



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

OFFICE OF DEFECTS INVESTIGATION

ODI RESUME

Investigation: DP26009
Prompted By: Defect Petition
Date Opened: 09/14/2026
Date: 10/26/2026
Closed:
Investigator: Roy Nelson
Reviewer: Gregory Magno
Approver: Tanya Topka
Subject: Driveshaft to rear differential connection failure

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: BMW of North America, LLC
Products: 2022 BMW 540i
Population: 27,720

Problem Description: Excessive wear and failure of the driveshaft to rear differential connection causes a loss of powertrain engagement to the rear wheels.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	EWR D&I	Other	Total	EWR Field Reports
All Incidents:	3	0	0	3	6	0
Crashes/Fires:	0	0	0	0	0	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:
BMW models subject to Recall 26V525 but outside the scope of the petition

ACTION/SUMMARY INFORMATION

Action: Petition has been addressed by Recall 26V525; close this Defect Petition.

Summary:

The Office of Defects Investigation (ODI) received a petition on September 1, 2026 (dated August 5, 2026), requesting an investigation into an alleged defect in BMW rear differential assemblies. The petitioner alleges Model Year (MY) 2022 BMW 540i vehicles are experiencing a sudden mechanical failure that severs the drive connection between the driveshaft and the rear wheels.

On August 12, 2026, BMW filed Safety Recall 26V525, which addresses the same condition raised in the petition. and covers certain 2022-2026 840i, 840i xDrive, 2021-2023 540i, 540i xDrive, M550i xDrive, and 2024-2026 750e xDrive vehicles. This safety recall addresses potential wear in the connection between the rear driveshaft and rear differential, which could cause the connection to fail. The Vehicle Identification Number included in the petition falls within BMW's recall scope and subject to BMW's reimbursement program.

Because Safety Recall 26V525 fully addresses the concerns raised in the petition, further investigation is unnecessary. Therefore, ODI is denying this Defect Petition and closing this action. The agency will continue to monitor the remedy and reserves the right to take any 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).