

NISSAN

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June 5, 2015

Mr. D. Scott Yon
Vehicle Integrity Division
Office of Defects Investigation
National Highway Traffic Safety Administration
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

Re: RQ15-001; NVS 212mjl

Dear Mr. Yon,

Enclosed is Nissan's response to the referenced NHTSA Information Request of April 2, 2015 concerning the Agency's investigation of allegations involving recurrence of the defect condition as found in voluntary safety recall 14V-138, or any improper/incorrect/unwanted illumination of the front passenger air bag status light for adult occupants of sufficient (or unknown) weight, or any asymmetrical deployment of the frontal air bags in a crash where the passenger air bag does not deploy while the driver air bag deploys in Model Year (MY) 2013-2014 Nissan Altima, Pathfinder, Sentra and LEAF; MY 2013 Infiniti JX35; MY 2014 Infiniti QX60 and Q50; and MY 2013 Nissan NV200/Taxi vehicles. The enclosed complete response replaces the partial response Nissan submitted on March 22, 2015.

The attached reply responds by first stating each question, then the response. Please contact us if you have any questions.

Sincerely,

Donald Neff

Donald Neff
Senior Manager
Technical Compliance

Enclosures

Response to
RQ15-001

INTRODUCTION

In responding to this Information Request ("IR"), information has been obtained from those places within Nissan likely to contain such information in the regular and ordinary course of business. When a particular Request seeks "documents" as defined in the IR, reasonable, good faith searches have also been made of corporate records that are likely to contain responsive information in those places where such records are likely to be found. We have not checked such documents as "calendars", "appointment books", "financial statements" and "personnel records" even though they are included in the definition of "documents" because such documents would not contain owner complaints, field reports, technical analyses or other information sought by Request 2 pertaining to the alleged defect. We have also searched for responsive documents and information only with respect to vehicles manufactured for sale in the United States, which we understand to be the scope for which the IR seeks information. Nissan has searched for and produced records that were created up to and on the date the IR was released, April 2, 2015. Nissan appreciates the agency's consideration in granting a two week extension for the full response.

Responses are provided after each request, and Attachments are utilized as appropriate. The source of information used as a basis for the data in each Attachment, including the date the data were updated and retrieved, is identified at the beginning of each Attachment, as applicable. If a document itself is the source for the requested information and it is provided, we assume no further source identification is called for. If a document, drawing or component is requested, or if no responsive information is available, we assume no further source identification is called for.

With regard to claims of privilege, Nissan understands that it is acceptable to the Agency for Nissan to identify specific categories of privileged documents rather than any specific document. These specific categories are: 1) communications between outside counsel and Nissan Legal Department employees, other Nissan employees, or other Nissan-represented parties in litigation or claims; 2) communications between Nissan Legal Department employees and other Nissan employees or other Nissan-represented parties in litigation or claims; 3) notes and other work product of outside counsel or of Nissan Legal Department employees concerning communications with Nissan employees or consultants, and the work product of those employees or consultants done for or at the request of outside counsel or Legal Department employees; and 4) other categories to be identified later as necessary. For any privileged documents that are not included in these categories, such documents, if any, will be specifically identified on a separate privilege index at a later time. To the extent that a document is furnished, and unless the production of that document is inadvertent, Nissan is not asserting a privilege claim for that document, although the disclosure of such document does not waive the attorney-client privilege or work-product protection with respect to other documents prepared in connection with the specific litigation or claim or other litigation or claims. In addition, in submitting such documents, we reserve our right to claim the attorney-client privilege and/or work-product protection with respect to analyses that may be prepared subsequently in connection with these and other cases. Also, we understand documents specifically related to the preparation of the responses are not sought.

Nissan believes NHTSA's policy is to protect the privacy of individuals under exemption 6 of the Freedom of Information Act, 5 U.S.C. Section 552(b)(6). We understand that name, address, and other personal information of owners or other individuals, including Nissan

personnel, contained in any of the attachments in this response will not be made available to the public. Therefore, Nissan is not requesting confidential treatment for this information pursuant to 49 CFR, Part 512, but we believe any private information concerning individuals should not be made public.

* * * * *

1. State, by model and model year, the number of subject vehicles that Nissan has manufactured for sale or lease in the United States. Separately, for each subject vehicle manufactured to date by Nissan, state the following:
 - a. Vehicle identification number (VIN);
 - b. Make;
 - c. Model;
 - d. Model Year;
 - e. Date of manufacture;
 - f. Date warranty coverage commenced; and
 - g. The State in the United States where the vehicle was originally sold or leased (or delivered for sale or lease).

Provide the table in Microsoft Access 2010, or a compatible format, entitled "PRODUCTION DATA."

Table 1. Production Data Summary

MODEL	MODEL YEAR	UNITS
Altima	2013	360,925
Altima	2014	182,924
Pathfinder	2013	79,906
Pathfinder	2014	44,242
Sentra	2013	151,928
Sentra	2014	28,961
LEAF	2013	26,096
LEAF	2014	3,060
JX35	2013	43,115
QX60	2014	20,200
Q50	2014	38,881
NV200/Taxi	2013	6,065
NV200/Taxi	2014	523

The information requested in 1.a through 1.g is provided, when known, in a Microsoft Access table titled " RQ15-001_PRODUCTION DATA" on a DVD enclosed as Attachment A.

2. Separately, by model and model year, state the number of each of the following, received by Nissan, or of which Nissan is otherwise aware, which relate to, or may relate to, the alleged defect in the subject vehicles:
 - a. Consumer complaints, including those from fleet operators;

788 complaints from Nissan's Consumer Affairs database, representing 716 unique VIN's.

Table 2. Consumer Complaint Summary

MODEL	MODEL YEAR	Consumer Complaints
Altima	2013	301
Altima	2014	123
Pathfinder	2013	134
Pathfinder	2014	64
Sentra	2013	81
Sentra	2014	11
LEAF	2013	5
LEAF	2014	0
JX35	2013	42
QX60	2014	13
Q50	2014	13
NV200/Taxi	2013	1
NV200/Taxi	2014	0

b. Field reports, including dealer field reports;

149 Field Report representing 144 unique VINs

345 Dealer Field Reports representing 343 unique VINs

1 Incident Investigation Report

Table 3. Field Reports Summary

MODEL	MODEL YEAR	Field Reports	Dealer Field Reports	Incident Investigation Reports
Altima	2013	67	115	0
Altima	2014	2	66	0
Pathfinder	2013	32	47	1
Pathfinder	2014	0	34	0
Sentra	2013	27	33	0
Sentra	2014	2	1	0
LEAF	2013	0	3	0
LEAF	2014	0	2	0
JX35	2013	15	20	0
QX60	2014	1	10	0
Q50	2014	3	14	0
NV200/Taxi	2013	0	0	0
NV200/Taxi	2014	0	0	0

c. Reports involving a crash, injury, or fatality:

There were 2 reported crash events only one of which included an alleged injury. The reported crash event which included an alleged injury is included as an incident investigation report in 2b above as well as a consumer complaint in 2a above. The remaining alleged crash event is included as a consumer complaint in 2a above. There were 0 reports of fatality.

Table 4. Crash, Injury, Fatality Reports Summary

MODEL	MODEL YEAR	Reports Involving Crash, Injury or Fatality	Included as Consumer Complaint	Included as Incident Investigation Report
Altima	2013	0		
Altima	2014	1	Y	
Pathfinder	2013	1	Y	Y
Pathfinder	2014	0		
Sentra	2013	0		
Sentra	2014	0		
LEAF	2013	0		
LEAF	2014	0		
JX35	2013	0		
QX60	2014	0		
Q50	2014	0		
NV200/Taxi	2013	0		
NV200/Taxi	2014	0		

d. Property damage claims:

There was 1 property damage event responsive to this inquiry which is included as an incident investigation report in 2b above as well as a consumer complaint in 2a above.

Table 5. Property Damage Claims Summary

MODEL	MODEL YEAR	Property Damage Claims
Altima	2013	0
Altima	2014	0
Pathfinder	2013	1
Pathfinder	2014	0
Sentra	2013	0

MODEL	MODEL YEAR	Property Damage Claims
Sentra	2014	0
LEAF	2013	0
LEAF	2014	0
JX35	2013	0
QX60	2014	0
Q50	2014	0
NV200/Taxi	2013	0
NV200/Taxi	2014	0

- e. Third-party arbitration proceedings where Nissan is or was a party to the arbitration; and

There are 2 third party arbitration proceedings where Nissan is or was a party to the arbitration.

Table 6. Third Party Arbitration Proceedings Summary

MODEL	MODEL YEAR	Third Party Arbitration Proceedings
Altima	2013	0
Altima	2014	0
Pathfinder	2013	1
Pathfinder	2014	1
Sentra	2013	0
Sentra	2014	0
LEAF	2013	0
LEAF	2014	0
JX35	2013	0
QX60	2014	0
Q50	2014	0
NV200/Taxi	2013	0
NV200/Taxi	2014	0

- f. Lawsuits, both pending and closed, in which Nissan is or was a defendant or codefendant.

There are 4 lawsuits, 2 of which are included as third-party arbitration proceedings in 2e above, both pending and closed in which Nissan is or was a defendant or co-defendant.

Table 7. Lawsuits Summary

MODEL	MODEL YEAR	Lawsuits
Altima	2013	1
Altima	2014	0
Pathfinder	2013	1
Pathfinder	2014	1
Sentra	2013	1
Sentra	2014	0
LEAF	2013	0
LEAF	2014	0
JX35	2013	0
QX60	2014	0
Q50	2014	0
NV200/Taxi	2013	0
NV200/Taxi	2014	0

For subparts "a" through "f," state the total number of each item (e.g., consumer complaints, field reports, etc.) separately. Multiple incidents involving the same vehicle are to be counted separately. Multiple reports of the same incident are also to be counted separately (i.e., a consumer complaint and a field report involving the same incident in which a crash occurred are to be counted as a crash report, a field report and a consumer complaint).

In addition, for items "c" through "f," provide a summary description of the alleged problem and causal and contributing factors and Nissan's assessment of the problem, with a summary of the significant underlying facts and evidence. For items "e" and "f," identify the parties to the action, as well as the caption, court, docket number, and date on which the complaint or other document initiating the action was filed.

The answers given to Request Number Two above were gathered from Nissan's data and are current as of April 2, 2015.

3. Separately, for each item (complaint, report, claim, notice, or matter) within the scope of your response to Request No.2, state the following information:
 - a. Nissan's file number or other identifier used;
 - b. The category of the item, as identified in Request No. 2 (i.e., consumer complaint, field report, etc.);
 - c. Vehicle owner or fleet name (and fleet contact person), address, and telephone number;
 - d. Vehicle's VIN;

- e. Vehicle's make, model and model year;
- f. Vehicle's mileage at time of incident;
- g. Incident date;
- h. Report or claim date;
- i. Reported weight of the front passenger occupant(s) allegedly being misclassified thus turning off the passenger air bag;
- j. Whether a crash is alleged;
- k. Whether property damage is alleged;
- l. Number of alleged injuries, if any; and
- m. Number of alleged fatalities, if any.

Provide this information in Microsoft Access 2010, or a compatible format, entitled "REQUEST NUMBER TWO DATA."

The information requested in 3.a through 3.m is provided, when known, in a Microsoft Access database titled "RQ15-001_REQUEST_NUMBER_TWO_DATA" on a CD enclosed as Attachment A.

4. Produce copies of all documents related to each item within the scope of Request No.2. Organize the documents separately by category (i.e., consumer complaints, field reports, etc.) and describe the method Nissan used for organizing the documents. Describe in detail the search methods and search criteria used by Nissan to identify the items in response to Request No.2.

Documents within the scope of Request No. 2 are on a CD enclosed as Attachment A. The documents are organized by category.

The search criteria used by Nissan to identify the documents in response to Request No. 2 are set forth in Attachment B.

5. State, by model and model year, a total count for all of the following categories of claims (excluding recall remedy repair claims for the subject recall; see Request No. 11 regarding remedy repair claims), collectively, that have been paid by Nissan to date that relate to, or may relate to, the alleged defect in the subject vehicles: warranty claims; extended warranty claims; claims for good will services that were provided; field, zone, or similar adjustments and reimbursements; and warranty claims or repairs made in accordance with a procedure specified in a technical service bulletin or customer satisfaction campaign.

Separately, for each such claim, state the following information:

- a. Nissan's claim number;
- b. Vehicle owner or fleet name (and fleet contact person), street address, email address and telephone number;
- c. Vehicle's VIN;
- d. Vehicle's make, model and model year;
- e. Repair date;

- f. Vehicle mileage at time of repair;
- g. Repairing dealer's or facility's name, telephone number, city and state or ZIP code;
- h. Labor operation number(s);
- i. Problem code(s);
- j. Diagnostic trouble code(s), if any;
- k. Replacement part number(s) and description(s);
- l. Concern stated by customer;
- m. Cause as stated on the repair order;
- n. Correction as stated on the repair order; and
- o. Comment, if any, by dealer/technician relating to claim and/or repair.

Provide this information in Microsoft Access 2010, or a compatible format, entitled "WARRANTY DATA."

Table 8. Warranty Data Summary

VEHICLE MODEL	VEHICLE MODEL YEAR	WARRANTY COUNT
Altima	2013	1,328
Altima	2014	616
Pathfinder	2013	559
Pathfinder	2014	280
Sentra	2013	341
Sentra	2014	42
LEAF	2013	19
LEAF	2014	1
JX35	2013	239
QX60	2014	87
Q50	2014	40
NV200/Taxi	2013	3
NV200/Taxi	2014	0

The information requested in 5.a through 5.o is provided, when known, in a Microsoft Access table titled "RQ15-001_WARRANTY DATA" on a DVD enclosed as Attachment A.

The warranty claims shown in Table 8 above and in the attached data table all indicate:

- I. illumination of the front passenger air bag status light (PABI); or
- II. the warranty claim does not include enough information to determine the status of the PABI lamp.

The warranty claims shown in Table 8 above and the attached data table may be over-inclusive. In the interest of transparency, Nissan has included these claims even if there is not enough information to be certain the claim is responsive.

Nissan has received no relevant warranty claims on vehicles that have undergone the recall repair and that would apply to the alleged defect described in section (a) of the RQ. Furthermore, Nissan has no claims on vehicles that have undergone the recall

repair and that relate to any unusual asymmetrical deployment as described in section (c) of the RQ. To be specific, there are zero warranty claims that suggest that the recall condition persists or has appeared in any vehicle that underwent the recall repair.

Warranty claims containing diagnostic trouble codes (DTCs) which, by design, illuminate the red supplemental air bag warning light were excluded from this submission. This was done even if some of those same DTCs simultaneously illuminate the PABI lamp. Additionally, warranty claims indicating illumination of the red supplemental air bag warning light were excluded from this submission even if the associated DTCs were not noted. These claims were excluded because they represent repairs that are not related to the alleged defect.

6. Describe in detail the search criteria used by Nissan to identify the claims identified in response to Request No.5, including the labor operations, problem codes, part numbers and any other pertinent parameters used. Provide lists of all labor operations, labor operation descriptions, problem codes, and problem code descriptions applicable to the alleged defect in the subject vehicles. State, by model and model year, the terms of the new vehicle warranty coverage offered by Nissan on the subject vehicles (i.e., the number of months and mileage for which coverage is provided and the vehicle systems that are covered). Describe any extended warranty coverage option(s) that Nissan offered for the subject vehicles and state by option, model and model year, the number of vehicles that are covered under each such extended warranty.

The search criteria used by Nissan to identify the claims identified in response to Request No. 5 are set forth in Attachment B. Descriptions of each labor operation code, problem code, and part number are given in the Warranty Data table.

The requested new vehicle warranty coverage documents are on a DVD enclosed as Attachment C.

Table 9. Extended Warranty Summary

		OPTION							
		GOLD	GOLD PREFERRED	INFINITI ELITE	NCV POWERTRAIN	NCV SILVER PREFERRED	POWER-TRAIN PREFERRED	SILVER	SILVER PREFERRED
MODEL	MODEL YEAR	VEHICLES COVERED							
Altima	2013	51	90,070				321	2	2,052
Altima	2014	36	64,222				64	1	1,339
Pathfinder	2013	6	16,998				71		463
Pathfinder	2014	5	17,739				42		519
Sentra	2013	12	47,770				130		1,197
Sentra	2014	20	43,078				59		1,277
LEAF	2013		1,909						15
LEAF	2014		704						6
JX35	2013			3,807					
QX60	2014			2,698					

		OPTION						
		GOLD	GOLD PREFERRED	INFINITI ELITE	NCV POWERTRAIN	NCV SILVER PREFERRED	POWER-TRAIN PREFERRED	SILVER SILVER PREFERRED
MODEL	MODEL YEAR	VEHICLES COVERED						
Q50	2014			2,145				
NV200/Taxi	2013				24	423		
NV200/Taxi	2014				14	307		
	COVERAGE	Up to 8 years and 120,000 miles						

7. Produce copies of all service, warranty, and other documents that relate to, or may relate to, the alleged defect in the subject vehicles that Nissan has issued to any dealers, regional or zone offices, field offices, fleet purchasers, or other entities. This includes, but is not limited to, bulletins, advisories, informational documents, training documents, or other documents or communications, with the exception of standard shop manuals. Also include the latest draft copy of any communication that Nissan is planning to issue within the next 120 days.

The requested dealer communication and service bulletin documents are on a DVD enclosed as Attachment D.

Nissan revised language in the *SUPPLEMENTAL RESTRAINT SYSTEM* section of Owner's Manuals for the subject vehicles. Updated copies of these Owner's Manuals is also on a DVD enclosed as Attachment D.

Nissan is currently revising 2 Technical Service Bulletins (attached as ITB14-042 and NTB14-084) to aid in diagnostics and service information. The publication date for the revisions is currently unknown.

8. Describe all assessments, analyses, tests, test results, studies, surveys, simulations, investigations, inquiries and/or evaluations (collectively, "actions") that relate to, or may relate to, the alleged defect in the subject vehicles that have been conducted, are being conducted, are planned, or are being planned by, or for, Nissan. This includes, but is not limited to, all actions by the subject component manufacturer relating to the alleged defect in the subject vehicles and all actions related or leading to the subject recall. For each such action, provide the following information.
- Action title or identifier;
 - The actual or planned start date;
 - The actual or expected end date;
 - Brief summary of the subject and objective of the action;
 - Engineering group(s)/supplier(s) responsible for designing and for conducting the action; and
 - A brief summary of the findings and/or conclusions resulting from the action.

For each action identified, provide copies of all documents related to the action, regardless of whether the documents are in interim, draft, or final form. Organize the documents chronologically by action. If an action is not complete, provide a detailed schedule for the work to be done, tentative findings and/or conclusions, and provide an update within 10 days of completion of the action.

The information requested in 8.a through 8.f is provided, when known, in a spreadsheet titled "LIST OF ACTIONS RQ15-001" and is enclosed in Confidential Attachment E. Copies of the documents related to the actions are also attached in Confidential Attachment E.

9. Describe in detail all modifications or changes made by, or on behalf of, Nissan in the design, material composition, manufacture, quality control, supply, or installation of the subject components, including all OCS algorithm changes, software updates and hardware changes, in the subject vehicles, from the start of production to the end of production of the subject vehicles, which relate to, or may relate to, the alleged defect in the subject vehicles. For each such modification or change, provide the following information:
 - a. The date or approximate date on which the modification or change was incorporated into vehicle production;
 - b. A detailed description of the modification or change;
 - c. The reason(s) for the modification or change;
 - d. Whether the modification or change was related to the subject recall;
 - e. The part number(s) (engineering and service) of the original component;
 - f. The part number(s) (engineering and service) of the modified component;
 - g. Whether the original unmodified component was withdrawn from production and/or sale, and if so, when;
 - h. When the modified component was made available as a service component; and
 - i. Whether the modified component can be interchanged with earlier production components.

Also, provide the above information for any modification or change that Nissan is aware of which may be incorporated into vehicle production within the next 120 days.

The information requested in 9.a through 9.g is provided, when known, in a file titled "RQ15-001 REQUEST 9 RESPONSE.pdf" and is enclosed in Confidential Attachment F. Nissan is not aware of any modifications or changes to be incorporated into vehicle production within the next 120 days.

10. State, by model and model year, all part numbers of the subject components that have been installed in the subject vehicles as assembled by Nissan (i.e., as original equipment), and the service part numbers of the subject components Nissan designates for installation on the subject vehicles. State, by sales month, sales year and part number, the total number of subject components sold as service parts by Nissan. Identify any kits that Nissan has released or developed for use in service repairs to the subject components or assembly.

For each subject component part number, provide the supplier's name, address, and point of contact used by Nissan (name, title and telephone number). Also, identify by model and model year, any other vehicles of which Nissan is aware that contain the identical subject component, whether installed in production or in service, and state the applicable dates of production or service usage.

The information requested in question 10 is provided, when known, in a file titled "RQ15-001 REQUEST 10 RESPONSE.pdf" and is enclosed in Confidential Attachment G.

11. State, by model and model year, a total count for all recall remedy repair claims for the subject recall. Explain how Nissan searched and identified the claims responsive to this request.

Separately, for each such repair, state the following information:

- a. Nissan's claim number;
- b. Vehicle owner or fleet name (and fleet contact person), street address, email address and telephone number;
- c. Vehicle's VIN;
- d. Vehicle's make, model and model year;
- e. Repair date;
- f. Vehicle mileage at time of repair;
- g. Repairing dealer's or facility's name, telephone number, city and state or ZIP code;
- h. Labor operation number(s);
- i. Problem code(s);
- j. Diagnostic trouble code(s), if any;
- k. Replacement part number(s) and description(s);
- l. Concern stated by customer;
- m. Cause as stated on the repair order;
- n. Correction as stated on the repair order; and
- o. Comment, if any, by dealer/technician relating to claim and/or repair.

Provide this information in Microsoft Access 2010, or a compatible format, entitled "RECALL DATA."

Table 10. Recall Remedy Repair Claims

VEHICLE MODEL	VEHICLE MODEL YEAR	RECALL REMEDY REPAIR CLAIMS
Altima	2013	288,299
Altima	2014	154,799
Pathfinder	2013	66,735
Pathfinder	2014	38,337
Sentra	2013	114,618
Sentra	2014	25,084
LEAF	2013	21,260
LEAF	2014	2,471
JX35	2013	38,228

VEHICLE MODEL	VEHICLE MODEL YEAR	RECALL REMEDY REPAIR CLAIMS
QX60	2014	18,452
Q50	2014	35,503
NV200/Taxi	2013	3,437
NV200/Taxi	2014	354

The search criteria used by Nissan to identify the claims identified in response to Request No. 11 is as follows:

Model Codes: L33 (ALTIMA), R52 (PATHFINDER), L50 (JX/QX60), B17 (SENTRA), ZE0 (LEAF), M20 (NV200), M30 (TAXI), V37 (Q50)

PFP Identification Number: R1404 OR R1405

The information requested in 11.a through 11.o is provided, when known, in a Microsoft Access table titled "RQ15-001_RECALL DATA" on a DVD enclosed as Attachment A.

The answers given to Request No. 11 above and attached were gathered from Nissan's warranty data and are current as of April 2, 2015.

12. Describe in detail the design and function of the OCS, including all its components, in the subject vehicles. Your response should include, but is not limited to, the following information:

- a. Strategies, logic and algorithms used for classifying occupants and objects in the front passenger seat, including as they relate to the defect identified in the subject recall;
- b. Block/component diagram for the logic operation of the OCS; and
- c. Description of similarities and differences, if any, in the subject components among the subject vehicles. Provide this information by model and model year.

The information requested in 12.a through 12.c is provided, when known, in a file titled "RQ15-001 REQUEST 12 RESPONSE.pdf" and is enclosed in Confidential Attachment H.

13. Provide, by model and model year, a table showing all OCS software versions that have been used on the subject vehicles by implementation date from the start of production to the end of production of the subject vehicles. Include a description of each software version and indicate whether any version has been used, or is still being used, for updating the original version during service repairs; if so, for each version used in service, include the start and end dates of use.

The information requested in question 13 is provided, when known, in a file titled "RQ15-001 REQUEST 13 RESPONSE.pdf" and is enclosed in Confidential Attachment I.

14. Furnish Nissan's assessment of the alleged defect in the subject vehicles, including:

- a. The causal or contributory factor(s);
- b. The failure mechanism(s);
- c. The failure mode(s);
- d. The risk to motor vehicle safety that it poses;
- e. What warnings, if any, the operator and the other persons both inside and outside the vehicle would have that the alleged defect was occurring or subject component was malfunctioning; and
- f. The VOQ reports referenced in this inquiry.

The subject of this RQ is recall number 14V-138 which addressed a specific occupant misclassification by the OCS. The testing performed by Nissan clearly demonstrates that the remedy provided for recall 14V-138 has resolved the safety issue we reported on in our Part 573 report of March 24, 2014.

The issue noted in that report was that the occupant classification system might lock prematurely and thereby classify a seat as empty even though it was occupied by an adult. That would result in the passenger airbag being suppressed with the passenger airbag indicator light (PABI) being OFF. (In Nissan vehicles, the PABI is off when the seat is empty and when the occupant is classified as an adult. It is on when the seat is occupied by something such as a package or someone other than a properly positioned adult.) When Nissan became aware of a potential problem, it identified a solution, which we described in the March 24 report, and we conducted extensive validation and testing of that solution to confirm its effectiveness. Field experience with repaired vehicles has further confirmed the effectiveness of the repair solution. Nissan is not aware of any instance in its testing or in the field in which a repaired OCS or an OCS manufactured with the parameter changes built in has misclassified a seat as empty when it was occupied by a properly positioned adult.

Nissan described the defect and remedy as follows in its March 24 report:

Description of the Defect:

Due to the sensitivity of the OCS software calibration, in some of the affected vehicles, and in certain rare instances, the Occupant Classification System (OCS) algorithm may not properly classify an adult passenger front seat occupant. More specifically, a combination of factors such as high engine vibration at idle when the seat is initially empty and then becomes occupied, or unusual occupant seating postures immediately upon being seated may cause the OCS to classify an occupied front passenger seat as empty. In some instances, the OCS may properly re-classify the passenger seat status if the vehicle comes to a stop and begins to idle again with lower vibration.

If the OCS classifies the passenger seat as empty, the OCS is designed to suppress the deployment of the passenger air bag, and the passenger air bag status light does not illuminate. Accordingly, if the classification is not corrected, there may be no warning that the air bag may not deploy in a crash where it is designed to deploy, potentially increasing the risk of injury to the front passenger seat occupant.

Description of Corrective Action:

Owners of the potentially affected vehicles will be notified beginning in mid-April 2014. The OCS algorithm will be reprogrammed to improve the sensitivity to vehicle vibration at idle and to reduce the potential for classifying the seat as empty when it is occupied by someone with an unusual seating posture. This reprogram will be offered at no charge to the customer.

The "alleged defect" description in the RQ (noted below) is much broader than the condition that the recall remedy was designed to address, and it includes situations in which the OCS is operating as intended. The following is the description in the RQ:

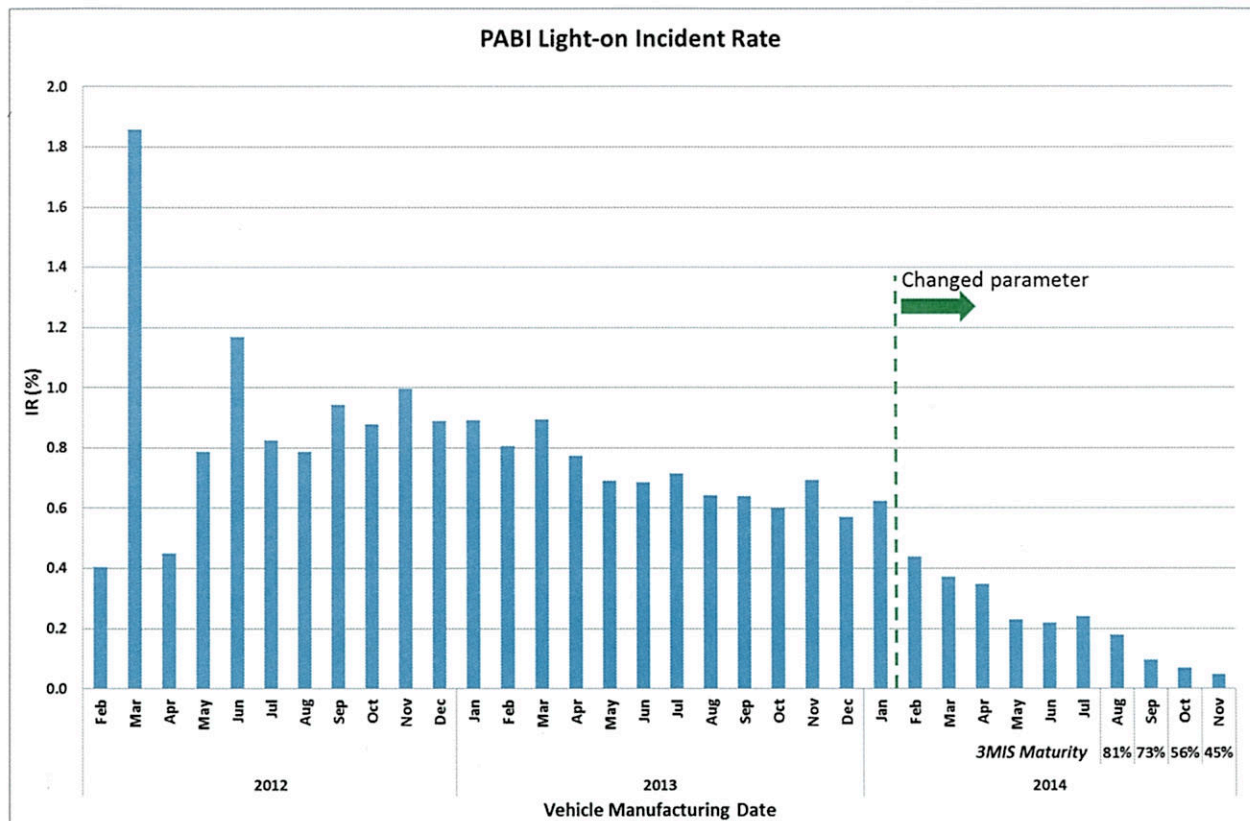
Alleged defect: Allegation of one or more of the following after the remedy for the subject recall was performed:

- a. Occurrence of the defect condition identified in the subject recall;
- b. Any improper, incorrect or unwanted illumination of the front passenger air bag status light (i.e., indicating passenger air bag is turned off) for adult occupants of either sufficient weight (i.e., weight of 105 pounds or more) or unknown (unreported) weight sitting in the front passenger seat; and/or
- c. Asymmetrical deployment of the frontal air bags in a crash; specifically, the scenario where the passenger air bag does not deploy while the driver air bag deploys.

Subparagraph a is certainly related to the recall condition. The conditions described in subparagraph b would be related to the recall condition if they were the result of a premature classification lock. But they would not be related to the recall condition or a defect if the occupant was grossly out of position. Nissan's OCS, like all OCS's, uses mass as detected by sensors as a proxy for age and size (adulthood). If the occupant's weight is near the classification threshold to begin with and the occupant is out of position such that his or her mass is not fully detected by the sensing system, then the system will classify that occupant accordingly. That is not a function of premature classification lock. Rather, it is a function of mass and position. Subparagraph c is not a description of a defect. Asymmetrical deployment is not only proper but is necessary when the passenger seat is empty or is occupied by someone or something with less detected mass than that of an adult.

Nevertheless, Nissan reiterates that it knows of no confirmed incidents in vehicles that were manufactured with the improved software or that have undergone the recall repair that have experienced a subparagraph a event or an unexpected subparagraph c event.

Regarding complaints regarding PABI illumination that would fall within subparagraph b of the RQ, the evidence available to Nissan indicates that the OCS system is working properly. The PABI is supposed to illuminate when the system determines that the seat is occupied by someone or something other than an adult and warns that the passenger airbag is suppressed. The very purpose of the light is to alert adult occupants that the airbag is suppressed so that they can reposition themselves properly. If the PABI were not illuminated in such situations, that would be a cause for concern. Nissan has seen a continuous reduction in warranty claims since the changed parameters were incorporated in production in mid-February of 2014 as demonstrated in figure 1.

**Figure 1**

Nissan's earlier investigations into unwanted PABI on complaints found that occupant seated posture was a large contributor to the light-on condition. To help eliminate seated posture caused complaints plus guide service technicians on proper OCS repairs, Nissan released a Nissan and Infiniti TSB (NTB14-084 & ITB14-042 respectively) on August 29, 2014 to help dealers address PABI on complaints.

In summary, there are no known instances of the defect reported in Nissan's Part 573 occurring post recall remedy. For PSBI on complaints, the issue has been addressed by running production changes and repair communications to dealers for earlier production models.

ATTACHMENT A

CD with Information Related to Requests 1, 5 and 11

This attachment contains a CD containing the information related to Request Numbers 1, 5 and 11. The information was obtained from the production database and the warranty database April 2, 2014. The databases are updated daily.

ATTACHMENT B

Warranty Claims Data

Warranty claims data were gathered from Warranty database April 2, 2015.

The search criteria used by Nissan to identify the claims identified in response to Request No. 5 is as follows:

Model Codes: L33 (ALTIMA), R52 (PATHFINDER), L50 (JX/QX60), B17 (SENTRA),
ZE0 (LEAF), M20 (NV200), M30 (TAXI), V37 (Q50)

Open Date: Greater than April 4, 2014

Warranty Code: Exclude ZZ (recall repair)

Customer or Technician Verbatim must contain at least one word from the following list:

KeyWord
PASS%AIR%BAG%
ODS
OCCUPANT DETECT
AIR%BAG%OFF%LIGHT
OCS

Claims matching the keywords as specified above were then filtered against the recall repair records to include only claims received after the vehicle had the subject recall performed. The resulting data were reviewed for relevancy to the request. Any documents that were obviously a different issue or otherwise non-responsive were removed. Any documents in which relevancy could not be determined because the verbatim was too vague were included in the submission.

Descriptions of the parts, trouble codes, and labor operation codes are included in the data attached in Attachment A responsive to Request 5.

Consumer Affairs data were additionally filtered for the following category/subcategory codes:

Category

Code	Description
BK	Restraint System

Subcategory

Code	Description
233500	Airbag Control Unit
234000	Airbag On/Off Switch
263000	Right Front Airbag

Legal Claims Search Criteria

Model Year = 2013 - 2014

Incident Date = greater than March 31, 2014

Failure Type = AN/Failure to Deploy or AI/Improper Deployment

Breach of Warranty (BOW) Search Criteria

Practice Area = Warranty

Model Year = 2013 - 2014

Note: BOW matters do not have an "Incident Date"

ATTACHMENT C

New Vehicle Warranty Coverage Documents

ATTACHMENT D

CD containing documents issued to dealers etc. as set forth in request No. 7

ATTACHMENT E

CD containing List of Actions responsive to Request 8

ATTACHMENT F

CD containing List of Actions responsive to Request 9

ATTACHMENT G

CD containing List of Actions responsive to Request 10

ATTACHMENT H

CD containing List of Actions responsive to Request 12

ATTACHMENT I

CD containing List of Actions responsive to Request 13

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ATTACHMENT G

REQUEST 10

RESPONSE_REDACTED

PART NUMBERS BY MODEL AND MY

JX35/QX60

MY	13				14		15
Production Part #							
SEN ASSY-OCCUPANT DETECTION	98850 3JA0A	98850 3JA1A		98850 3JR0A	98850 9NA0A	98850 9NC0A	98850 9ND0A
SEN-OCCUPANT	98853 3JA0A						
HARN-OCCUPANT SEN	98854 3JA0A						98854 9ND0A
CONT ASSY-OCCUPANT SEN	98856 3JG0A	98856 3JG1A	98856 3JG1B	98856 3JR0A	98856 9NA0A	98856 9NC0A	98856 9ND0A
Service Part #							
SEAT FRAME	87302 3JA7A						
SEN-OCCUPANT							98853 3JA0A
HARN-OCCUPANT SEN	98854 3JA0A						98854 9ND0A
CONT ASSY-OCCUPANT SEN	98856 3JG0A	98856 3JG1A	98856 3JG1B	98856 3JR0A	98856 9NA0A	98856 9NC0A	98856 9ND0A

ALTIMA

MY	13 /14			15		
Production Part #						
SEN ASSY-OCCUPANT DETECTION	98850 3TA0A	98850 3TY0A	98850 9HN0A		98850 9HP0A	98850 9HP0B
SEN-OCCUPANT	98853 3JA0A					
HARN-OCCUPANT SEN	98854 3TA0A		98854 9HN0A		98854 3KG7A	98854 9PD0A
CONT ASSY-OCCUPANT SEN	98856 3TM0A	98856 3TY0A	98856 9HN0A			
Service Part #						
SEAT FRAME	87301 3TA1A		87301 9HP1A	87301 9HP1A	87301 9HP4A	
SEN-OCCUPANT				98853 3JA0A		
HARN-OCCUPANT SEN	98854 3TA0A		98854 9HN0A		98854 3KG7A	98854 9PD0A
CONT ASSY-OCCUPANT SEN	98856 3TM0A	98856 3TY0A	98856 9HN0A	98856 9HN0A		

SENTRA

MY	13	14	
Production Part #			
SEN ASSY-OCCUPANT DETECTION	98850 3SG0A	98850 9AM0A	98850 9AM1A
SEN-OCCUPANT	98853 3JA0A		
HARN-OCCUPANT SEN	98854 3SG0A		98854 9AM1A
CONT ASSY-OCCUPANT SEN	98856 3SG0A	98856 9AM0A	98856 9AM1A
SEN&DIAG ASSY-OCCUPANT DETECT	98852 3JA0A		98852 9NA0A
Service Part #			
SEN-OCCUPANT		98853 3JA0A	

PART NUMBERS BY MODEL AND MY
PATHFINDER

MY	13MY		14MY		15MY	13MY		14MY		15MY
<u>Production Part #</u>	MANUAL		MANUAL			POWER		POWER		POWER
SEN ASSY-OCCUPANT DETECTION	98850 3KA3A	98850 3KA4A	98850 9PA5A	98850 9PC5A	98850 9PD5A	98850 3KG7A	98850 3KG8A	98850 9PA0A	98850 9PC0A	98850 9PD0A
SEN-OCCUPANT	98853 3JA0A									
HARN-OCCUPANT SEN	98854 3TA0A				98854 9HN0A	98854 3KG7A				98854 9PD0A
CONT ASSY-OCCUPANT SEN	98856 3KA1A	98856 3KA2A	98856 9PA0A	98856 9PC0A	98856 9PD0A	98856 3KA1A	98856 3KA2A	98856 9PA0A	98856 9PC0A	98856 9PD0A
<u>Service Part #</u>										
SEAT FRAME	87301 3KA3A					87301 3KE7A				
SEN-OCCUPANT					98853 3JA0A					98853 3JA0A
HARN-OCCUPANT SEN	98854 3TA0A				98854 9HN0A	98854 3KG7A				98854 9PD0A
CONT ASSY-OCCUPANT SEN	98856 3KA1A	98856 3KA2A	98856 9PA0A	98856 9PC0A	98856 9PD0A	98856 3KA1A	98856 3KA2A	98856 9PA0A	98856 9PC0A	98856 9PD0A

LEAF

MY	13						14
<u>Production Part #</u>							
SEN ASSY-OCCUPANT DETECTION	98850 3JA0A	98850 3NF0A				98850 9RA0A	98850 9RC0A
SEN-OCCUPANT	98853 3JA0A						
HARN-OCCUPANT SEN	98854 3NF0A						98854 9RC0A
CONT ASSY-OCCUPANT SEN	98856 3JA0A	98856 3JA1A	98856 3NF0A	98856 3NF0B		98856 9RA0A	98856 9RC0A
SEN&DIAG ASSY-OCCUPANT DETECT	98852 3JA0A						
<u>Service Part #</u>							
SEN-OCCUPANT					98853 3JA0A		
M10 NUT FLANGE HEXAGON					23391 3NF0A		
M8 NUT FLANGE HEXAGON					23188 3NF0A		

NV200/TAXI

MY	13					14	
<u>Production Part #</u>							
SEN ASSY-OCCUPANT DETECTION	98850 3LM0A					98850 9SA0A	98850 9SD0A
SEN-OCCUPANT	98853 3JA0A						
HARN-OCCUPANT SEN	Part of Seat Assy					Part of Seat Assy	
CONT ASSY-OCCUPANT SEN	98856 3JA0A	98856 3JA1A	98856 3LM1A	98856 3LN0A		98856 9SA0A	98856 9SD0A
SEN&DIAG ASSY-OCCUPANT DETECT	98852 3JA0A						98852 9NA0A
<u>Service Part #</u>							
M10 NUT FLANGE HEXAGON					23391 3NF0A		
M8 NUT FLANGE HEXAGON					23188 3NF0A		
SEN-OCCUPANT					98853 3JA0A		

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