



---

**Nissan North America, Inc.**

One Nissan Way  
Franklin, TN 37067

Mailing Address:  
PO Box 685001  
Franklin, TN 37068

September 19, 2024

Ms. Eileen Sullivan  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
Attn: Recall Management Division (NVS-215)  
Room W48-302  
1200 New Jersey Avenue, SE  
Washington, D.C. 20590

Dear Ms. Sullivan:

We are transmitting the enclosed Defect Information Report in accordance with 49 CFR Part 573. A voluntary recall campaign will be initiated and your office provided with the notices.

Very truly,

A handwritten signature in black ink, appearing to read "Will Swindell".

Will Swindell  
Manager,  
Technical Compliance

Encl.

## DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc, Smyrna Plant

2. Vehicles Potentially Involved:

Certain Model Year 2019-2020 Nissan LEAF vehicles equipped with the quick charge port (for Level 3 charging via CHAdeMO connector) and manufactured from August 29, 2018 to November 3, 2020 at the Nissan Smyrna plant.

Based on Nissan production records, this issue (as described in Section 5 below) can affect certain Model Year 2019 - 2020 LEAF vehicles during Level 3 quick charging.

There is no evidence other Nissan or INFINITI vehicles are affected.

The name, description and part number of the subject components are below:

<u>Part Name</u>	<u>Part Description</u>	<u>Part Number</u>
BAT ASSY-MAIN B	Battery - 60kWh	295B0 5SA1C
BAT ASSY-MAIN B	Battery - 60kWh	295B0 5SF0A
BAT ASSY-MAIN B	Battery - 40kWh	295B0 5SA0C

The name and address of the Li-ion Battery supplier is:

Automotive Energy Supply Corporation (AESC)  
500 Battery Plant Road  
Smyrna, TN 37167

Ben Wilson (Quality Director)  
Phone: +1 (615) 574-1588  
Email: ben.wilson@aesc-group.com

3. Total Number of Vehicles Potentially Involved:

Approximately 23,887 affected MY 2019-2020 Nissan LEAF vehicles total.

<b><u>Model Year / Model</u></b>	<b><u>Number of Vehicles</u></b>
MY 2019 Nissan LEAF	14,940
MY 2020 Nissan LEAF	8,947

4. Percentage of Vehicles Estimated to Actually Contain the Defect:

1%

5. Description of the Defect:

Nissan is continuing to investigate this issue. Preliminarily, Nissan has determined the lithium-ion battery in affected vehicles may experience excessive lithium deposits within battery cells, increasing the electrical resistance and potentially causing a fluctuation in the state of charge. While the vehicle is Level 3 quick charging, the increased electrical resistance could result in rapid heating of the battery. If quick charging continues, a battery fire may occur increasing the risk of injury.

6. Chronology of Principal Events:

Chronology will be supplemented.

7. Description of Corrective Action:

Dealers will be notified of the recall beginning September 20, 2024. Beginning on October 4, 2024, Nissan will issue an Interim Owner Letter instructing customers not to use Level 3 quick charging until the remedy is completed. Nissan is developing a software reprogram to prevent progression to thermal incident. The remedy is currently expected to be available in November 2024.

The remedy, once available, will be performed free of charge.

Nissan will not include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy since the subject vehicles are under warranty.

8. Copy of Notices:

Copies of all notices will be provided to NHTSA as they become available.