

# Part 573 Safety Recall Report

# 19V-449

**Manufacturer Name :** Chrysler (FCA US LLC)**Submission Date :** JUN 13, 2019**NHTSA Recall No. :** 19V-449**Manufacturer Recall No. :** V63**Manufacturer Information :**

Manufacturer Name : Chrysler (FCA US LLC)

Address : 800 Chrysler Drive  
CIMS 482-00-91 Auburn Hills MI  
48326-2757

Company phone : 1-800-853-1403

**Population :**

Number of potentially involved : 41,169

Estimated percentage with defect : 25 %

**Vehicle Information :**

Vehicle 1 : 2019-2019 Jeep Cherokee

Vehicle Type :

Body Style : SUV

Power Train : NR

**Descriptive Information :** Some 2019 MY Jeep Cherokee ("KL") vehicles manufactured between July 28, 2018, and September 20, 2018, may have acceleration sensors which may fail due to an incomplete solder connection on the printed circuit board resulting in a loss of communication between the Occupant Restraint Controller ("ORC") and one or more of the acceleration sensors.

The vehicle population was determined through supplier manufacturing data and warranty part return analysis.

Similar vehicles not included in this recall were manufactured with acceleration sensors built outside of the suspect production period.

Production Dates : JUL 28, 2018 - SEP 20, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** A loss of communication between the ORC and one or more of the acceleration sensors may result in a diminished capability of the air bag system to properly detect certain crash events.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** A diminished capability of the air bag system to properly detect certain crash events may result in degraded inflator outputs, late air bag deployment, or a

failure to deploy. If an acceleration sensor loses communication with the ORC, the air bag warning lamp will illuminate in the instrument panel indicating a malfunction in the occupant restraint system. If this warning is not heeded, this condition may increase the risk of injury to vehicle occupants in the event of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : The air bag warning lamp will illuminate if the acceleration sensor is not properly functioning.

## Supplier Identification :

### Component Manufacturer

Name : ZF

Address : 902 S. Second St.  
Marshall ILLINOIS 62441

Country : United States

## Chronology :

- On April 10, 2019, FCA US LLC ("FCA US") Vehicle Safety and Regulatory Compliance ("VSRC") organization opened an investigation regarding acceleration sensors on some 2019 Jeep Cherokee ("KL") vehicles based on input from FCA US Engineering.
- In the months of April and May 2019, FCA US VSRC researched CAIRs, VOQs, and warranty to understand potential customer consequence and scope of the issue. FCA US VSRC found that a loss of communication between the ORC and one or more of the acceleration sensors may result in a diminished capability of the air bag system to properly detect and respond to certain crash events.
- On May 28, 2019, FCA US Engineering, VSRC, and the sensor supplier met to discuss scope of the supplier's manufacturing issues.
- As of May 31, 2019, FCA US is unaware of any accidents or injuries potentially related to this issue.
- As of May 31, 2019, FCA US identified approximately 22 CAIRs, 0 VOQs and 461 warranty field reports that appear to be related to this issue.
- As of May 31, 2019, total warranty is 851 acceleration sensors replaced at 10Cs/1000.
- On June 4, 2019, FCA US Quality Engineering, VSRC, and the supplier met to continue discussion on scope of the supplier's manufacturing issues.
- On June 06, 2019, FCA US determined, through the Vehicle Regulations Committee, to conduct a voluntary

safety recall of the affected vehicles.

## Description of Remedy :

Description of Remedy Program : FCA US will conduct a Voluntary Safety Recall to replace the affected sensors.

FCA US has a longstanding policy and practice of reimbursing owners who have incurred the cost of repairing a problem that subsequently becomes the subject of a field action. To ensure consistency, FCA US, as part of the owner letter, will request that customers send the original receipt and/or other adequate proof of payment to the company for confirmation of the expense.

How Remedy Component Differs from Recalled Component : Part Name: Sensor

Part Description: Front Impact / Acceleration side

Part Number: 56038974AA / 56038975AA

Identify How/When Recall Condition was Corrected in Production : NR

## Recall Schedule :

Description of Recall Schedule : \*\*06/13/2019: FCA US will notify dealers and begin notifying owners on or about 08/02/2019.

Planned Dealer Notification Date : AUG 02, 2019 - AUG 02, 2019

Planned Owner Notification Date : AUG 02, 2019 - AUG 02, 2019

\* NR - Not Reported