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**Nissan North America, Inc.**

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March 30, 2023

Ms. Anne Collins  
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. Collins:

We are transmitting the enclosed amendment to the enclosed Non-Compliance Information Report filed on February 02, 2023. This amendment updates sections 2, 3, 6 and 7: Vehicles Potentially Involved, Total Number of Vehicles Potentially Involved, Basis for Determination of the Existence of a Noncompliance, and Description of Corrective Action, respectively.

Very truly,

Will Swindell  
Manager,  
Technical Compliance

Encl.

## **NONCOMPLIANCE INFORMATION REPORT**

1. Manufacturer:

Nissan North America, Inc., Smyrna plant

2. Vehicles Potentially Involved:

The production period of affected vehicles involved is shown in the table below.

<b><u>Model</u></b>	<b><u>Dates of Manufacture</u></b>
MY 2018 – 2023 Nissan LEAF	September 29, 2017 through January 27, 2023
MY 2013 – 2017 Nissan LEAF	November 19, 2012 through July 12, 2017

The noncompliance (as described in Section 5 below) is specific to Nissan LEAF vehicles listed above. The issue present on these vehicles is related to the defroster operating instructions in the owner's manual and their effect on the Positive Temperature Coefficient (PTC) heater under certain conditions. The Nissan LEAF is the only model equipped with a PTC heater as the primary heating device.

Model Year 2011-2012 Nissan LEAF vehicles are equipped with a different PTC heater design that is not affected by the subject condition and therefore excluded from the recall population.

The name, description and part number of the subject component is below:

<b><u>Applicable Model</u></b>	<b><u>Part Name</u></b>	<b><u>Part Number</u></b>
MY 2013 LEAF	Owner's Manual Kit - USA	13ZE0 UKT00
MY 2013 LEAF	Owner's Manual Kit - USA w/ NAVI	13ZE0 UKT0N
MY 2014 LEAF	Owner's Manual Kit - USA	14ZE0 UKT00
MY 2014 LEAF	Owner's Manual Kit - USA w/ NAVI	14ZE0 UKT0N
MY 2015 LEAF	Owner's Manual Kit - USA	15ZE0 UKT00
MY 2105 LEAF	Owner's Manual Kit - USA w/ NAVI	15ZE0 UKT0N
MY2016 LEAF	Owner's Manual Kit - USA	16ZE0 UKT00
MY2016 LEAF	Owner's Manual Kit - USA	16ZE0 UKT10
MY 2016 LEAF	Owner's Manual Kit - USA w/ NAVI	16ZE0 UKT0N
MY 2016 LEAF	Owner's Manual Kit - USA w/ NAVI	16ZE0 UKT1N
MY 2017 LEAF	Owner's Manual Kit - USA	17ZE0 UKT00
MY 2017 LEAF	Owner's Manual Kit - USA w/ NAVI	17ZE0 UKT0N
MY 2018 LEAF	Owner's Manual Kit - USA	18ZE1 UKT00
MY 2018 LEAF	Owner's Manual Kit - USA w/ NAVI	18ZE1 UKT0N
MY 2019 LEAF	Owner's Manual Kit - USA	19ZE1 UKT00
MY 2019 LEAF	Owner's Manual Kit - USA w/ NAVI	19ZE1 UKT0N

MY 2020 LEAF	Owner's Manual Kit - USA	20ZE1 UKT00
MY 2020 LEAF	Owner's Manual Kit - USA	20ZE1 UKT10
MY 2021 LEAF	Owner's Manual Kit - USA	21ZE1 UKT00
MY 2022 LEAF	Owner's Manual Kit - USA	22ZE1 UKT00
MY 2023 LEAF	Owner's Manual Kit - USA	23ZE1 UKT00
MY 2023 LEAF	Owner's Manual Kit - USA	23ZE1 UKT10

The owner's manual is a Nissan publication.

3. Total Number of Vehicles Potentially Involved:

Approximately 159,075 Nissan LEAF vehicles may be affected as shown in the table below:

<b><u>Model Year / Model</u></b>	<b><u>Number of Vehicles</u></b>
MY 2018 – MY 2023 Nissan LEAF	64,732
MY 2013 – MY2017 Nissan LEAF	94,343

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

100%

5. Description of the Noncompliance:

Following the Owner's Manual instructions for defroster operation may result in reduced defroster performance under specific conditions. More specifically, in very cold temperatures (below 14° F/-10° C), maximum fan speed can result in the Positive Temperature Coefficient ("PTC") heater entering failsafe mode for undercurrent protection, which can limit defroster output.

This reduced defroster performance can limit visibility out of the windshield, which does not meet the requirements of S4.3 of Federal Motor Vehicle Safety Standard (FMVSS) No. 103; Windshield defrosting and defogging systems. The potential for loss of forward visibility may lead to the increased risk of a crash or injury to the vehicle occupants.

6. Basis for Determination of the Existence of a Noncompliance:

December 22, 2022 - Nissan received preliminary information related to the defroster operation on a MY 2023 Nissan LEAF vehicle during NHTSA compliance testing. More specifically, in the course of conducting an FMVSS 103 test procedure, the "critical area" of the windshield was not properly cleared in the allotted time.

January 12, 2023 - Nissan met with NHTSA via teleconference to share internal testing data and analysis. Nissan requested a re-test under modified instructions for testing warm-up.

January 26, 2023 - OVSC rejected Nissan's request for re-testing.

February 1, 2023 - Nissan made a noncompliance determination for MY 2018-2023 Nissan LEAF and decided to conduct a Safety Recall. Nissan's investigation of MY 2013-2017 vehicles was continuing.

March 2023 - Nissan and the supplier conducted additional testing of MY 2013-2017 LEAF vehicles. Nissan was unable to recreate the subject condition in these models. However, supplier historical data cannot rule out the possibility that the subject condition may occur.

March 23, 2023 - Out of an abundance of caution, Nissan decided to expand the previously decided recall population to include MY 2013-2017 Nissan LEAF vehicles.

Nissan is not aware of any accident or injuries related to the subject condition.

7. Description of Corrective Action:

Nissan will notify owners of affected Model Year 2018 to Model Year 2023 LEAF vehicles by April 1, 2023 and Model Year 2013 to Model Year 2017 LEAF vehicles by May 26, 2023. Dealers were notified on February 7, 2023, and will be notified of the expanded population on March 31, 2023. Nissan will provide an Owner's Manual addendum with updated instructions on how to operate the defroster under the subject conditions. There will be no charge to customers for the addendum card.

Nissan will include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy for a subject vehicle that is no longer under warranty at the time of repair.

8. Copy of Notices:

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