



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 20-014
Date Opened: 09/21/2020
Investigator: Kareem Habib
Approver: Stephen Ridella
Subject: Rear Wheel Speed Sensor Failure
Reviewer: Jeff Quandt

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Daimler Vans USA, LLC
Products: MY2011-2018 Mercedes-Benz Sprinter 2500/3500
Population: 159,748 (Estimated)
Problem Description: Moisture intrusion in the rear wheel speed sensors (RWSS) may cause one or both axle sensors to fail, illuminating brake system warning lamps. Other symptoms may include allegations of unintended acceleration, erratic transmission shifting and limp-home mode operation.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	44	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: A Preliminary Evaluation has been opened.

Summary:

The Office of Defects Investigation (ODI) has received forty-four (44) complaints (VOQs) from owners of 2011 through 2018 Mercedes-Benz Sprinter vehicles alleging incidents of RWSS failure. Complaints allege multiple symptoms, including large fluctuations in engine speed, erratic transmission shifting, limp-home mode operation and illumination of brake system warning lamps, including the anti-lock brake system (ABS) and the electronic stability program (ESP). The majority of VOQs involve Sprinter vans that have been converted to recreational vehicles (RVs), which comprise approximately one-third of the subject vehicle population. At least eleven (11) complaints indicated experiencing multiple RWSS sensor replacements. ODI is opening a Preliminary Evaluation to assess the scope, frequency, and safety-related consequences of the alleged defect.

The VOQs associated with the opening of this investigation are: 11352380 11350521 11350382 11348969 11342776 11342464 11341988 11341151 11340388 11338230 11337921 11331832 11331829 11331476 11331427 11331066 11328671 11325768 11325693 11322814 11322346 11320295 11319376 11317336 11311647 11310621 11308318 11254223 11253828 11252220 11232524 11232230 11196530 11194330 11164250 11145019 11141273 11139000 11138785 11124129 11094122 11278213 11187145 11351299