

# Part 573 Safety Recall Report

# 23V-302

**Manufacturer Name :** Chrysler (FCA US, LLC)**Submission Date :** SEP 19, 2023**NHTSA Recall No. :** 23V-302**Manufacturer Recall No. :** 45A**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 : 25,980

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2016-2017 Jeep Cherokee

Vehicle Type :

Body Style : SUV

Power Train : NR

**Descriptive Information :** Some 2016-2017 MY Jeep Cherokee vehicles were built with a two-speed power transfer unit ("PTU") that allows relative movement between the differential input splines and the transmission output shaft.

The suspect period began on September 3, 2015, when PTUs with a revised design started to be used in vehicle production, through September 23, 2016, when PTUs with more robust differential input splines started to be used in vehicle production. The vehicle population was determined by supplier and vehicle assembly traceability records.

Similar vehicles not included in this recall do not have a PTU, were built with a PTU of a different design, were included in FCA US Recall ID W47 (NHTSA Recall ID 20V-343), or were built with differential input splines that are more robust.

Production Dates : SEP 03, 2015 - SEP 23, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

**Description of Defect :**

Description of the Defect : Relative movement in the PTU between the differential input splines and the transmission output shaft may result in the teeth of the input splines wearing off, which may eventually cause a loss of engagement between the transmission and the differential inside the PTU. If this occurs, torque cannot be transferred between the front wheels and the transmission which results in a loss of motive power while the vehicle is in motion in two-wheel drive mode and a loss of the PARK function while stationary.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of motive power can cause a vehicle crash without prior warning. A loss of PARK function can cause a vehicle crash without prior warning and/or injury to others outside the vehicle.

Description of the Cause : NR

Identification of Any Warning that can Occur : None

**Involved Components :**

Component Name 1 : PTU Assembly

Component Description : Power Transfer Unit

Component Part Number : 68090605AJ, 68090605AK, 68090605AL, 68282447AA, 68282447AB, 68282447AC, 68307403AA, 68307403AB

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

Name : American Axle & Manufacturing

Address : One Dauch Drive  
Detroit Michigan 48211

Country : United States

**Chronology :**

- On March 7, 2023, the FCA US LLC ("FCA US") Technical Safety and Regulatory Compliance ("TSRC")

organization opened an additional investigation into 2016-2017 MY Jeep Cherokee vehicles for potential PTU failures that experience a loss of motive power ("LOMP") and/or park function. A previous investigation included 2014-2017 Jeep Cherokee vehicles and resulted in recall W47 (NHTSA Recall No. 20V-343), however, the vehicles included in this new population did not exhibit the same potential PTU failure rates at that time, and were therefore not included.

- During March 2023, FCA US TSRC conducted an analysis of LOMP and/or loss of park function patterns associated with two-speed PTU replacements.
- As of April 20, 2023, FCA US is aware of two customer assistance records, 17 warranty claims, zero field reports, and six other service records potentially related to this issue for all markets with dates of receipt ranging from January 13, 2017, through August 7, 2022.
- As of April 20, 2023, FCA US is not aware of any accidents or injuries potentially related to this issue for all markets.
- On April 20, 2023, 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 flash the affected vehicles with software that will maintain vehicle propulsion by engaging rear wheel drive and prevent rolling in PARK by activating the electric parking brake if a failed input spline occurs.

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 :** The remedy component will be a software flash that, if failure of the input splines occurs, causes a malfunction indicator lamp to illuminate, rear axle engagement to prevent a loss of motive power, and electronic parking brake activation when the vehicle is in PARK to prevent a loss of PARK function.

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

## Recall Schedule :

**Description of Recall Schedule :** \*\*04/27/2023: FCA US will notify dealers and begin notifying owners on

or about 06/16/2023.

Planned Dealer Notification Date : JUN 16, 2023 - JUN 16, 2023

Planned Owner Notification Date : JUN 16, 2023 - JUN 16, 2023

\* NR - Not Reported