

# Part 573 Safety Recall Report

# 21V-187

**Manufacturer Name :** ARBOC Specialty Vehicles, LLC

**Submission Date :** MAR 16, 2022

**NHTSA Recall No. :** 21V-187

**Manufacturer Recall No. :** NR



## Manufacturer Information :

**Manufacturer Name :** ARBOC Specialty Vehicles, LLC

**Address :** 51165 Greenfield Parkway

Middlebury IN 46540

**Company phone :** 574-825-1720

## Population :

**Number of potentially involved :** 41

**Estimated percentage with defect :** 100 %

## Vehicle Information :



Vehicle 1 : 2018-2021 ARBOC Specialty Vehicles Spirit of Equest  
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES  
Body Style : OTHER  
Power Train : GAS

Descriptive Information : ARBOC received notification from Cummins, Inc. on 2-25-21 that certain serial numbers of engines B6.7N were affected by their Recall 21E-014. ARBOC went into each SOE component list to match up bus engine serial numbers to Cummins list to determine which buses were affected and their locations. 47 Cummins engines are affected. ARBOC has 6 unused engines in stock.

Production Dates : APR 02, 2018 - MAR 18, 2020

VIN Range 1 : Begin :	1A9D01147K6925274	End :	1A9D01147K6925274	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin :	1A9D01141K6925111	End :	1A9D01141K6925111	<input checked="" type="checkbox"/> Not sequential
VIN Range 3 : Begin :	1A9D0114XK6925110	End :	1A9D0114XK6925110	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin :	1A9D01147K6925257	End :	1A9D01147K6925257	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin :	1A9D01143K6925112	End :	1A9D01143K6925112	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin :	1A9D01145K6925256	End :	1A9D01145K6925256	<input type="checkbox"/> Not sequential
VIN Range 7 : Begin :	1A9D01143K6925286	End :	1A9D01143K6925286	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin :	1A9D01141K6925285	End :	1A9D01141K6925285	<input type="checkbox"/> Not sequential
VIN Range 9 : Begin :	1A9D0114XK6925284	End :	1A9D0114XK6925284	<input type="checkbox"/> Not sequential
VIN Range 10 : Begin :	1A9D01149K6925258	End :	1A9D01149K6925258	<input type="checkbox"/> Not sequential
VIN Range 11 : Begin :	1A9D01147K6925288	End :	1A9D01147K6925288	<input type="checkbox"/> Not sequential
VIN Range 12 : Begin :	1A9D01145K6925287	End :	1A9D01145K6925287	<input type="checkbox"/> Not sequential
VIN Range 13 : Begin :	1A9D01140K6925293	End :	1A9D01140K6925293	<input type="checkbox"/> Not sequential
VIN Range 14 : Begin :	1A9D01149K6925289	End :	1A9D01149K6925289	<input type="checkbox"/> Not sequential
VIN Range 15 : Begin :	1A9D01147K6925291	End :	1A9D01147K6925291	<input type="checkbox"/> Not sequential
VIN Range 16 : Begin :	1A9D01145K6925290	End :	1A9D01145K6925290	<input type="checkbox"/> Not sequential
VIN Range 17 : Begin :	1A9D01149K6925292	End :	1A9D01149K6925292	<input type="checkbox"/> Not sequential
VIN Range 18 : Begin :	1A9D01142K6925294	End :	1A9D01142K6925294	<input type="checkbox"/> Not sequential
VIN Range 19 : Begin :	1A9D01146K6925296	End :	1A9D01146K6925296	<input type="checkbox"/> Not sequential
VIN Range 20 : Begin :	1A9D01144K6925295	End :	1A9D01144K6925295	<input type="checkbox"/> Not sequential
VIN Range 21 : Begin :	1A9D01146J6925541	End :	1A9D01146J6925541	<input type="checkbox"/> Not sequential
VIN Range 22 : Begin :	1A9D0114XL6925139	End :	1A9D0114XL6925139	<input type="checkbox"/> Not sequential
VIN Range 23 : Begin :	1A9D01148L6925138	End :	1A9D01148L6925138	<input type="checkbox"/> Not sequential
VIN Range 24 : Begin :	1A9D01146L6925140	End :	1A9D01146L6925140	<input type="checkbox"/> Not sequential
VIN Range 25 : Begin :	1A9D01123K6925075	End :	1A9D01123K6925075	<input type="checkbox"/> Not sequential
VIN Range 26 : Begin :	1A9D01143L6925211	End :	1A9D01143L6925211	<input type="checkbox"/> Not sequential
VIN Range 27 : Begin :	1A9D01147L6925213	End :	1A9D01147L6925213	<input type="checkbox"/> Not sequential
VIN Range 28 : Begin :	1A9D01145L6925212	End :	1A9D01145L6925212	<input type="checkbox"/> Not sequential
VIN Range 29 : Begin :	1A9D01141L6925210	End :	1A9D01141L6925210	<input type="checkbox"/> Not sequential
VIN Range 30 : Begin :	1A9D01145L6925209	End :	1A9D01145L6925209	<input type="checkbox"/> Not sequential
VIN Range 31 : Begin :	1A9D01149L6925214	End :	1A9D01149L6925214	<input type="checkbox"/> Not sequential
VIN Range 32 : Begin :	1A9D01144L6925234	End :	1A9D01144L6925234	<input type="checkbox"/> Not sequential
VIN Range 33 : Begin :	1A9D01140L6925215	End :	1A9D01140L6925215	<input type="checkbox"/> Not sequential
VIN Range 34 : Begin :	1A9D01142L6925216	End :	1A9D01142L6925216	<input type="checkbox"/> Not sequential
VIN Range 35 : Begin :	1A9D01142L6925233	End :	1A9D01142L6925233	<input type="checkbox"/> Not sequential
VIN Range 36 : Begin :	1A9D01143L6925113	End :	1A9D01143L6925113	<input type="checkbox"/> Not sequential

