



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

# ODI RESUME

**Investigation:** DP 22-005  
**Prompted by:** RECEIVED DEFECT PETITION  
**Date Opened:** 01/27/2023  
**Investigator:** Daniel Pinero **Reviewer:** Bruce York-B  
**Approver:** Stephen Ridella  
**Subject:** Pedestrian alert sounds

## MANUFACTURER & PRODUCT INFORMATION

**Manufacturer:** Nissan North America, Inc., Volkswagen Group of America, Inc., Jaguar Cars, Ltd., Mazda Motor Corp., Hyundai Motor America, Bentley Motors, Inc., Polestar Automotive USA, Inc., General Motors, LLC, THINK NORTH AMERICA, INC., Mitsubishi Motors North America, Inc., Chrysler (FCA US, LLC), Ford Motor Company, BMW of North America, LLC, CODA Automotive, Kia America, Inc., Honda (American Honda Motor Co.), Porsche Cars North America, Inc., Volvo Car USA, LLC, Land Rover, Chrysler Group Global Electric Motorcars, Tesla, Inc., Toyota Motor Corporation, Polaris Inc., Mercedes-Benz USA, LLC, Ferrari North America, Inc., Rivian Automotive, LLC, Subaru of America, Inc.

**Products:** All hybrid and electric vehicles made prior to March 2021

**Population:** 9,100,000 (Estimated)

**Problem Description:** Certain vehicles manufactured prior to March 2021 are not required to meet the FMVSS 141 standard establishing performance requirements for pedestrian alert sounds.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
<b>Complaints:</b>	0	TBD	TBD
<b>Crashes/Fires:</b>	0	TBD	TBD
<b>Injury Incidents:</b>	0	TBD	TBD
<b>Number of Injuries:</b>	0	TBD	TBD
<b>Fatality Incidents:</b>	0	TBD	TBD
<b>Number of Fatalities:</b>	0	TBD	TBD
<b>Other*:</b>	1	TBD	1

\*Description of Other: Defect Petition

## ACTION / SUMMARY INFORMATION

**Action:** Open this defect petition for a grant or deny decision.

### Summary:

NHTSA received a petition on or about July 18, 2022, requesting that Federal Motor Vehicle Safety Standard (FMVSS) 141 be applied to all electric and hybrid vehicles operating in the United States. The petition can be reviewed at [NHTSA.gov](https://www.nhtsa.gov) under ODI number 11486072.

FMVSS 141 establishes performance requirements for pedestrian alert sounds for motor vehicles. The standard applies to hybrid and electric vehicles that have a gross vehicle weight rating of 4,536 KG or less or are defined as low-speed vehicles. The standard became fully applicable to all such vehicles manufactured on or after March 1, 2021.

The petitioner asserts that hybrid and electric vehicles to which the standard does not apply should be found to contain a safety defect. In support of the petition, the petitioner includes findings contained in a bill introduced in the House of Representatives in 2009, the Pedestrian Safety Enhancement Act of 2009, H.R. 734, 111th CONG. (2009).

A related bill, the Pedestrian Safety Enhancement Act of 2010, became law in January 2011 (Pub. L. 111-373). The petitioner requests that NHTSA require all electric and hybrid vehicles comply with FMVSS 141, regardless of production date.

The defect petition has been opened to evaluate the issue and determine whether to grant or deny the petition.

The associated product list is not exhaustive and may contain vehicles that are equipped with pedestrian alert sounds.