

Part 573 Safety Recall Report

18V-277

Manufacturer Name : Chrysler (FCA US LLC)**Submission Date :** MAY 01, 2018**NHTSA Recall No. :** 18V-277**Manufacturer Recall No. :** U41**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 : 2,457

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2018 Ram 4500/5500 Cab Chassis

Vehicle Type :

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Some 2018 MY Ram 4500/5500 Cab Chassis vehicles may have primary and secondary brake hoses, located between the master cylinder and the hydraulic control unit, with no anti-corrosion plating on the ferrules, which may allow premature corrosion and subsequently can lead to a partial or complete loss of brake function.

The suspect period began at Saltillo Assembly Plant on January 15, 2018, when the parts with no anti-corrosion plating on the ferrules were introduced into vehicle production, to March 15, 2018, when the suspect parts were no longer used in production.

Similar vehicles not included in the recall have primary and secondary brake hoses manufactured outside of the suspect period, which were built with anti-corrosion plating on the ferrules.

Production Dates : JAN 15, 2018 - MAR 15, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : Some primary and secondary brake tube hoses were produced with no anti-corrosion plating on the ferrules. Anti-corrosion plating is required to meet FCA US LLC ("FCA US") long-term durability corrosion requirements. The absence of anti-corrosion plating on the brake tube hose ferrules may allow premature corrosion and subsequently can lead to a partial or complete loss of brake function.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The ferrules on both brake hoses, in certain circumstances, may prematurely corrode and develop a brake fluid leak simultaneously and potentially result in a partial or complete loss of brake function. Loss of brake function can cause vehicle crash without prior warning.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Martinrea Int. de México S.A. de C.V.

Address : Carretera Antigua Arteaga
2653 Colonia La Aurora Saltillo FOREIGN STATES 25298

Country : Mexico

Chronology :

- On March 19, 2018, the FCA US Vehicle Safety and Regulatory Compliance ("VSRC") organization opened an investigation as a result of PRI 18-106-01. This was related to brake tube hose ferrules with no anti-corrosion plating.
- During the week of March 19, 2018, the FCA US VSRC met with FCA US Engineering to confirm anti-corrosion plating is required to meet FCA US long-term durability corrosion requirements. Ferrules with no anti-corrosion plating can, in certain circumstances, lose an estimated 50% of their material gauge in about 4.75 years of vehicle life.
- Between March 26, 2018 and April 9, 2018, the FCA US VSRC reviewed the investigation with FCA US Engineering to understand driver detectability and any pressure differences between the two brake hoses. FCA US Engineering confirmed the driver would be alerted to any leak in the ferrule through a red brake warning light in the instrument cluster, and both brake hoses experience the same pressures.
- During the week of April 9, 2018, the FCA US VSRC met with FCA Mexico SA de CV Supplier Quality and the supplier to understand and confirm the suspect period and scope of vehicles affected.
- As of April 23, 2018, FCA US has not identified any CAIRs, VOQs, warranty or field reports and is not aware of

any accidents or injuries potentially related to this issue.

- On April 25, 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 on all affected vehicles to inspect the brake tube hoses for the Julian date code marking and replace if needed.

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: TUBE ASSEMBLY - BRAKE / TUBE ASSEMBLY - BRAKE
Part Description: Master Cylinder to HCU, Primary / Master Cylinder to HCU, Secondary
Part Number: 68226109AC / 68226110AC

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

Recall Schedule :

Description of Recall Schedule : ** 05/01/2018: FCA US will notify dealers and begin notifying owners on or about 06/20/2018.
Planned Dealer Notification Date : JUN 20, 2018 - JUN 20, 2018
Planned Owner Notification Date : JUN 20, 2018 - JUN 20, 2018

* NR - Not Reported