locking screw is missing or insufficiently seated, under certain conditions there is the potential for the shaft to move from its guidance and for the brake pedal to fall off.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** Loss of brake pedal function, increasing the risk of a crash.

**Description of the Cause :** Based on available information, there are two potential causes, both involving the assembly process: (1) electrical screwdriver may not have been linked to automatic sequence control; and (2) necessary tightening operation may have been skipped at the assembly station.

**Identification of Any Warning that can Occur :** Brake pedal feel may change prior to pedal detachment.

## Involved Components :

Component Name : IPU

Component Description : Integrated Pedal Unit

Component Part Number : 9650019900

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

On September 6, 2022, a ZF employee received a field complaint from a foreign market. Based on photo documentation of this incident, ZF immediately contained potentially affected parts and initiated an investigation. Based on available information, ZF determined on September 9, 2022 that the observed condition presented a potential safety risk in the markets where the component was available. ZF continued to investigate whether there were any vehicles equipped with the suspect part that were intended for, or shipped into, the U.S. market. On September 13, 2022, ZF subsequently determined that suspect parts had been shipped to the United States and were potentially in the field. At that time, ZF made the decision to submit a Part 573 report to NHTSA. ZF also communicated that decision to its vehicle manufacturer customer verbally on September 13, 2022. To date, ZF has received no warranty claims or reports of accidents or injuries related to this condition.

## Description of Remedy :

Description of Remedy Program : ZF has alerted its vehicle manufacturer customer of the potential safety-related defect in this original equipment. Any owner notification, remedy program, and quarterly reporting will be conducted by the vehicle manufacturer; accordingly, ZF is not providing a dealer and owner notification schedule. ZF will support the vehicle manufacturer's recall by providing detailed instructions for identifying, diagnosing and repairing or replacing affected components that may have missing or under-torqued screws.

How Remedy Component Differs Replacement IPU units have been assembled using an automatic sequence

from Recalled Component : tightening process. Remedied components will have a shaft locking screw present per specification.

Identify How/When Recall Condition was Corrected in Production : ZF upgraded its assembly process on April 08, 2022 with an automatic sequence tightening process to secure the final product.

## Recall Schedule :

Description of Recall Schedule : ZF has notified its customer about the issue and will work with it to address the issue with owners. ZF does not have dealers or distributors for the affected parts; therefore, it has not populated the Planned Dealer Notification portion of this report and will not be issuing a dealer notification.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

## Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Nikola Corporation

Address : 4141 E. Broadway Rod.  
Phoenix AZ 85040

Country : US

Company Phone : 8884299216

\* NR - Not Reported