



Classification:

EC18-008

Reference:

Date: March 22, 2018

2017-2018 PATHFINDER; MIL ON WITH DTC P219F

NTB18-026

APPLIED VEHICLES:2017-2018 Pathfinder (R52)**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.

Nissan 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 Nissan dealer 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, <u>the ECM may be damaged</u>.
- Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and <u>the ECM may be damaged</u>.
- 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.
- 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.

	CONSULT-III plus Ver.V12.12.00 VIN:-	Vehicle :- Country : U.S.A. Recorded Data Mil X Image: Country : U.S.A.
	Connection Status	Diagnosis Menu
Sten 3:	Serial No. Status	Diagnosis (One System)
plus VI is recognized	VI 2300727 Normal Mode/Wireless connection	Diagnosis (All Systems)
	MI - No connection	Re/programming, Configuration
	Select VI/MI	Immobilizer
	Application Setting Sub mode ABC Language Setting	Maintenance
	VDR	
	<u> </u>	iqure 1

Figure

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 L		Country : U.S.A.
Back Rome Print Screen Str	een Mode Recor	rded Help	11.8V VI MI	
Configuration	peration Selection	Save ECU Data		7/7
Save ECU Data				
Touch "Save" to save operation log ar Operation log helps to restart next oper after operation has completely finished.	id the current part numb ration by selecting suitab	er as listed below to C ble operation log. Opera	ONSULT. tion log is erased	
File Label		x0000000000000000		
Operation		REPROGRAMMING		
System		ENGINE		1
Part Number 6A: C	Current M P/N	> 23710-		
Vehicle		x00000000000000000		
VIN		100000000000000000000000000000000000000		
Date		11/1/201X 1:22:16 AM	1	Save
	ń.			Gave
I				

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.

Table A

MODEL	CURRENT ECM PART NUMBER: 23710-			
2017 Pathfinder	9PG0A, 9PG1A, 9PG2A, 9PG3A			
	9PM0A, 9PM0B			
	9PM1A, 9PM1B			
2018 Pathfinder	9PM2A, 9PM2B			
	9PM3A, 9PM3B			
	9PM4A, 9PM4B			

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 3 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
Back Barne Print Stree	en Seren Mensravier Rece	ordett Bergin 11.2V	Y1 🗙 📼 🔜 💽
Configuration	Preseutian	Select Program Data	Irm Vehicle
lect Program Data			
ouch and select the reprogip t case no reprogiprogrammin sprogiprogramming data in Cl	programming data listed below. g data is listed below, confirm th NNSULT.	e vehicle selection, VIN and	
Current Part Number	Part Number After Repro/prog	ramming Other Islo	rmation
x000xxx-x000xxx	X000000-X00000X	x0000000000000000000000000000000000000	000000000
		010	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.CSP4	121		St States St	lates
Bach Hume Print Sto	een Sizeen Shusterment Moder	d Rep AL	12.6V VI MI	
Re/programming, Configuration	Contirm Vehicle Us	er Authentication	Transfer Data	11/1
r Authentication				
Garage				
Concentration and				
Daimler W/S				
Daimerwo				1
	Please enter your UserID below.			
	Usemame: 1			
	Password			
	Submit			
Postart Loger			8	a ferrete
A.				
	and the second			

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.

ECM recovery:

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</u> <u>first attempt and can be</u> <u>selected more than once</u>.

* * * *		
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Non-	Certim Resol	13/13
Confirm Result		
Reprogramming or programming is not compli- operation on this ECU. Touch "Reny" to retry reprogramming or prog	eted propertly, but you can retry reprogriprogramming camming.	⇒ 🔊
Part number after Replog/programming	28482-9XXXX	
Part number before Reprogramming	28482-XXXXX	
Vehicle	QASHQAI	
VIN:	SJNFDNJ10U100000	
System	рси	
Døte	26/07/2011 16:30:00	Retry
Error Qode		
Comment		Print

Figure 6

If reprogramming does <u>not</u> 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-IL BUS Wr.	VIN	Vehicle (CASHQA)	County Hadan
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Gangelion		Currint Resul	99
Confirm Rosult			
Reprogramming a red complete -Print this screen as needed. Cer with procedure. -Restain CONSULT with disconne	I property affirm CONSULT version acting VI onse, and start	. IGN/Power switch position, shift posr the reprogramming again	son sed etc
Part number after Reprog/programming		28482-XXXXX	
Cunent part number		28482-3XXXX	
Vehicle		DASHOAI	
VIN		SUNFDNJ10U100000	
System		BCM	
Date		25/07/2011 16:30:00	
Information			[]
Error Code			Print

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)
 - 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
 - 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.

CONSOLT-III plus Ver	VIN:	Vehicle :		Country : U.S.A.
hack Nome Print Scree	en Screen Monte	Recorded Data	14.3V VI	× = _ X
Re/programming.	Erase All DTCs	Print Result / Operation Complete		18/18
int Result / Operation Complete	e			
emporally storage of this page Data Folder" on desk top, and o	e. Touch "Screen Capture", a open the folder named "Scre	and save it. Screen capture d enimages".	ata is in "Cill plu	15
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rar number arter Reprog/programming Part number before Reprog/programming Vehicle VIN	Step 13	23710 23710 xxxxxxxxxx xxxxxxxxxx xxxxxxxxxx	Step	Print
rar number atter Reprog/programming Part number before Reprog/programming Vehicle VIN System Date	Step 13	23710 23710 XXXXXXXXXX XXXXXXXXXXXX ENGINE 11/3/201X 2:10:21 A	Step 14	Print
Part number before Reprog/programming Vehicle //IN System	Step 13	23710 23710 xxxxxxxxxx xxxxxxxxxxxxxxxxxxxxx	Step 14 Step	Print

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 Nissan Warranty Flat Rate Manual and use the indicated flat rate time.