



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 22-009
Date Opened: 07/22/2022
Investigator: Taylor Collins **Reviewer:** Bruce York-B
Approver: Stephen Ridella
Subject: Electronic Parking Brake Water Ingress

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Chrysler (FCA US, LLC)
Products: 2014-2020 Jeep Cherokee
Population: 1,341,055 (Estimated)
Problem Description: Water leaks into the subject vehicles causing the Electronic Parking Brake to inadvertently activate and stop the vehicle while in motion.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	80	TBD	TBD
Crashes/Fires:	0	TBD	TBD
Injury Incidents:	0	TBD	TBD
Number of Injuries:	0	TBD	TBD
Fatality Incidents:	0	TBD	TBD
Number of Fatalities:	0	TBD	TBD

ACTION / SUMMARY INFORMATION

Action: Open a Preliminary Evaluation.

Summary:

The Office of Defects Investigation (ODI) has received 80 complaints for model year 2014-2020 Jeep Cherokees alleging the Electronic Parking Brake (EPB) inadvertently activates while the vehicle is in motion. Based on related repair invoices, it appears the EPB module is damaged by water leaking into the vehicle. When the EPB inadvertently activates, it causes a stalling condition bringing the vehicle to a stop. ODI is aware of recall 15V-393 that addresses water ingress affecting the power liftgate module on the same population of vehicles subject of this investigation. The liftgate module can potentially catch fire as a result of the water damage. Both the liftgate and EPB modules are located in a similar area of the vehicle.

On May 11, 2016, the manufacturer released a Technical Service Bulletin (ODI #10191415, FCA #08-060-16) that instructs dealers on replacing the EPB module and inspecting the electrical connector for corrosion if a customer describes having the EPB not releasing.

A Preliminary Evaluation has been opened to assess the scope, frequency and safety-related consequences of the alleged defect.

The ODI reports cited above can be reviewed at:

<http://www-odi.nhtsa.dot.gov/owners/SearchNHTSAID>

using the following complaint identification numbers:

11448801, 11446148, 11445400, 11444080, 11443528, 11439174, 11439208, 11439229, 11439267, 11438649, 11438001, 11438120, 11437074, 11436090, 11435189, 11434815, 11433859, 11432655, 11432075, 11431132, 11431135, 11429187, 11427707, 11421394, 11421249, 11416008, 11415959, 11414140, 11412768, 11400036, 11399686, 11398607, 11398494, 11388579, 11387535, 11374289, 11374018, 11365916, 11360125, 11354151,

11352023, 11339026, 11328321, 11325745, 11325403, 11324574, 11322551, 11317705, 11309091, 11307517,
11303025, 11288991, 11288789, 11287866, 11286836, 11281773, 11281032, 11281172, 11280560, 11280016,
11279854, 11270367, 11266933, 11258718, 11257558, 11255522, 11254537, 11252340, 11232697, 11232816,
11221165, 11218022, 11209589, 11196920, 11185689, 11164482, 11162464, 11161733, 11128058, 11124035