INFINITI SERVICE BULLETIN

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Classification:	Reference:	Date:
EC18-009a	ITB18-013a	May 8, 2018

2017-2018 QX60; MIL ON WITH DTC P219F

This bulletin has been amended. ECM P/Ns have been added to Table A.
No other changes have been made. Discard all previous versions of this bulletin.

APPLIED VEHICLES: 2017-2018 QX60 (L50)
APPLIED ENGINE: VQ35DD (direct injection)

IF YOU CONFIRM

The MIL is ON with DTC P219F (AIR-FUEL RATIO IMBALANCE [CYLINDER 4]) stored,

And

There are no drivability issues.

ACTION

1. Refer to step 6 in the SERVICE PROCEDURE to confirm this bulletin applies to the vehicle you are working on.
2. If this bulletin applies, reprogram the ECM.

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, make sure:

- ASIST 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:

- Most instructions for reprogramming with C-III plus are displayed on the CONSULT PC screen.
- 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. The above conditions are required for the IAVL to complete.



Figure A

CAUTION:

- Connect the GR8 to the 12V battery and select ECM Power Supply Mode.
  If the vehicle battery voltage goes 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 plus VI. If Bluetooth® signal waves are within range of the CONSULT PC and plus VI during reprogramming, reprogramming may be interrupted and the ECM may be damaged.

1. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.

2 Start C-III plus.

3. Wait for the plus VI to be recognized.

   - The serial number will display when the plus VI is recognized.

4. Select Re/programming, Configuration.

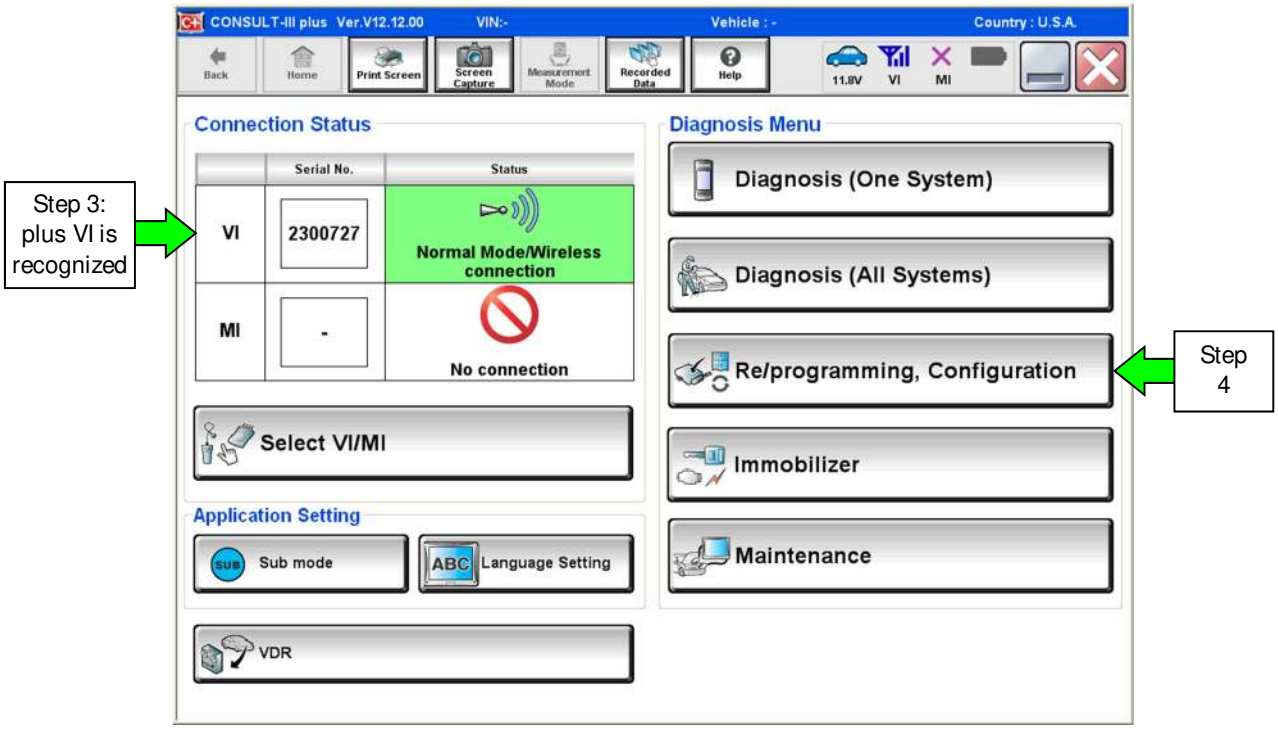


Figure 1

5. Follow the on-screen instructions and navigate C-III plus to the screen shown in Figure 2 on the next page.

6. When you get to the screen shown in Figure 2, confirm this bulletin applies as follows:

   A. Find the ECM Part Number and write it on the repair order.

      NOTE: This is the current ECM Part Number (P/N).

