

NISSAN GROUP
OF NORTH AMERICA



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

Mailing Address:
PO Box 685001
Franklin, TN 37068

July 26, 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 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. Infiniti plans to notify retailers on July 27, 2017 and will notify all affected owners in mid-August to bring their vehicle into an Infiniti dealer.

Very truly,

A handwritten signature in black ink, appearing to read "Derek Latta". The signature is stylized with a large initial "D" and a long horizontal stroke at the end.

Derek Latta
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan Motor Co., Ltd.

2. Vehicles Potentially Involved:

Certain Infiniti Q50 and Q60 vehicles equipped with 2.0 liter engines shown in the table below:

<u>Make/Model</u>	<u>Dates of Manufacture</u>
MY 2016-2018 Infiniti Q50	March 10, 2015 through April 5, 2017
MY 2017 Infiniti Q60	July 30, 2016 through April 5, 2017

This issue is specific to Infiniti Q50 and Q60 models equipped with 2.0 liter engines (described in Section 5 below) manufactured during the subject time period.

3. Total Number of Vehicles Potentially Involved:

Approximately 14,192 vehicles are affected.

<u>Make/Model</u>	<u>Vehicles Affected</u>
Model Year 2016-2018 Infiniti Q50	11,843
Model Year 2017 Infiniti Q60	2,349

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

100%

5. Description of the Defect:

On the affected vehicles, an incorrect fuel pressure map was used in the Fuel Pump Control Module (FPCM) software. As a result, when the amount of fuel is low in the main tank, the pressure regulator may not open and send fuel from the sub tank to the main tank. Subsequently, under certain conditions, the fuel level in the main tank may be too low for the fuel pump to send fuel to the engine which can cause the engine to stop running while driving.

6. Chronology of Principal Events:

December 2016 – Nissan received a single report from the U.S. The report indicated that there could be an issue relating to the fuel pump. Nissan immediately began an investigation into the issue.

January 2017 to March 2017 – In late January, Nissan was able to duplicate the issue by conducting a scramble. Parts from the vehicle were collected to aid in the ongoing investigation.

Nissan initiated an active monitoring program and collected additional parts for analysis.

April 2017 – An initial result of the investigation indicated a potential issue with the fuel pressure mapping. Nissan improved the software logic in the fuel pump control module (FPCM) by incorporating a change to new vehicles in production to improve performance. Nissan met with NHTSA to explain its ongoing investigation and discuss a potentially relevant VOQ submitted to the agency. As the agency knew, Nissan did not have information at the time to suggest a safety related issue.

May 2017 – Nissan met with NHTSA to discuss its ongoing investigation and issued a TSB ITB17-036 to Infiniti dealers advising them to reprogram the FPCM if a subject vehicle exhibited specific symptoms similar to those described in the issue. Issuing this TSB enabled dealers to diagnose and isolate the subject issue and also enabled Nissan to more precisely monitor field data.

Late May 2017 to early July 2017 – Nissan continued the investigation and monitoring of field incidents via the TSB released in May.

July 12, 2017 – Nissan met with NHTSA and provided another update on its investigation.

July 19, 2017 – Nissan decided to conduct a safety recall campaign to remedy this issue.

7. Description of Corrective Action:

Infiniti retailers will reprogram the Fuel Pump Control Module (FPCM) with the correct software to prevent this issue from occurring. This service will be provided at no cost to the customer.

There will be no 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.