

Part 573 Safety Recall Report

23V-249

Manufacturer Name : Nikola Corporation

Submission Date : APR 13, 2023

NHTSA Recall No. : 23V-249

Manufacturer Recall No. : 23VDC0301



Manufacturer Information :

Manufacturer Name : Nikola Corporation

Address : 4141 E. Broadway Dr.

Phoenix AZ 85040

Company phone : 630-808-4531

Population :

Number of potentially involved : 364

Estimated percentage with defect : 2 %

Vehicle Information :

Vehicle 1 : 2022-2024 Nikola TRE BEV

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : All Nikola TRE BEV vehicles made since November 2021 are equipped with the Bendix Intellipark Towing Park Brake Module (PVM).

Production Dates : NOV 05, 2021 - APR 05, 2023

VIN Range 1 : Begin : 1N9ABB1A6N2393001 End : 1N9ABB1A5N2393040

☐ Not sequential

VIN Range 2 : Begin : 1N9APB1A4N2393001 End : 1N9APB1A2N2393188

☐ Not sequential

VIN Range 3 : Begin : 1N9APB1A0P2393189 End : 1N9APB1AXP2393264

☐ Not sequential

VIN Range 4 : Begin : 1N9APB1A8R2393265 End : 1N9APB1A9R2393324

☐ Not sequential

Description of Defect :

Description of the Defect : The Bendix Intellipark Tractor Park Valve Module (PVM) may intermittently become stuck in the un-parked position and may not transition from un-parked to parked when the Park Switch is pulled on the vehicle dash board. Bendix informed Nikola that they issued an equipment recall (23E-015) for this issue.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An Intellipark PVM that intermittently becomes stuck in the un-parked position does not allow the vehicle spring brakes to exhaust when the driver pulls the Park Switch. The vehicle must be parked by depleting air storage by fanning-down the air brake system with the service brake pedal. If a driver does detect the Intellipark PVM malfunction indications and does not properly fan down the brakes, the vehicle may unintentionally move which increases the likelihood of a crash.

Description of the Cause : Mechanical components in the PVM that are at the upper limit of the design

**Identification of Any Warning
that can Occur :**

specification and other tolerance stack-ups allow for excessive internal air leakage. The internal leakage does not allow pressure to build properly when the pilot solenoid is activated.

Park Indication LEDs on the park switch remain off after the Park Switch is pulled indicating that the spring brake system has not exhausted and the vehicle is not parked. Audible exhaust sounds that typically are heard as an airbraked vehicle is parked will not be heard indicating that the vehicle has not parked.

Involved Components :

Component Name 1 : Bendix Intellipark PVM

Component Description : Towing Park Brake Module

Component Part Number : K206667R000

Supplier Identification :**Component Manufacturer**

Name : Bendix Commercial Vehicle Systems

Address : 35500 Chester Rd

Avon Ohio 44011

Country : United States

Chronology :

3/16/23 Nikola Vehicle Defect Technical Team (VDTT) was informed that Bendix issued a recall (23E-015) for the Intellipark PVM used in Nikola vehicles. Nikola VDTT launched an investigation with the engineering team.

3/17/23–3/28/23 Nikola worked with Bendix to determine design, cause, and possible corrective actions. Vehicle population determined.

3/28/23 After investigation, Nikola Vehicle Defect Technical Team voted to recommend issue to Nikola Vehicle Defects Committee.

4/06/23 Nikola Vehicle Defect Committee determined that a safety-related defect exists and to issue a voluntary recall.

Description of Remedy :

Description of Remedy Program : All vehicle owners will be notified and dealers will replace PVM with corrected part at no charge.
All vehicles are under warranty and no section 577.11 notification is necessary.

How Remedy Component Differs from Recalled Component : Remedy components will have a new part number.

Identify How/When Recall Condition was Corrected in Production : Production is halted until new corrected parts are available from Bendix.

Recall Schedule :

Description of Recall Schedule : Notifications will be sent within 60 days.

Planned Dealer Notification Date : MAY 01, 2023 - MAY 31, 2023

Planned Owner Notification Date : MAY 01, 2023 - MAY 31, 2023

* NR - Not Reported