

Part 573 Safety Recall Report

21E-101

Manufacturer Name : Robert Bosch, LLC

Submission Date : DEC 16, 2021

NHTSA Recall No. : 21E-101

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Robert Bosch, LLC

Address : 38000 Hills Tech Drive
Farmington Hills MI 48331

Company phone : 248-553-9000

Population :

Number of potentially involved : NR

Estimated percentage with defect : NR

Equipment Information :

Brand / Trade 1 : Robert Bosch

Model : Certain CP4 High Pressure Fuel Pumps

Part No. : N/A

Size : NR

Function : NR

Descriptive Information : Bosch is filing this report as a component manufacturer in accordance with 49 CFR 573.3(f) as a result of BMW Recall No. 21V-586 and FCA Recall No. 21V-880. In those recalls, BMW and FCA have identified certain of their vehicles that are equipped with diesel engines that incorporate a Bosch CP4 High Pressure Fuel Pump ("Bosch Diesel Fuel Pump"). Both BMW and FCA issued recalls for certain specific vehicle model applications, and BMW specifically noted to NHTSA that other BMW vehicles in the U.S. market that incorporate a Bosch Diesel Fuel Pump are not included in their Recall. Further, FCA's 573 report states that FCA is recalling the 6.7L Cummins engine, not the Bosch Diesel Fuel Pump itself and stated additional modifications were part of the remedy related to the recall. The Bosch Diesel Fuel Pump works within the vehicle fuel delivery system and each vehicle fuel delivery system varies by vehicle model application and the application has significant influence on the field performance of the Bosch Diesel Fuel Pump. Moreover, vehicle engine parameters, engine calibrations and other features influence the overall performance of the vehicle fuel delivery system and ultimately of the Bosch Diesel Fuel Pump. Further, as BMW noted in its 573 report, the operation of the Bosch Diesel Fuel Pump is also affected by external factors. In short, the Bosch Diesel Fuel Pump has no deviation in production and meets applicable requirements and specifications and was successfully tested and validated by Bosch for the applications. Therefore, because the recalls are application specific, Bosch is unable to identify any potentially affected products beyond the recall reports filed by BMW and FCA.

Production Dates : JUN 17, 2013 - NOV 13, 2020

Description of Defect :

Description of the Defect : Bosch is filing this report as a component manufacturer in accordance with the requirements of 49 CFR 573.3(f) because BMW and FCA issued recalls in which the Bosch Diesel Fuel Pump is involved. The Bosch Diesel Fuel Pump has no deviation in production and meets applicable requirements and specifications and was successfully tested and validated by Bosch for the applications. Therefore, because the recalls are application specific, Bosch is unable to identify any defect or non-compliance beyond the recall reports filed by BMW and FCA. Bosch's position regarding the alleged defect or non-compliance is supported by the recall papers filed by BMW and FCA. BMW issued Recall 21V-586 for certain specific vehicle model applications and noted to NHTSA that other BMW vehicles in the U.S. market incorporate a Bosch Diesel Fuel Pump are not included in the Recall. FCA stated that it would "replace the HPFP, update the Powertrain Control Module ('PCM') software, and inspect and, if necessary, replace additional fuel system components." The Bosch Diesel Fuel Pump works within the vehicle fuel delivery system, each vehicle fuel delivery system varies by vehicle model application, and the application has significant influence on the field performance of the Bosch Diesel Fuel Pump. The performance of the Bosch Diesel Fuel Pumps are impacted by a variety of factors such as layout of the fuel system, fuel quality, vehicle application, vehicle engine parameters and calibration, as well as external factors. Further, the Bosch Diesel Fuel Pump was tested and validated for use pursuant to customer specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Bosch refers to the recall reports filed by BMW and FCA because the Original Equipment Manufacturers ("OEMs) are in the best position to describe the operation of their vehicles if a field issue were to develop with the Bosch Diesel Fuel Pump. BMW and FCA noted in their 573 reports that, over time, and due to factors such as fuel quality and vehicle application, a reduction in pump lubrication could occur, which may lead to an increased wear of pump components. The OEMs noted if the functionality is affected, there is a potential that a warning lamp would be illuminated in the instrument cluster along with a reduction in pump performance, and that in rare cases, there is the possibility for the loss of motive power without prior warning.

Description of the Cause : NR

Identification of Any Warning that can Occur : According to 573 reports filed by BMW and FCA, vehicle occupants may notice a Malfunction Indicator Lamp illuminating, a fuel leak, abnormal engine noise, or a change in drive quality.

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

July 29, 2021: BMW of North America filed a report in accordance with 49 CFR 573.3(f), recalling certain BMW vehicles equipped with diesel engines that incorporate a high pressure fuel pump supplied by Bosch. In its report, BMW stated that, "Over time, and due to factors such as fuel quality, a reduction in pump lubrication could occur, which may lead to an increased wear of pump components." However, BMW also noted that other BMW vehicles in the U.S. market, which incorporate a Bosch Diesel Fuel Pump, are not included in the recall.

November 12, 2021: FCA issued a report in accordance with 49 CFR 573.3(f), recalling certain Dodge Ram pickup trucks equipped with a 6.7L diesel engine. FCA stated in its report, "As of October 27, 2021, FCA US is not aware of any accidents or injuries potentially related to this issue for all markets."

November 19, 2021: Bosch is submitting this report as a component manufacturer in accordance with the provisions of 49 CFR 573.3(f), not because the Bosch Diesel Fuel Pump as an individual component should be subject to a recall.

Description of Remedy :

Description of Remedy Program : The remedy program, if any, will be determined by each vehicle manufacturer that decides that a safety related defect exists in their U.S. vehicles.

How Remedy Component Differs from Recalled Component : N/A

Identify How/When Recall Condition was Corrected in Production : N/A

Recall Schedule :

Description of Recall Schedule : The recall schedule and notification to end user customers will be made by the vehicle manufacturers.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported