

Part 573 Safety Recall Report

17V-541

Manufacturer Name : Chrysler (FCA US LLC)**Submission Date :** AUG 31, 2017**NHTSA Recall No. :** 17V-541**Manufacturer Recall No. :** T55**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 : 4

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 Dodge Durango

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Certain 2017 MY Dodge Durango ("WD") 4X2 vehicles may have halfshafts that are too short for the intended application. A halfshaft that is too short could disengage from the differential resulting in an unexpected loss of motive power increasing the risk of a vehicle crash. The suspect period was established based on supplier part traceability information. The halfshaft serial number from the one known incident on an FCA US LLC ("FCA US") experimental test vehicle was traced back to a specific pallet of halfshafts built at the supplier. Analysis of the process at the supplier led to confirmation that the last eight halfshafts built for that pallet were suspect due to mixed components during part number changeover on the supplier's component assembly line. Those suspect halfshafts escaped the supplier plant and were used in five rear axle subassemblies at the module supplier that were ultimately shipped to the FCA US Jefferson North Assembly Plant ("JNAP"). The FCA US experimental test vehicle was built on June 2, 2017, and the other four affected vehicles were built on May 25 and 31 and June 1 and 2, 2017, at JNAP. Similar vehicles not included in the recall population have been excluded based on parts traceability information indicating they were not built with suspect halfshafts.

Production Dates : MAY 25, 2017 - JUN 02, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : If the halfshaft is too short it could disengage from the differential.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A halfshaft that is too short could disengage from the differential resulting in an unexpected loss of motive power, and can cause vehicle crash without prior warning.

Description of the Cause : A supplier manufacturing process error allowed incorrect components to be assembled onto the halfshafts.

Identification of Any Warning that can Occur : The customer may hear noise from the drivetrain but the single incident driver did not mention any noise or warning in his verbatim.

Supplier Identification :

Component Manufacturer

Name : GKN Driveline North America, Inc

Address : CARRETERA CELAYA VILLAGRAN KM 11
VILLAGRAN FOREIGN STATES 38260

Country : Mexico

Chronology :

- On July 20, 2017, the FCA US Vehicle Safety and Regulatory Compliance (“VSRC”) organization was made aware of a halfshaft disengagement on a FCA US experimental vehicle.
- Between July 20, and August 4, 2017, FCA US Supplier Quality Engineering worked with the supplier to identify the issue with the halfshaft in the incident vehicle (incorrect length) and whether other halfshafts might have been produced with the incorrect length.
- On August 4, 2017, FCA US Supplier Quality Engineering completed work with the supplier and confirmed that a total of eight halfshafts may have been produced and shipped with the incorrect length, and that five vehicles may have been assembled with those halfshafts.
- On August 8, 2017, the FCA US VSRC organization opened an investigation based on the final report from the Supplier Quality team.
- Physical read-across indicates that this halfshaft has been used in 2011-2018 MY WD and Jeep Grand Cherokee (“WK”) vehicles. Warranty analysis does not indicate any concerns among these other models and model years.
- On August 24, 2017, 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 both halfshafts on all affected vehicles. The differential will be inspected and replaced if found to have damage to the splines that engage the halfshaft.

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: Halfshaft Assembly
Part Description: Rear halfshaft used on 2017 MY Dodge Durango 4x2 vehicles
Part Number: 52123524AB

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

Recall Schedule :

Description of Recall Schedule : ** 08/31/2017: FCA US will notify dealers and begin notifying owners on or about 10/20/2017.
Planned Dealer Notification Date : OCT 20, 2017 - OCT 20, 2017
Planned Owner Notification Date : OCT 20, 2017 - OCT 20, 2017

* NR - Not Reported