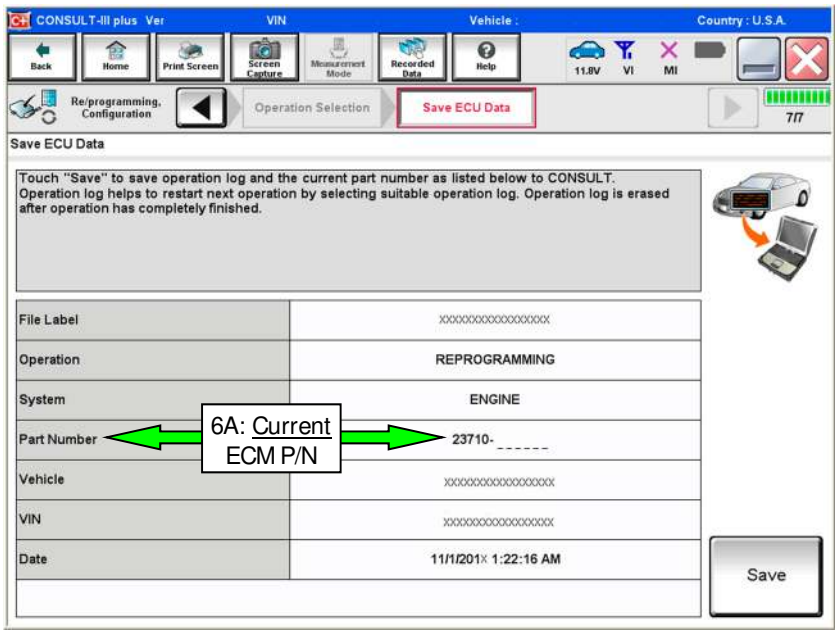


Figure 2

   B. Compare the P/N you wrote down to the numbers in the CURRENT ECM PART NUMBER column in Table A below.

   - If there is a match, this bulletin applies. Continue with the reprogramming procedure.
   - If there is not a match, this bulletin does not apply. Close C-III plus and refer to ASIST for further diagnostic information.

Table A

MODEL	CURRENT ECM PART NUMBER: 23710-
2017 QX60	3JR9A
	3JS9A
	9NC5A, 9NC6A, 9NC7A, 9NC8A, 9NC9A
	9ND9A
2018 QX60	9NP2A, 9NP2B
	9NP3A, 9NP3B
	9NP0A, 9NP1A
	9NP0B, 9NP1B
	9NP4A, 9NP5A, 9NP6A, 9NP7A, 9NP8A, 9NP9A
	9NP4B, 9NP5B, 9NP6B, 9NP7B, 9NP8B, 9NP9B
	9PF8A
	9PF8B

7. Follow the on-screen instructions to navigate C-III plus and reprogram the ECM.

NOTE:

- In some cases, more than one new P/N for reprogramming is available.
  - In this case, the screen in Figure 1 displays.
  - Select and use the reprogramming option that does not have the message “Caution! Use ONLY with ITBXX-XXX”.
- If you get this screen and it is blank (no reprogramming listed), it means there is no reprogramming available for this vehicle. Close C-III plus and refer back to ASIST for further diagnosis.

