

Classification:

EC20-009

Reference:

ITB20-007

COPYRIGHT© NISSAN NORTH AMERICA, INC.

Date:

March 3, 2020

MIL ON WITH DTC P0087

APPLIED VEHICLES: 2019 QX80 (Z62)

IF YOU CONFIRM

The MIL is ON and DTC P0087 (FRP CONTROL SYSTEM) is stored in the ECM.

ACTION

1. Perform the appropriate diagnostic and repair procedure according to the ESM.
2. Reprogram the ECM, if applicable.
 - The ECM reprogram in this Service Procedure is not a repair for the DTC, but instead updates the way the permanent DTC is stored and allowed to be erased. The DTC must be properly diagnosed and repaired before the reprogram is applied.

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. Diagnose and repair the vehicle, per the ESM, for DTC P0087.
2. Using CONSULT-III plus (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, proceed to step 3 on page 3 to reprogram the ECM.
 - If it does not match one of the part numbers in Table A, ECM reprogramming is not needed. This procedure is complete.

Table A

MODEL	YEAR	CURRENT ECM PART NUMBER: 23710-
QX80	2019	6JB0B, 6JB0C, 6JB1B, 6JB1C 6JB2B, 6JB2C, 6JB3B, 6JB3C

NOTICE

Perform the following before starting the reprogramming procedure to prevent damage to the control unit:

- Connect the AC Adapter to the CONSULT PC.
- Connect the CONSULT PC to the internet via Wi-Fi or a network cable.
- Ensure ASIST on the CONSULT PC has been synchronized (updated) to the current date and all C-III plus software updates (if any) have been installed.
- 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, the reprogramming may be interrupted.
- Turn OFF all vehicle electrical loads.
- Connect a battery maintainer or smart charger, set to reflash mode or a similar setting, to ensure the battery voltage stays between 12.0 V and 15.5 V.

HINT:

- 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 Learning conditions:
 - Engine coolant temperature: 70 - 100 °C (158 - 212 °F)
 - Battery voltage: More than 12.9 V (At idle)
 - Transmission: Warmed up
- When reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learning, Accelerator Closed Position and DTC Erase.

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) type line claim using the following claims coding:

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

- (1) Reference the electronic parts catalog and use the ECM 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
March 3, 2020	ITB20-007	Original bulletin published

