

Classification:

EC19-026

Reference:

ITB19-022

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Date:

August 27, 2019

2017-2019 QX60; MIL ON WITH DTC P0087 STORED

APPLIED VEHICLES: 2017-2019 QX60 (L50)

IF YOU CONFIRM

The Malfunction Indicator Light (MIL) is ON with Diagnostic Trouble Code (DTC) P0087 (FRP CONTROL SYSTEM) stored in the Engine Control Module (ECM),

AND

The fuel level indicates $\frac{1}{4}$ or less.

ACTION

Reprogram the ECM, if applicable.

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

Reprogram the ECM

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 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, it is required to perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC Erase.



Figure 1

CAUTION

- Connect a battery maintainer or smart charger set to reflash mode or a similar setting. 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 plus VI. If Bluetooth® signal waves are within range of the CONSULT PC and the plus VI during reprogramming, reprogramming may be interrupted and the ECM may be damaged.

1. 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**, reprogram the ECM.
 - If it does not match any of the part numbers in **Table A**, this bulletin does not apply. Go back to ASIST for further diagnostic and repair information.

Table A

MODEL	CURRENT ECM PART NUMBER: 23710-
2017 QX60	3JR9A, 3JR9B, 3JS9A, 3JS9B 6JA3A, 6JA3B, 6JA3C, 6JA4A, 6JA4B, 6JA4C, 6JA5A, 6JA5B, 6JA5C 6JA7A, 6JA7B, 6JA7C, 6JA8A, 6JA8B, 6JA8C, 6JA9A, 6JA9B, 6JA9C 9NC5A, 9NC5B, 9NC6A, 9NC6B, 9NC7A, 9NC7B, 9NC8A, 9NC8B 9NC9A, 9NC9B, 9ND9A, 9ND9B 9NJ1A, 9NJ1B, 9NJ1C, 9NJ2A, 9NJ2B, 9NJ2C
2018 QX60	9NP0A, 9NP0B, 9NP0C, 9NP1A, 9NP1B, 9NP1C, 9NP2A, 9NP2B, 9NP2C 9NP3A, 9NP3B, 9NP3C, 9NP4A, 9NP4B, 9NP4C, 9NP5A, 9NP5B, 9NP5C 9NP6A, 9NP6B, 9NP6C, 9NP7A, 9NP7B, 9NP7C, 9NP8A, 9NP8B, 9NP8C 9NP9A, 9NP9B, 9NP9C, 9PF8A, 9PF8B, 9PF8C
2019 QX60	9NM0B, 9NM1B, 9NM2B, 9NM3B, 9NM4B, 9NM5B, 9NM6B, 9NM7B 9NR0A, 9NR0B, 9NR0E, 9NR2A, 9NR2B, 9NR2E, 9NR3A, 9NR3B, 9NR3E 9NR4A, 9NR4B, 9NR4E, 9NR6A, 9NR6B, 9NR6E, 9NR7A, 9NR7B, 9NR7E 9NR8A, 9NR8B, 9NR8E

2. 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) type line claim using the following claims coding:

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

- (1) Reference the electronic parts catalog, and use the ECM part number (23703-*****) as the Primary Failed Part (PFP).
- (2) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
August 27, 2019	ITB19-022	Original bulletin published

