



U.S. Department of Transportation
National Highway Traffic Safety Administration

ODI RESUME

OFFICE OF DEFECTS INVESTIGATION



Investigation: PE22008
Prompted By: VOQ Review
Date Opened: 07/22/2022 **Date Closed:** 03/27/2024
Investigator: Daniel Pinero **Reviewer:** Bruce York-B
Approver: Tanya Topka
Subject: Transmission fault leading to loss of motive power

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Chrysler (FCA US, LLC) (Stellantis)
Products: 2017-2023 Chrysler Pacifica and Pacifica Hybrid
Population: 67,118

Problem Description: A transmission malfunction may lead to loss of motive power.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	EWR D&I	Other	Total	EWR Field Reports
All Incidents:	100	0	0	0	100	0
Crashes/Fires:	1	0	0	0	1	0
Injury Incidents:	0	0	0	0	0	0
Number of Injuries:	0	0	0	0	0	0
Fatality Incidents:	0	0	0	0	0	0
Number of Fatalities:	0	0	0	0	0	0

Description of Other:

ACTION/SUMMARY INFORMATION

Action: This Preliminary Evaluation (PE) is closed. A safety defect has been identified by the manufacturer and a remedy is available; see Recall 23V-010. NHTSA has opened Recall Query RQ24-004.

Summary:

On July 22, 2022, the Office of Defects Investigation (ODI) opened PE22008 to investigate allegation of loss of motive power, potentially due to transmission malfunction, in certain Chrysler Pacifica vehicles. In a January 17, 2023 letter to NHTSA, Fiat Chrysler Automobiles (FCA) submitted recall notice 23V-010 involving a transmission motor wiring defect in 67,118 model year (MY) 2017-2023 Chrysler Pacifica plug-in hybrid electric vehicles (PHEVs) manufactured from August 12, 2016 through January 9, 2023. FCA determined that an internal transmission connector short could result in an unexpected engine shutdown under certain conditions. Follow up correspondence with FCA confirmed this defect results in an electric motor position

trouble code that was the basis for opening PE22008, therefore NHTSA is closing this investigation.

The 23V-010 recall remedy is a software update to address the hardware failure associated with PE22008. When a hardware failure is detected, the vehicle limits motive power while instructing the driver to pull over to a safe location. NHTSA is concerned that drivers will pull over to an unsafe location when the warning message associated with the recall remedy displays on the dashboard. Due to the nature of the recall remedy and related reports, NHTSA has opened Recall Query RQ24004 to assess the recall remedy. The reports and failure report summary values included with this closing action are related to allegations of Recall 23V-010 remedy inadequacy.

The Agency reserves the right to take additional action if warranted by future circumstances. To review the ODI reports cited in the Closing Resume ODI Report Identification Number document, go to [NHTSA.gov](https://www.nhtsa.gov).