

Classification:

EC19-008

Reference:

ITB19-010

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Date:

April 4, 2019

2016-2018 QX60; MIL ON WITH DTC P2097, P2099, P0171 AND/OR P0174

APPLIED VEHICLES: 2016 – 2018 QX60 (L50)
APPLIED VIN // DATE: 2016 – 2017 QX60: All
2018 QX60: Built before 5N1(*)L0M(**)JC 529587 // March 12, 2018
APPLIED ENGINE: VQ35DE ONLY

IF YOU CONFIRM

The MIL is ON with one or more of the following Air/Fuel (A/F) Sensor DTCs stored:

- P0171 (Fuel Injection System Function)
- P0174 (Fuel Injection System Function)
- P2097 (A/F SENSOR 1)
- P2099 (A/F SENSOR 1)

ACTION

1. Perform the appropriate diagnostic procedure outlined in the Electronic Service Manual (ESM).
2. Refer to **Table A** on the next page to confirm if Electronic Control Module (ECM) reprogramming is needed.

IMPORTANT: The purpose of ACTION (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire SERVICE PROCEDURE as it contains information that is essential to successfully completing this repair.

Infiniti Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Infiniti retailer to determine if this applies to your vehicle.

SERVICE PROCEDURE

1. Refer to the ESM and perform the appropriate diagnostic procedure.

2. Using C-III plus, confirm the current ECM part number and write it on the repair order.
 - If it matches one of the part numbers in **Table A**, below, proceed to step 3 on page 4 to reprogram the ECM.
 - If there is no match, no further action is required.

Table A

MODEL	YEAR	CURRENT ECM PART NUMBER: 23710-
QX60	2016	9NF0A, 9NF0B 9NF1A, 9NF1B 9NF2A, 9NF2B 9NF3A, 9NF3B 9NF4A, 9NF4B 9NF5A, 9NF5B 9NF6A, 9NF6B 9NF7A, 9NF7B
	2017	6JA3A, 6JA4A, 6JA5A, 6JA7A, 6JA8A, 6JA9A 6JA3B, 6JA4B, 6JA5B, 6JA7B, 6JA8B, 6JA9B 9NJ1A, 9NJ2A 9NJ1B, 9NJ2B
	2017.5	3JR9A, 3JS9A 9NC5A, 9NC6A, 9NC7A, 9NC8A, 9NC9A 9ND9A
	2018	9NP0A, 9NP0B 9NP1A, 9NP1B 9NP2A, 9NP2B 9NP3A, 9NP3B 9NP4A, 9NP4B 9NP5A, 9NP5B 9NP6A, 9NP6B 9NP7A, 9NP7B 9NP8A, 9NP8B 9NP9A, 9NP9B 9PF8A, 9PF8B

IMPORTANT: Before starting the reprogramming procedure, make sure:

- ASSIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) software updates (if any) have been installed.
- The CONSULT PC is connected to the Internet (Wi-Fi or cable).

NOTE:

- If you are not familiar with the reprogramming procedure, *click here*. This will link you to the "CONSULT- III plus (C-III plus) ECM Reprogramming" general procedure.
- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learn (IAVL) conditions:
 - Engine coolant temperature: 70 -100°C (158 - 212°F)
 - Battery voltage: More than 12.9V (At idle)
 - Transmission: Warmed up
- After reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.



Figure A

CAUTION:

- Connect the GR8 to the 12V battery and select ECM Power Supply Mode. If the vehicle battery voltage drops below 12.0V or above 15.5V during reprogramming, the ECM may be damaged.
- Be sure to turn OFF all vehicle electrical loads. If a vehicle electrical load remains ON, the ECM may be damaged.
- Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the ECM may be damaged.
- Turn OFF all external Bluetooth® devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth® signal waves are within range of the CONSULT PC during reprogramming, reprogramming may be interrupted and the ECM may be damaged.

3. Reprogram the ECM.

4. After completing Erase ALL DTCs, print a copy of the C-III plus screen showing the before and after part numbers of the control unit and attach it to the repair order.

CLAIMS INFORMATION

Submit a Primary Part (PP) line claim using the following claims coding:

DESCRIPTION	OP CODE	PFP	SYM	DIAG	FRT
Reprogram ECM	DE97AA	(1)	ZE	32	(2)

(1) Refer to the electronic parts catalog, and use the ECM assembly part number (23703-*****) as the Primary Failed Part (PFP).

(2) Reference the Infiniti Warranty Flat Rate Manual and use the indicated flat rate time.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
April 4, 2019	ITB19-010	Original bulletin published