

SERVICE BULLETIN

Classification: EC18-009 Reference: ITB18-013 COPYRIGHT© NISSAN NORTH AMERICA, INC Date:

March 22, 2018

2017-2018 QX60; MIL ON WITH DTC P219F

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 <u>entire</u> **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 <u>12.0V or above 15.5V</u> during reprogramming, <u>the ECM may be damaged</u>.
- 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 <u>the ECM may be damaged</u>.

- 1. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.
- Start C-III plus. 2
- 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.

	CONSULT-III plus Ver.V12.12.00 VIN:- Uack Home Print Screen Corpore Corpore	Vehicle :- Country : U.S.A
	Connection Status	Diagnosis Menu
Chan 2	Serial No. Status	Diagnosis (One System)
Step 3: plus VI is recognized	VI 2300727 Normal Mode/W connection	
	MI - ON CONNection	Step
	Select VI/MI	Immobilizer
	Application Setting Sub mode ABC	e Setting Maintenance
	VDR	
		Figure 1

Figure I

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 <u>current</u> ECM Part Number (P/N).

CONSULT-III plus Ver	VIN	Vehicle .	1. The second	Country : U.S.A.
Back Bone Print Screen	Screen Capture	Recorded Data	11.8V VI	MI 🗖 📃 🔀
Re/programming, Configuration	Operation Selection	Save ECU Data		7/7
Save ECU Data				
Touch "Save" to save operation Operation log helps to restart nu after operation has completely fi File Label	ext operation by selecting		ration log is erase	
Operation		REPROGRAMMIN	G	
System		ENGINE		
Part Number	6A: <u>Current</u> ECM P/N	23710		
Vehicle		000000000000000000000000000000000000000	x	
VIN		30000000000000000	×	
Date		11/1/201X 1:22:16 A	M	Save
2				

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

MODEL	CURRENT ECM PART NUMBER: 23710-		
	3JR9A		
2017 OX60	AP2LE		
2017 0200	9NC5A, 9NC6A, 9NC7A, 9NC8A, 9NC9A		
	9ND9A		
2018 OX60	9NP2A, 9NP2B		
2010 QAOU	9NP3A, 9NP3B		

Table A

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 <u>does not</u> have the message "Caution! Use ONLY with NTBXX-XXX".
- If you get this screen and it is <u>blank</u> (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.

CONSULT-III	plus Ver.	MIN:	Vehicle		Country : U.S.A.
Anaca He	Print Screen	Screen Capture	Resorded Data		
Config	ramming, puration	Preseulion	Select Program Da	Confirm Vehicle Condition	9/11
Select Program (Data				
In case no repr	rog/programming d nming data in CONS	pramming data listed be ata is listed below, conf SULT. ENGINE		on, VIN and	
Currani P	art Number	Part Number Alter Rep	rs/programming	Other Information	
xxxxxxx-xxx xxxxxxxx-xxx		x00000-30000X x0000-30000X		000000000000000000000000000000000000000	
				610	Next

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.

Ver.CSP44.21	THE INCLUSION INCLUSION		1	States
Back Rome Print Screen	Survey Capture	Perip AL	12.5V VI MI	-
Re/programming.	Confirm Vehicle User A	Authentication	Transfer Data	11/12
er Authentication				
Secondari				
Daimler WS				
1.0	Please enter your UserD below			
	Usemame, [
	Password			
	Submit			
RestartLoom				6
				Recordered

Figure 4

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

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

- 9. Disconnect the GR8 from the vehicle.
- 10. Select Next.

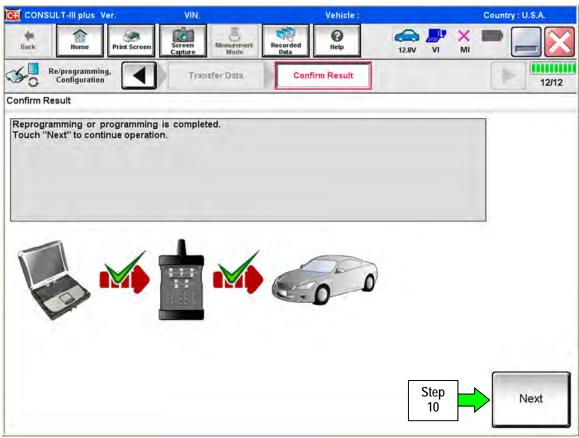


Figure 5

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.

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

If reprogramming does <u>not</u> 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 <u>retry</u> and follow the on screen instructions.
- <u>"Retry" may not go through on first</u> <u>attempt and can be selected more</u> <u>than once</u>.

	VN	Vables	Country Jacom
Base Hone Print Scorer	action Maria Maria		P 🗙 📼 🥅 🔀
So responsansing.	Same para de la	entime Based	13/13
Confirm Result			
Reprogramming or progamming is no operation on this ECU. Touch "Reny" to retry reprogramming		an retry reprog/programming	⇒ 🔊
Part number after Replog/programming		25482-XXXXX	
Part number before Reprogramming		284B2-XXXXX	
		28482-XXXXX QÁSHQAI	
Reprog/programming			
Reprog/programming Vehicle	8	QASHQAI	
Reprogramming Vehicle VIN		QASHQAI	Retry
Reprogreegramming Vehicle VIN System		QASHQAI SJNFDNJ10U100000 BCM	Retry

Figure 6

If reprogramming does \underline{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 <u>Home</u>, and restart the reprogram procedure from the beginning.

CONSULT-ILIBUS Wr.	VIN Vehicle (QASHQAI	County Haden
a Rebrossming	Create Arms of years of Magnitude Program Converting Co	
onfirm Rosult		2
with precedure.	any CMSULT version, IGN/Power switch position, shift positio VI onse, and start the reprogramming again	
Part manager after	284E2-XXXXX	
Reprog/programming		
	28482-3XXXX	
Current part number		
Cument part number Velscle	284E2-JXXXX	
Reprogramming Current part number Velsicle Villi System	28482.3XXXX Q48HQAI	
Current part number Volscle VIN	28482.37X3XX QASHQAI SUNFDINJ19U100000	
Cumont part number Valsole VIN System	24482-37X3XX GASHQAI S-4NFDH319U1000000 BCM	

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)
 - o Battery voltage: More than 12.9V (At idle)
 - o Selector lever: P or N
 - Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
 - Steering wheel: Neutral (Straight-ahead position)
 - Vehicle speed: Stopped
 - o 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.

	VIN	Vehicle :	Country : U.S.A.
the thome Print Screen	Screen Model	Recorded Help 14.30	, 🚚 💥 📟 🔜 🔀
Re/programming.	Erase All DTCs	Print Result / Operation Complete	18/18
Print Result / Operation Complete			
All tasks are completed. Confirm in case CONSULT can NOT imme temporally storage of this page. T Data Folder" on desk top, and op	ediately access to LAN or p Fouch "Screen Capture", a	rinter, Screen Capture function is nd save it. Screen capture data is	
Part number after Reprog/programming	Step	23710	
Part number before Reprog/programming	13	23710	
Vehicle		XXXXXXXXXXX	
VIN		****	
System		ENGINE	- Drint
		14	
Date		11/3/201X 2:10:21 A	

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.