PROTECTED 関係者外秘

TOYOTA-DIR-20180928

TOYOTA

Toyota Motor North America, Inc.
1588 Woodridge
Ann Arbor, Michigan 48105

September 28, 2018

EDIR-VERR Coordinator
Compliance Division
U.S. Environmental Protection agency
2000 Traverwood Drive
Ann Arbor, Michigan 48105

Re: Submission of Emissions Defect Information Report for Engine Loses Power at High Altitude with High Temperature

Pursuant to the requirements outlined in Part 85 (Subpart T) of 40CFR, we are providing an Emissions Defect Information Report (EDIR) on the models listed in paragraph 3 of this Defect Report.

This EDIR presents information about vehicle that may exhibit a Malfunction Indicator Light (MIL) "ON" condition with Diagnostic Trouble Code (DTC) P3190 (Poor Engine Power) when operating under certain conditions involving high altitude and temperature.

If you have any questions regarding this matter, please contact Mr. Arvon Mitcham of my staff at (734) 995-5587 or email: arvon.mitcham@toyota.com.

Sincerely,

William Meschievitz
Group Manager
Powertrain Certification and Compliance

cc: Ms. Annette Hebert, Div. Chief, California Air Resources Board – ECARS

1. *Manufacturer's Corporate Name*
Toyota Motor Corporation
1, Toyota-cho, Toyota
Aichi, 471-8571, JAPAN

Affiliated U.S. Importing Company
Toyota Motor North America Sales
6565 Headquarters Drive
Plano, TX 75024, U.S.A

2. *Description of the Defect*
When operating under certain conditions involving high altitude and temperature, the vehicle may experience DTW P3190 (Poor Engine Power) and reduced internal combustion engine power. In this condition, the vehicle will illuminate the check engine light and may enter an EV fail-safe mode if the internal combustion engine shuts down.

3. *Description of Vehicles Potentially Affected*

Make	*Model Year*	*Model*	*Test Group(s)*	*Engine(s)*	*Potentially Affected Vehicles*
Lexus	2016	RX450II	GTYXT03.5PC4	2GR-FXS	7,465
Toyota	2017	Highlander HV	HTYXT03.5P3S	2GR-FXS	14,704
Lexus	2017	RX450H	HTYXT03.5P34	2GR-FXS	11,215
Toyota	2018	Highlander HV	JTYXT03.5P3S	2GR-FXS	4,569
Lexus	2018	RX450H L	JTYXT03.5P3S	2GR-FXS	1,169
Lexus	2018	RX450H	JTYXT03.5P34	2GR-FXS	3,297

4. *Number of the Affected Vehicles and the Address of the Plants at Which the Affected Vehicles Were Produced*

(1) Number of affected vehicles
Approximately 42,419 units

(2) Addresses of the Plant

Toyota Motor Kyushu Inc. Miyata Plant
1, Kamiaruki, Miyawaka-City, Fukuoka, Japan

Toyota Motor Manufacturing, Indiana Inc.
4000 South Tulip Tree Drive, Princeton, Indiana 47670-4000 U. S. A.

Toyota Motor Manufacturing Canada Inc.
1055 Fountain Street North, Cambridge, Ontario N3H 5K2 Canada

5. *Evaluation of Emissions Impact and Description of Drivability Problems*

Emissions Impact: Emissions impact is not expected

Drivability Impact: Drivability will be impacted due to reduced engine power and EV fail-safe mode

Fuel Economy Impact: Fuel Economy impact is not expected

6. *Emission Data Related to the Defect*

There is no emission data available at this time.

7. *Anticipated Manufacturer Follow-up*

Implemented field fix and/or production countermeasure
Technical Service Bulletin: L-SB-0023-18, T-SB-0058-18