

TOYOTA

Toyota Motor Engineering &
Manufacturing North America, Inc.

Vehicle Safety & Compliance
Liaison Office
Mail Code: S-104
19001 South Western Avenue
Torrance, CA 90501

September 27, 2016

Mr. Jeffrey Giuseppe
Acting Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Attn: Recall Management Division (NEF-100)
1200 New Jersey Ave, SE
Washington, D.C. 20590

Re: Foreign Safety Recall/Other Safety Campaign Report
Certain Toyota Vehicles

Dear Mr. Giuseppe:

In accordance with 49 CFR 579.12, attached is a copy of our Foreign Safety Recall/Other Safety Campaign Report for the subject vehicles.

Should you have any questions about this report, please contact me directly.

Sincerely,



Abbas Saadat
Vice President
Vehicle Safety & Compliance Liaison Office
Toyota Motor Engineering & Manufacturing
North America, Inc.

Enclosures
Foreign Safety Recall/Other Safety Campaign Report

Foreign Safety Recall / Other Safety Campaign Report

Subject: Engine ECU issue on certain Toyota vehicles

1. Vehicle Manufacturer Name:

Toyota Motor Manufacturing Indiana [“TMMI”]

2. Involved Vehicles:

Make/ Car Line	Model Year	Country/Region	Action	Production Period	Number of Vehicles
Toyota/Sienna	2017	Canada, Mexico	Other Safety Campaign	July 27,2016 through August 22, 2016	Approx. 500

3. Substantially Similar Vehicles sold in the U.S.:

Model Year/Make/ Car Line: 2017 Model Year Toyota Sienna

4. Description of Problem:

The engine ECU of the subject vehicles contains programming logic which may not be optimal under two limited driving conditions. Under the first set of conditions, if the vehicle is driven continuously downward from a high altitude and is operated with minimal or no throttle input during that time, the engine ECU may not appropriately recognize the change in atmospheric pressure, resulting in an engine torque output that may be different from the torque output under lower altitude conditions when the accelerator pedal is lightly depressed at the bottom of the descent. In another situation, if the vehicle is accelerated from a stop on a steep upward incline with simultaneous brake and accelerator pedal application, there is a possibility that a transmission malfunction could be erroneously detected, placing the vehicle into “limp mode,” and resulting in insufficient torque output to accelerate the vehicle. Both of the phenomena described above can only occur under very limited and rare conditions; neither of them affect vehicle controllability, and neither present an unreasonable safety risk.

5. Description of Corrective Repair Action:

For all involved vehicles, the dealer will reprogram the engine ECU with new logic at no cost.

6. Determination to Conduct Safety Recall / Other Safety Campaign:

- The determination was made by Toyota Motor Corporation;
- Date of determination : September 21, 2016
- Date campaign will commence : November, 2016

7. Reason the similar vehicles sold in the U.S. are not involved in this safety recall / other safety campaign:

Toyota will conduct the same action (Customer Satisfaction Campaign) in the U.S. on certain Toyota Sienna vehicles as in Canada and Mexico to alleviate potential customer inconvenience posed by this issue. Because the conditions described can only occur under very limited and rare circumstances, and because the phenomena do not result in a vehicle controllability concern, no unreasonable risk to safety is presented.