

Part 573 Safety Recall Report

24V-896

Manufacturer Name : Chrysler (FCA US, LLC)**Submission Date :** NOV 27, 2024**NHTSA Recall No. :** 24V-896**Manufacturer Recall No. :** C4B**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 : 317,630

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2018 Ram 3500 Pickup

Vehicle Type :

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Some 2017-2018 MY Ram 3500 vehicles may have been built with a brake hydraulic control unit ("HCU") that is susceptible to failure or malfunction which may result in a reduction or change of Anti-Lock Brake System ("ABS")/Electronic Stability Control ("ESC") /Traction Control performance.

The suspect period began on April 1, 2017, when suspect HCUs were introduced into vehicle production, and ended on December 29, 2018, when suspect HCUs were no longer used in vehicle production. The vehicle population was determined using vehicle production records.

Similar vehicles not included in this recall were built before or after the suspect period.

The total affected vehicles for this model is 73,006.

Production Dates : APR 01, 2017 - DEC 29, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2018 Ram 3500 Cab Chassis

Vehicle Type :

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Some 2017-2018 MY Ram 3500 vehicles may have been built with a brake HCU that is susceptible to failure or malfunction which may result in a reduction or change of ABS/ESC/Traction Control performance.

The suspect period began on April 1, 2017, when suspect HCUs were introduced into vehicle production, and ended on December 28, 2018, when suspect HCUs were no longer used in vehicle production. The vehicle population was determined using vehicle production records.

Similar vehicles not included in this recall were built before or after the suspect period.

The total affected vehicles for this model is 18,571.

Production Dates : APR 01, 2017 - DEC 28, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2017-2018 Ram 3500 <10k Lb. Cab Chassis

Vehicle Type :

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Some 2017-2018 Ram 3500 vehicles may have been built with a brake HCU that is susceptible to failure or malfunction which may result in a reduction or change of ABS/ESC/Traction Control performance.

The suspect period began on April 1, 2017, when suspect HCUs were introduced into vehicle production, and ended on December 15, 2018, when suspect HCUs were no longer used in vehicle production. The vehicle population was determined using vehicle production records.

Similar vehicles not included in this recall were built before or after the suspect period.

The total affected vehicles for this model is 505.

Production Dates : APR 01, 2017 - DEC 15, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2017-2018 Ram 2500 Pickup

Vehicle Type :

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Some 2017-2018 MY Ram 2500 vehicles may have been built with a brake HCU that is susceptible to failure or malfunction which may result in a reduction or change of ABS/ESC/Traction Control performance.

The suspect period began on April 1, 2017, when suspect HCUs were introduced into vehicle production, and ended on December 29, 2018, when suspect HCUs were no longer used in vehicle production. The vehicle population was determined using vehicle production records.

Similar vehicles not included in this recall were built before or after the suspect period.

The total affected vehicles for this model is 197,344.

Production Dates : APR 01, 2017 - DEC 29, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2017-2018 Ram 4500/5500 Cab Chassis

Vehicle Type :

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Some 2017-2018 MY Ram 4500/5500 vehicles may have been built with a brake HCU that is susceptible to failure or malfunction which may result in a reduction or change of ABS/ESC/Traction Control performance.

The suspect period began on April 1, 2017, when suspect HCUs were introduced into vehicle production, and ended on December 29, 2018, when suspect HCUs were no longer used in vehicle production. The vehicle population was determined using vehicle production records.

Similar vehicles not included in this recall were built before or after the suspect period.

The total affected vehicles for this model is 28,204.

Production Dates : APR 01, 2017 - DEC 29, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : A failing HCU will initially result in the intermittent loss of ABS/Traction control progressing to permanent loss.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The loss of ABS/ESC/Traction control may cause a vehicle crash without prior warning.

Description of the Cause : NR

Identification of Any Warning that can Occur : Malfunction Indicator Lamp ("MIL") will light when ABS motor is not able to function.

Involved Components :

Component Name 1 : HCU

Component Description : Brake HCU

Component Part Number : 68143491AA / 68195569AA

Supplier Identification :

Component Manufacturer

Name : ZF North America, Inc.

Address : 15811 Centennial Drive
Northville Michigan 48168

Country : United States

Chronology :

On November 28, 2022, NHTSA opened a formal investigation into 2017-2018 MY Dodge Ram 2500-3500 vehicles built with a hydraulic control unit (HCU) anti-lock brake system (ABS) that can result in a failed or difficult operation of the brakes.

On January 23, 2023, FCA US received an Information Request ("IR") Letter from NHTSA.

On March 6, 2023, FCA US submitted its response to NHTSA IR.

From September 2023, through January 2024, FCA US met with NHTSA to review engineering data of the alleged defect.

On March 5, 2024, NHTSA issued an information request letter expanding the alleged defect to a failure or malfunction of the HCU resulting in a reduction or change in braking performance or any brake related warning lamp.

On April 17, 2024, FCA US submitted its response to NHTSA's IR response.

From June 2024 through July 2024, FCA US, ZF, and NHTSA conducted testing at the Vehicle Research Test Center ("VRTC") to review testing of 'failed' customer part.

On October 17, 2024, the FCA US Technical Safety and Regulatory Compliance ("TSRC") organization opened an investigation into 2017-2018 MY Dodge Ram 2500-5500 vehicles built with a HCU ABS that can fail.

As of November 18, 2024, FCA US is aware of 4,622 customer assistance records, 53,448 warranty claims, and 1,460 field reports potentially relating to this issue for all markets with dates of receipt ranging from November 1, 2016, to March 5, 2024.

As of November 18, 2024, FCA US is aware of zero accidents and zero injuries potentially related to this issue for all markets.

On November 21, 2024, 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 Brake HCU.

FCA US submitted its General Reimbursement Plan relating to reimbursement to owners and purchasers for costs incurred for remedies in advance of the manufacturer's notification of safety-related defects and noncompliance with Federal motor vehicle safety standards in October 2024. Owners and purchasers may be eligible for reimbursement in accordance with that plan.

How Remedy Component Differs from Recalled Component : The remedy will be a HCU with a pump motor brush material change.

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

Recall Schedule :

Description of Recall Schedule : **11/27/2024: FCA US will notify dealers on or about 12/05/2024 and begin notifying owners on or about 01/09/2025.

Planned Dealer Notification Date : DEC 05, 2024 - DEC 05, 2024

Planned Owner Notification Date : JAN 09, 2025 - JAN 17, 2025

* NR - Not Reported