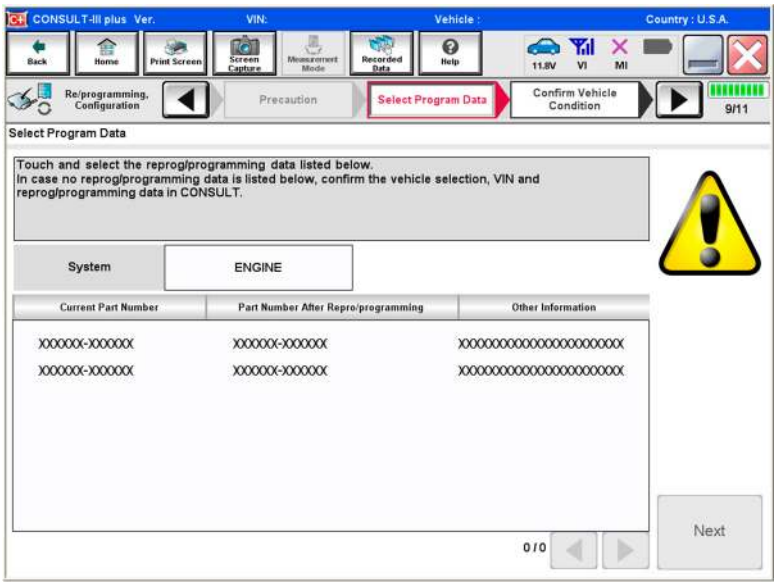


Figure 3

- Before reprogramming will start, you will be required to enter your User Name and Password.
  - The CONSULT PC must be connected to the Internet (Wi-Fi or cable).
  - If you do not know your User Name and Password, contact your Service Manager.

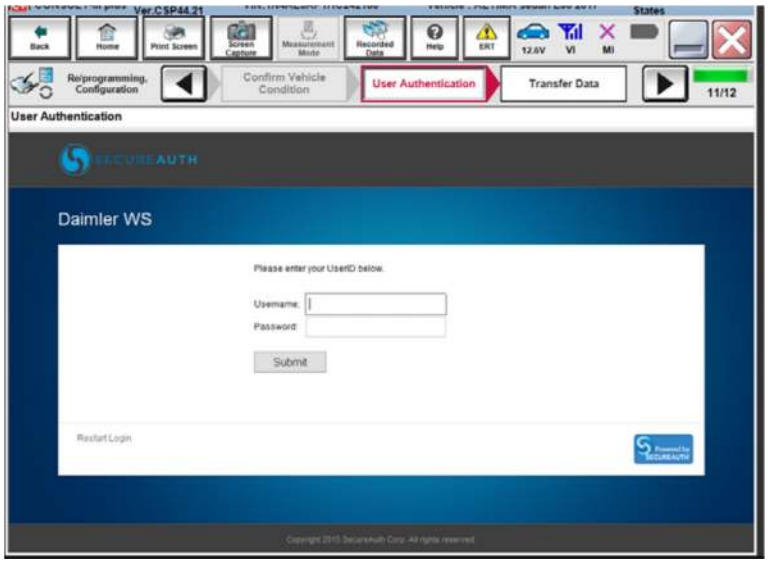


Figure 4

8. When the screen in Figure 5 displays, reprogramming is complete.

   NOTE: If the screen in Figure 5 does not display (indicating that reprogramming did not complete), refer to the information on the next page.

9. Disconnect the GR8 from the vehicle.

10. Select Next.

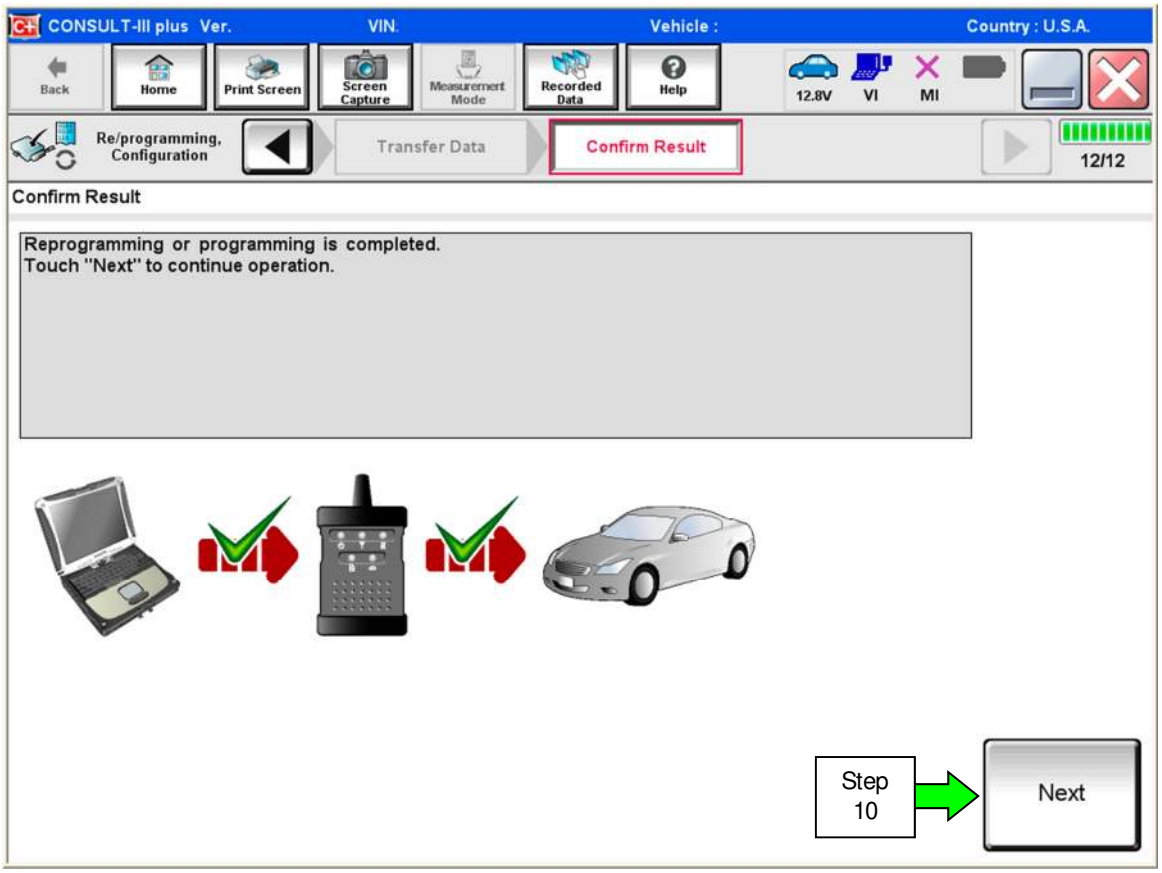


Figure 5

NOTE:

- In the next steps, starting on page 8, you will perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.

- These operations are required before C-III plus will provide the final reprogramming confirmation report.

ECM recovery:

Do not disconnect plus VI or shut down Consult III plus if reprogramming does not complete.

If reprogramming does not complete and the "!?" icon displays as shown in Figure 6:

- Check battery voltage (12.0–15.5 V).
- Ignition is ON, engine OFF.
- External Bluetooth® devices are OFF.
- All electrical loads are OFF.
- Select retry and follow the on screen instructions.
- "Retry" may not go through on first attempt and can be selected more than once.

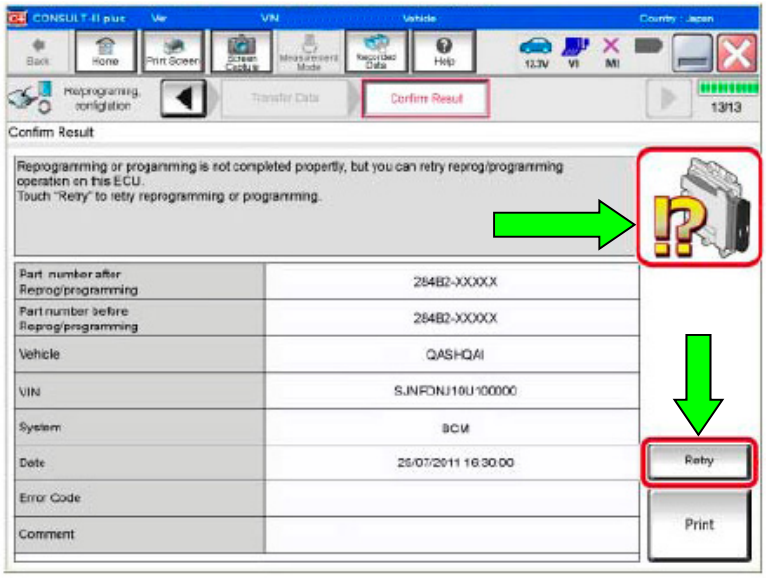


Figure 6

If reprogramming does not complete and the "X" icon displays as shown in Figure 7:

- Check battery voltage (12.0 – 15.5 V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, engine OFF.
- Transmission is in Park.
- All C-III plus / VI cables are securely connected.
- All C-III plus updates are installed.
- Select Home, and restart the reprogram procedure from the beginning.

