

Part 573 Safety Recall Report

24V-474

Manufacturer Name : Chrysler (FCA US, LLC)**Submission Date :** JUL 11, 2024**NHTSA Recall No. :** 24V-474**Manufacturer Recall No. :** 80B**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 : 11,650

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2014-2019 Fiat 500

Vehicle Type :

Body Style : 2-DOOR

Power Train : NR

Descriptive Information : Some 2014-2019 MY Fiat 500 vehicles equipped with specific tire/wheel combinations, may have been programmed with the tire pressure monitor system ("TPMS") sensor values that do not meet the minimum activation pressure requirements of Federal Motor Vehicle Safety Standard ("FMVSS") 138.

The suspect period began on July 27, 2013, when incorrect TPMS sensor values began to be programmed into certain vehicles, and ended on February 09, 2019, when correct TPMS sensor values were programmed into all vehicles. Vehicle production records were used to determine the suspect period.

Similar vehicles not included in the recall were built before or after the suspect period, were built with tire/wheel combinations that were not affected by incorrect TPMS sensor values or were programmed with correct TPMS sensor values.

Production Dates : JUL 27, 2013 - FEB 09, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Noncompliance :

Description of the Noncompliance : FMVSS 138 S4.2(a) requires vehicles to illuminate a low tire pressure warning telltale not more than 20 minutes after the inflation pressure in one or more of the vehicles tires, up to a total of four tires, is equal to or less than either the pressure 25 percent below the vehicle manufacturers recommended cold inflation pressure, or the pressure specified in the 3rd column of Table 1 of this standard for the corresponding type of tire, whichever is higher. Vehicles built with incorrectly programmed TPMS sensor values may not illuminate the warning telltale until the inflation pressure is one to two pounds per square inch (PSI) below the minimum activation pressure requirement. One configuration Placard calls out 38 PSI, thus the low tire pressure telltale should come on when the tire pressure drops to 28.5 PSI (25% drop in pressure) but may not actually come on until the pressure drops to the range of 28-27 PSI. The range of 28-27 PSI, while below the FMVSS 138 25% requirement, is still above the 20 PSI minimum activation pressure called out in Table 1.

FMVSS 1 : 138 - Tire pressure monitoring systems

FMVSS 2 : NR

Description of the Safety Risk : In affected vehicles, the TPMS system will not illuminate the warning light at the required tire pressure, which can result in slightly reduced load-carrying capacity of the tires. If the vehicle is loaded to the full capacity stated on the tire placard, the vehicle can become overloaded without warning, which can increase the risk of a vehicle crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Module, Tire Pressure Monitoring

Component Description : Module, Tire Pressure Monitoring

Component Part Number : 68070888AI, 68214826AA, 68214826AB

Supplier Identification :

Component Manufacturer

Name : Sensata Technologies

Address : 1960 Research Drive, Suite 100
Troy Michigan 48083

Country : United States

Chronology :

- On February 11, 2019, Toluca Assembly Plant (TAP) was notified that TPMS sensor values were potentially being programmed incorrectly during assembly. The potential issue was discovered on an FCA US LLC ("FCA US") Engineering test vehicle.
- On or about February 12, 2019, a review of plant production records indicated that one configuration Placard calls out 38 PSI, thus the low tire pressure telltale should come on when the tire pressure drops to 28.5 PSI (25% drop in pressure) but may not actually come on until the pressure drops to the range of 28-27 PSI. The range of 28-27 PSI, while below the FMVSS 138 25% requirement, is still above the 20 PSI minimum activation pressure called out in Table 1.
- On February 14, 2019, the FCA US Technical Safety and Regulatory Compliance ("TSRC") organization was notified of a potential issue related to incorrect TPMS sensor values.
- On or about February 28, 2019, FCA US Engineering completed a review of plant production records and identified all tire/wheel combinations with incorrect TPMS sensor values programmed into certain vehicles.
- On April 4, 2019, FCA US determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall on the affected vehicles.
- On May 3, 2019, FCA US petitioned the NHTSA pursuant to 49 CFR Part 556, for exemption from the notification and remedy requirements.
- On June 17, 2024, the petition denial was published in the Federal Register.

Description of Remedy :

Description of Remedy Program : FCA US will conduct a Voluntary Safety Recall on all affected vehicles to reprogram the TPMS electronic control unit module with the correct minimum activation tire pressure sensor values.

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 : This recall is not related to a part defect but rather involves a vehicle assembly plant process that incorrectly programmed TPMS values in the vehicle.

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

Recall Schedule :

Description of Recall Schedule : **06/25/2024: FCA US will notify dealers and begin notifying owners on or about 08/14/2024.

Planned Dealer Notification Date : AUG 14, 2024 - AUG 14, 2024

Planned Owner Notification Date : AUG 14, 2024 - AUG 14, 2024

* NR - Not Reported