

NISSAN GROUP
OF NORTH AMERICA



Nissan North America, Inc.
One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

June 13, 2016

Mr. Gregory K. Rea
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 Sir:

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. Nissan plans to notify dealers on June 13 and will notify all affected owners within 60 days of DIR submission to bring their vehicle into a Nissan dealer.

Very truly,

A handwritten signature in blue ink, appearing to read 'Derek Latta', with a long horizontal stroke extending to the left.

Derek Latta
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 2016 Model Year Nissan LEAF and Sentra vehicles shown in the table below:

<u>Make/Model</u>	<u>Dates of Manufacture</u>
MY 2016 Nissan LEAF	February 24, 2016 through March 23, 2016
MY 2016 Nissan Sentra	February 9, 2016 through March 4, 2016

The issue is unique to the subject vehicles that have been equipped with subject passenger air bag (PAB) wiring harness connector cylinders produced during a specific time period.

The name and address of the Tier 1 suppliers for the passenger air bag (PAB) assemblies are:

Calsonic Kansei Mexico
Av. San Francisco de los Romo 401, Parque Industrial San Francisco
San Francisco de los Romo, Aguascalientes. MEX.
C.P. 20304
MASAKAZU WADA - VP
masakazu_wada@ck-mail.com
449-352-3754
449-910-1600 ext 55952

Calsonic Kansei North America (CKNA)
Headquarters
One Calsonic Way, P.O. Box 350
Shelbyville, TN 37162
Charles Mangrum (Sr. Director Monozukuri Quality)
Charles_Mangrum@ck-mail.com
931-205-2703

3. Total Number of Vehicles Potentially Involved:

Approximately 4,355 vehicles are subject to this recall shown in the table below:

Make/Model	Vehicles Affected
MY 2016 Nissan LEAF	174
MY 2016 Nissan Sentra	4,181

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

Unknown

5. Description of the Defect:

Due to a Tier 5 supplier error that has since been corrected, the PAB wiring harness connector cylinder may have been manufactured out of specification. If the connector cylinder is out of specification, the wiring harness connector may not stay connected to the dual-stage PAB as designed. If this occurs, the wiring harness connector could become either fully or partially disengaged from the PAB. If the connector becomes fully disengaged, a warning lamp will illuminate but the PAB will not deploy in a crash where it is designed to deploy. If the connector becomes partially disengaged, a warning lamp may not illuminate. Further, in the event of a crash, the first stage may deploy, but the second stage may not deploy as designed. This may increase the risk of injury to the front seat occupant in a crash where the PAB is designed to deploy.

6. Chronology of Principal Events:

February 26, 2016 – During a routine quality inspection, the Tier 1 supplier (CK) discovered that the wiring harness connection to the PAB was harder to connect than normal. The supplier quarantined all air bag module assemblies at their facility and began to investigate the issue.

Late February 2016 – Nissan was notified by the Tier 1 supplier of the issue. Nissan requested a supplier audit to determine the root cause, scope and the potential consequence of the issue. Nissan also requested that the supplier study the outflow of potentially affected parts.

Early March 2016 - The audit identified a supplier machining tool setup error at the Tier 5 supplier potentially causing the PAB wiring harness connector cylinder to be manufactured out of specification. Additional quality control measures were implemented at the supplier to prevent recurrence.

March 2016 through May 2016 – The Tier 1 supplier conducted an inspection of 4,808 parts in containment and identified 6 affected parts. Nissan also conducted a plant yard audit of 1,185 vehicles and identified 3 vehicles with the subject condition.

Nissan continued to analyze the inspection data to better understand the incident mechanism and failure mode associated with this issue. In addition, Nissan continued to investigate the affected vehicle population ranges at both the Aguascalientes, Mexico and Smyrna, TN plants to determine if there was any outflow to dealers.

During this time period, Nissan also actively monitored field information and did not identify any field incidents attributable to the subject condition.

June 6, 2016 – While Nissan is not aware of any incidents attributable to this issue, out of an abundance of caution, Nissan decided to conduct a safety recall campaign.

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 inspect for proper harness connector engagement. If there is improper engagement, the passenger side air bag module and main body harness will be replaced at no cost to the owner.

We 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.