

Part 573 Safety Recall Report

24V-510

Manufacturer Name : Chrysler (FCA US, LLC)**Submission Date :** OCT 10, 2024**NHTSA Recall No. :** 24V-510**Manufacturer Recall No. :** 82B**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 :** 332,006**Estimated percentage with defect :** 10 %**Vehicle Information :****Vehicle 1 :** 2024-2024 Fiat 500E**Vehicle Type :****Body Style :** 2-DOOR**Power Train :** NR**Descriptive Information :** Some 2024 MY Fiat 500E vehicles may have been built with a suspect connector on the buckle switch hall effect sensor.

The suspect period began on November 29, 2023, when the first vehicle with a suspect connector was produced, and ended on January 31, 2024, when vehicles were no longer built with the suspect connector. Supplier shipment and vehicle production records were used to determine the suspect period.

Similar vehicles not included in this recall were manufactured after the suspect period.

The total affected vehicles for this model is 868.

Production Dates : NOV 29, 2023 - JAN 31, 2024**VIN Range 1 : Begin :**

NR

End : NR☐ Not sequential

Vehicle 2 : 2019-2023 Fiat 500X

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2019-2023 MY Fiat 500X vehicles may have been built with a suspect connector on the buckle switch hall effect sensor.

The suspect period began on January 28, 2019, when the first vehicle with a suspect connector was produced, and ended on December 14, 2023, when vehicles were no longer built with the suspect connector. Supplier shipment and vehicle production records were used to determine the suspect period.

Similar vehicles not included in this recall were manufactured after the suspect period.

The total affected vehicles for this model is 5,115.

Production Dates : JAN 28, 2019 - DEC 14, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2017-2024 Alfa Romeo Giulia

Vehicle Type :

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Some 2017-2024 MY Alfa Romeo Giulia vehicles may have been built with a suspect connector on the buckle switch hall effect sensor.

The suspect period began on September 2, 2016, when the first vehicle with a suspect connector was produced, and ended on June 20, 2024, when vehicles were no longer built with the suspect connector. Supplier shipment and vehicle production records were used to determine the suspect period.

Similar vehicles not included in this recall were manufactured after the suspect period.

The total affected vehicles for this model is 54,856.

Production Dates : SEP 02, 2016 - JUN 20, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2018-2025 Alfa Romeo Stelvio

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2018-2025 MY Alfa Romeo Stelvio vehicles may have been built with a suspect connector on the buckle switch hall effect sensor.

The suspect period began on April 12, 2017, when the first vehicle with a suspect connector was produced, and ended on June 19, 2024, when vehicles were no longer built with the suspect connector. Supplier shipment and vehicle production records were used to determine the suspect period.

Similar vehicles not included in this recall were manufactured after the suspect period.

The total affected vehicles for this model is 62,163.

Production Dates : APR 12, 2017 - JUN 19, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 5 : 2019-2023 Jeep Renegade

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2019-2023 MY Jeep Renegade vehicles may have been built with a suspect connector on the buckle switch hall effect sensor.

The suspect period began on January 9, 2019, when the first vehicle with a suspect connector was produced, and ended on December 14, 2023, when vehicles were no longer built with the suspect connector. Supplier shipment and vehicle production records were used to determine the suspect period.

Similar vehicles not included in this recall were manufactured after the suspect period.

The total affected vehicles for this model is 209,004.

Production Dates : JAN 09, 2019 - DEC 14, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : A disrupted connector on the buckle switch hall effect sensor may affect the conduction on the connectors of the seat wiring and buckle which may cause the front passenger seat air bag to not perform as expected during a crash as well as potentially cause the driver's seat belt assembly to be noncompliant to FMVSS 208.7(3).

Federal Motor Vehicle Safety Standard ("FMVSS") No. 571.208 Occupant Crash Protection S7.3 requires a visible and audible warning when the ignition is moved to the on or start position and the drivers lap belt is not in use, or a visible warning when the ignition is moved to the on or start position, coupled with a continuous or intermittent audible signal when the drivers lap belt is not in use. Suspect vehicles may incorrectly activate the warning system indicating that the driver's seat belt is unlatched when it is latched.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An airbag which may not deploy as intended in the event of a vehicle crash may result in increased risk of injury to the front passenger in certain crashes.

Description of the Cause : NR

Identification of Any Warning that can Occur : Airbag light "on" / Seat Belt Reminder buzzer sound "on" even if the seatbelt is fastened.

Involved Components :

Component Name 1 : Connector - 2 Way

Component Description : Connector

Component Part Number : Molex: 98817-1025

Supplier Identification :**Component Manufacturer**

Name : ZF Group

Address : Strada del Portone 159
Grugliasco Foreign States 10095

Country : Italy

Chronology :

- On November 9, 2023, the European Reactivity process Acceleration for Customer Enthusiasm ("RACE") organization within the Stellantis Europe Customer Experience ("CX") department opened an investigation as a result of after sales reports related to customer complaints of the airbag light on.
- From November 2023, through June 2024, the Stellantis Europe CX organization reviewed supplier data, connector design and change history, and determined that affected vehicles may have been built with a suspect connector on the buckle hall effect sensor.
- On February 7, 2024, Stellantis Europe S.p.A CX organization opened a safety investigation related to the buckle switch hall effect sensor.
- As of June 26, 2024, Stellantis Europe S.p.A has identified 578 field reports in North America potentially related to this issue with dates of receipt ranging from November 9, 2023, to June 26, 2024.
- As of June 26, 2024 Stellantis Europe S.p.A is not aware of any accidents or injuries potentially related to this issue for all markets.
- On June 27, 2024, Stellantis Europe S.p.A determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall of the affected vehicles.
- On October 4, 2024, Stellantis Europe S.p.A determined, through the Vehicle Regulations Committee, to clarify the safety risk to the passenger side only and the noncompliance to the driver side only.

Description of Remedy :

Description of Remedy Program :	FCA US will conduct a voluntary safety recall to replace the connector by directly wiring the sensor to the harness with a solder tube.
	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 will be to replace the connector by directly wiring the sensor to the harness with a solder tube.
Identify How/When Recall Condition was Corrected in Production :	NR

Recall Schedule :

Description of Recall Schedule :	**07/03/2024: FCA US will notify dealers and begin notifying owners on or about 08/22/2024.
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Planned Dealer Notification Date : AUG 22, 2024 - AUG 22, 2024

Planned Owner Notification Date : AUG 22, 2024 - AUG 22, 2024

* NR - Not Reported