**Description of Defect :**

Description of the Defect : Per Cummins, Inc. Recall 21E014, To perform their function, certain electronic controllers on the vehicle may send datalink TSC1 messages requesting the engine to limit engine speed or torque. These electronic controllers, if the vehicle is so equipped, may perform safety-related functions, such as vehicle braking control, vehicle traction control, vehicle stability control, vehicle speed control, or vehicle collision avoidance or other functions. Due to a software calibration error in the subject calibration options, the subject engines may not limit engine speed or torque when such a device requests the limit via J1939 datalink TSC1 messages.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Per Cummins, Inc. Recall 21E014, Diminished performance of safety-related functions of certain electronic controllers of the vehicle may increase the risk of a crash.

Description of the Cause : Per Cummins, Inc. Recall 21E014, The cause is a calibration error.

Identification of Any Warning that can Occur : Per Cummins, Inc. Recall 21E014, None

**Involved Components :**

Component Name 1 : Application Control Data

Component Description : Engine Control Module software calibration data

Component Part Number : 5670637

**Supplier Identification :****Component Manufacturer**

Name : Cummins, Inc.

Address : Box 3005 Mail Code 41303  
Columbus Indiana 47202-3005

Country : United States

**Chronology :**

Per Cummins, Inc. Recall 21E014, December 10, 2020 – An OEM reported to Cummins Westport that an engine

was not properly responding to a J1939 TSC1 message during testing with adaptive cruise control at the OEM. December 11-16, 2020 – Cummins Westport investigated and confirmed the report. December 11, 2020 – January 27, 2021 – Cummins Westport determined root cause and developed and released a calibration to correct the issue. January 22 – February 9, 2021 – Cummins Westport and Cummins evaluated the potential safety implications of the issue and reviewed the issue with the Cummins Product Safety Defect Board. February 10, 2021 – The Cummins Westport Board of Directors decided to conduct a safety campaign. To date, there have been no reports of accidents or injuries due to this condition.

## Description of Remedy :

Description of Remedy Program : Per Cummins, Inc. Recall 21E014, Cummins Westport and Cummins will conduct a safety campaign to recalibrate the Engine Control Module with a corrected calibration. Pursuant to 49 CFR 577.11(e), Cummins Westport requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to 573.13.

Cummins will be handling all repairs and quarterly reporting for this recall.

How Remedy Component Differs from Recalled Component : Per Cummins, Inc. Recall 21E014, The corrected calibration will have a new version number.

Cummins will be handling all repairs and quarterly reporting for this recall.

Identify How/When Recall Condition was Corrected in Production : Per Cummins, Inc. Recall 21E014, A corrected calibration was released for production on January 27, 2021 and for service on January 16, 2021. From the ARBOC side, Cummins is to come in and reprogram the remaining unused engines.

Cummins will be handling all repairs and quarterly reporting for this recall.

## Recall Schedule :

Description of Recall Schedule : This is a NON-REPORTING Recall.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported