



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: RQ 15-001
Date Opened: 03/18/2015
Investigator: Michael Lee
Approver: Jennifer Timian
Subject: Occupant Classification System Failure

Date Closed: 09/01/2015
Reviewer: Scott Yon

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Nissan North America, Inc.
Products: 2013-2014 Various Nissan/Infiniti Models (see models below)
Population: 986,826

Problem Description: The Occupant Classification System may misclassify adult front passenger occupants and turn off (deactivate) the passenger's frontal air bag.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	208	1,121	1271**
Crashes/Fires:	0	2	2
Injury Incidents:	0	1	1
Number of Injuries:	0	1	1
Fatality Incidents:	0	0	0
Other*:	0	3,283	3,283

*Description of Other: Warranty claims

** Total eliminates duplicates received by ODI and manufacturer.

ACTION / SUMMARY INFORMATION

Action: This Recall Query has been upgraded to an Engineering Analysis (EA15-004).

Summary:

In April 2014, Nissan North America launched Safety Recall 14V-138 to address problems with the Occupant Classification System (OCS) algorithm in the following vehicles: 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 NV 200/ Taxi vehicles. According to Nissan, the OCS may misclassify adult front passenger occupants and turn off the passenger's frontal air bag for an adult occupant of sufficient weight.

In March 2015, the Office of Defects Investigation (ODI) opened this Recall Query after the agency received approximately 124 complaints alleging problems with the OCS after the recall repairs and/or other OCS related repairs were made by Nissan/Infiniti dealers. The majority of the complaints alleged the passenger air bag status light stays on (i.e., indicating passenger air bag is turned off) for adult front passengers of sufficient weight. Many of the complaints stated the dealers have made multiple repairs but the problem still persists.

In its June 2015 response to ODI's information request under the Recall Query, Nissan provided approximately 1,121 complaints and field reports on the recalled vehicles. These reports alleged OCS issues similar to the NHTSA reports described above. At this time, NHTSA has received a total of approximately 208 complaints (note: total of 1,271 reports shown in the table above eliminates 58 duplicative reports received by ODI and manufacturer).

This Recall Query has been upgraded to an Engineering Analysis (EA15-004) to conduct a comparative assessment and further evaluate the effectiveness of the recall remedy which will include a thorough review of the

countermeasures taken by Nissan and its suppliers.

The ODI reports cited above can be reviewed online at <http://www-odi.nhtsa.dot.gov/owners/SearchNHTSAID> under the following identification numbers:

10583283 10585264 10585349 10585379 10592434 10593399 10593501 10594329 10594614 10594755 10595161
10595645 10595946 10596128 10596459 10596952 10597037 10597452 10597518 10597719 10598537 10598869
10604755 10604834 10605188 10605251 10606565 10606828 10607038 10609649 10610519 10610991 10614467
10614609 10614745 10616905 10617008 10617507 10617903 10618099 10618202 10619059 10619563 10620719
10621840 10622214 10625808 10625981 10625998 10626006 10626023 10626335 10626458 10626732 10628355
10629382 10629460 10629606 10630441 10630502 10630990 10632251 10632588 10632934 10632997 10633714
10633810 10637994 10638591 10639040 10639147 10639324 10639473 10643046 10643843 10644203 10644333
10644341 10644690 10644891 10644985 10648834 10648997 10649414 10649772 10649874 10651360 10651564
10651924 10651982 10652024 10658665 10658844 10659484 10660294 10661195 10661358 10661541 10661795
10661855 10662901 10663033 10663338 10663860 10663978 10668054 10668768 10670538 10672807 10673088
10676471 10678478 10678997 10679512 10680748 10680769 10680975 10681656 10682235 10682902 10682993
10683391 10683689 10689672 10689809 10689981 10691626 10692137 10692558 10692625 10693168 10695312
10700614 10700960 10701008 10701011 10701014 10701018 10701023 10701027 10701031 10701032 10701035
10701045 10701055 10701064 10701074 10701146 10701196 10701228 10701237 10701254 10701301 10701306
10701326 10701367 10701370 10701384 10701415 10701453 10701526 10701558 10701656 10701670 10701946
10702003 10702667 10702798 10703032 10703657 10703766 10703813 10704196 10704988 10705530 10705919
10706621 10712543 10712568 10712575 10713335 10714316 10714330 10714536 10714980 10715132 10715945
10717336 10720918 10720971 10721331 10721746 10723424 10724568 10731167 10731868 10732012 10732065
10733877 10735438 10745948 10745982 10746399 10747660 10748077 10749091 10749110 10758979