

Part 573 Safety Recall Report

18V-343

Manufacturer Name : Chrysler (FCA US LLC)**Submission Date :** MAY 25, 2018**NHTSA Recall No. :** 18V-343**Manufacturer Recall No. :** U48**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 : 539

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2018-2018 Jeep Wrangler

Vehicle Type :

Body Style : ALL

Power Train : NR

Descriptive Information : Some 2018 MY Jeep Wrangler vehicles may contain a steering intermediate shaft that has an incomplete high frequency long seam weld, which may eventually result in a split where the external spline is formed.

The population was defined as 2018 MY Jeep Wrangler (JL) vehicles built at Toledo North Assembly Plant ("TNAP") from January 30, 2018, when the first suspect steering intermediate shafts were received at TNAP from the Tier I supplier Global Steering Systems ("GSS"), to January 31, 2018, when TNAP purged plant stock and replaced it with certified material.

Similar 2018 MY Jeep Wrangler (JL) vehicles are not affected by this recall, as they have steering intermediate shafts manufactured by the supplier on a different, unaffected production run. 2018 MY Jeep Wrangler (JK) vehicles are not included in this recall because a different supplier produces the intermediate shaft.

Production Dates : JAN 30, 2018 - JAN 31, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Some 2018 MY Jeep Wrangler vehicles may contain a steering intermediate shaft that has an incomplete long seam weld, which may result in a split where the external spline is formed.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Under high steering wheel torque, the intermediate shaft may index on the spline, causing the steering wheel to lose center positioning. Emergency maneuvers may result in diminished steering responsiveness, which can cause a vehicle crash without prior warning.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Global Steering Systems, LLC
Address : 156 Park Road
Watertown CONNECTICUT 06795
Country : United States

Chronology :

- On January 31, 2018, FCA US LLC ("FCA US") was notified by the Tier I Supplier, GSS, of a quality issue on the 2018 MY Jeep Wrangler JL intermediate shaft.
- On January 31, 2018, sorting was initiated at TNAP to visually inspect all inventory.
- On February 1, 2018, the root cause was determined that the Tier II supplier used incorrect repair parts on a high frequency welder that caused it to produce tubing with incomplete welds.
- On February 2, 2018, a Product Related Issue ("PRI") #18-093-01 was initiated to hold and rework vehicles within FCA US' control with suspect intermediate shafts.
- On February 19, 2018, GSS reported that a suspect intermediate shaft failed a fatigue durability test at 35% of the required 164,400 cycles.
- On February 22, 2018, an Investigation was opened by the FCA US Vehicle Safety and Regulatory Compliance organization.
- Between April 5, 2018, and April 12, 2018, testing was conducted to determine the steering wheel torque required to perform a 65 MPH emergency lane change maneuver and found that the post durability test suspect shaft did not meet the required torque to perform the maneuver.
- As of May 21, 2018, FCA US identified 0 CAIRs, 0 VOQs and 0 field reports related to this issue.
- As of May 21, 2018, total warranty is 0 c/1000.
- As of May 21, 2018, FCA US is unaware of any accidents or injuries potentially related to this issue.
- On May 21, 2018, 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 inspect the steering intermediate shaft of the suspect population of vehicles and replace the shaft if necessary.

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: Steering intermediate shaft
Part Description: SHAFT, Steering Column Intermediate LHD
Part Number: 68274743AC

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

Recall Schedule :

Description of Recall Schedule : ** 05/25/18: FCA US will notify dealers and begin notifying owners on or about 07/14/2018.

Planned Dealer Notification Date : JUL 14, 2018 - JUL 14, 2018

Planned Owner Notification Date : JUL 14, 2018 - JUL 14, 2018

* NR - Not Reported