



May 4, 2017

Mr. Jeff Giuseppe
Acting 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 Mr. Giuseppe:

We are transmitting the amended Defect Information Report (DIR) in accordance with 49 CFR Part 573. This report updates the DIR submitted on April 28, 2017. The model years and manufacturing ranges for Sentra vehicles have been modified to reflect the correct population of affected vehicles. The overall population remains unchanged, however. Nissan notified dealers on April 27, 2017 and will notify all affected owners on June 11, 2017 to bring their vehicle into a Nissan dealer.

Very truly,

Derek Latta

A handwritten signature in black ink, appearing to read 'Derek Latta', with a long horizontal flourish extending to the right.

Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc., Smyrna plant
Nissan Mexicana, S.A, De C.V., Aguascalientes plant

2. Vehicles Potentially Involved:

Certain Nissan LEAF and Sentra vehicles listed in the table below.

<u>Make/Model</u>	<u>Dates of Manufacture</u>
MY 2015-2017 Nissan LEAF	September 20, 2014 to December 13, 2016
MY 2014 Nissan Sentra	September 25, 2014 to November 1, 2014
MY 2016-2017 Nissan Sentra	January 11, 2016 to September 22, 2016

The issue is unique to the subject vehicles that have been equipped with Daicel passenger air bag inflators produced during a specific time period.

The name and address of the inflator supplier is:

Daicel Safety Systems America, LLC
720 Old Liberty Church Rd
Beaver Dam, KY 42320

Michael J. Gross
(270) 274-2600
mj_gross@dssa.daicel.com

3. Total Number of Vehicles Potentially Involved:

Approximately 25,283 vehicles are affected.

<u>Make/Model</u>	<u>Vehicles Affected</u>
MY 2015-2017 Nissan LEAF	1,921
MY 2014 Nissan Sentra	5,662
MY 2016-2017 Nissan Sentra	17,700

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

Unknown

5. Description of the Defect:

Due to air bag inflator components manufactured by a tier 5 supplier with atypical conditions that have since been corrected, certain front passenger air bags may not perform as designed. More specifically, the coolant within these inflators may have been affected by two potential conditions. First, rust may have formed on the rod as a result of long-term storage. Second, the rod may have been formed with tooling affected by excessive wear. If both of these conditions are present, insufficient compression strength of the coolant within the inflator housing may result and may lead to an improper air bag deployment in a crash, which may increase the risk of injury to the front seat occupant.

This issue was observed in a laboratory test, and Nissan is not aware of any incidents related to this condition.

6. Chronology of Principal Events:

October 2016, Daicel was notified of an improper air bag deployment during a laboratory test and began an investigation into this test outcome.

November 2016 through December 2016, Nissan visited the coolant (filter) supplier to review their production processes and held several meetings with affected suppliers (Nihon Plast, Fuji and Daicel) to determine root cause of the test outcome and whether any inflator lots were affected. Additional testing was also conducted.

Nissan was not aware of any incidents that were attributable to the subject condition.

December 2016 through January 2017 – Upon review of investigation to date, Nissan requested Nihon Plast to conduct additional bench testing and assessment of the subject issue.

February 2017 – Nissan met with Nihon Plast to review their testing results and assessment of the issue.

Concurrent with this activity, Nissan performed active field monitoring to determine if there were any incidents attributable to the subject condition. None were identified.

March 2017 – Nissan's design group reviewed the bench testing results and assessment provided by the Nihon Plast.

April 6, 2017 – Out of abundance of caution, Nissan decided conduct a recall to replace the subject inflators.

7. Description of Corrective Action:

Owners of all potentially affected vehicles will be notified to take their vehicle to a Nissan dealer. The dealer will replace the passenger air bag inflator with a new one at no cost to the owner.

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

8. Copy of Notices:

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