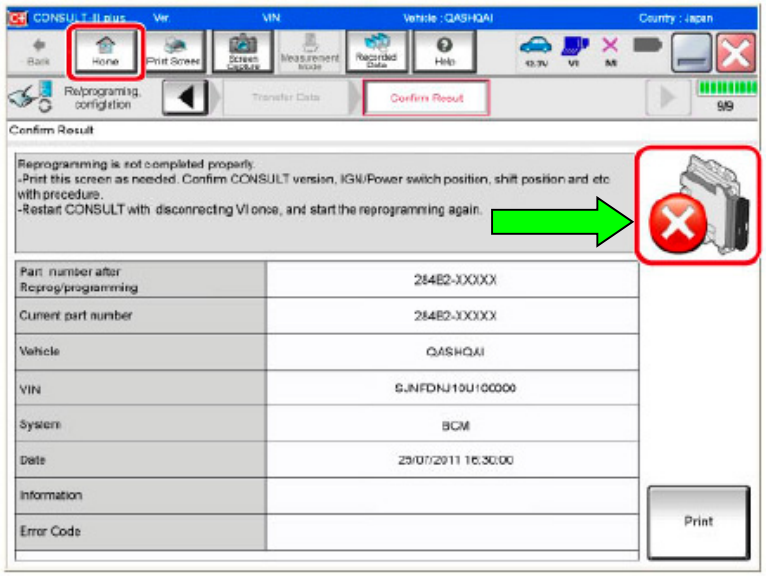


Figure 7

11. Follow the on-screen instructions to perform the following:

- Throttle Valve Closed Position
- Idle Air Volume Learn (IAVL)

  NOTE:

  - Listed below are common conditions required for IAVL to complete.
  - If IAVL does not complete within a few minutes, a condition may be out of range.
  - Refer to the appropriate Electronic Service Manual (ESM) for specific conditions required for the vehicle you are working on.
    - Engine coolant temperature: 70 -100° C (158 - 212°F)
    - Battery voltage: More than 12.9V (At idle)
    - Selector lever: P or N
    - Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
    - Steering wheel: Neutral (Straight-ahead position)
    - Vehicle speed: Stopped
    - Transmission: Warmed up

- Accelerator Pedal Close Position Learning
- Erase DTCs

Continue to the next page.

12. When the entire reprogramming process is complete, the screen in Figure 8 will display.

13. Verify the before and after part numbers are different.

14. Print a copy of this screen (Figure 8) and attach it to the repair order for warranty documentation.

15. Select Confirm.

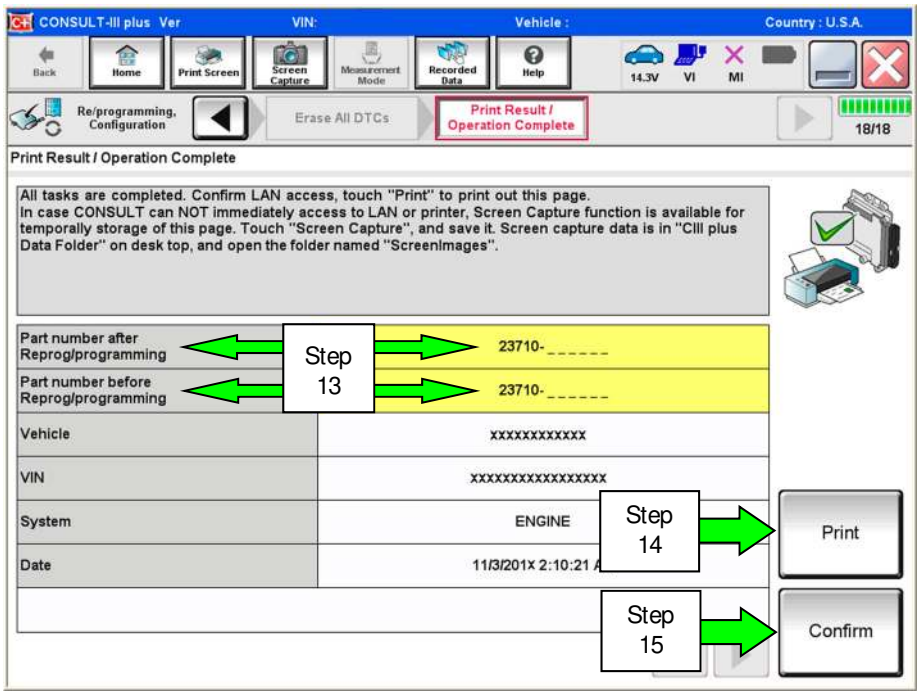


Figure 8

16. Close C-III plus.

17. Turn the ignition OFF.

18. Disconnect the plus VI from the vehicle.

CLAIMS INFORMATION

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

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

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

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