

# **QUALITY ACTION**

CAMPAIGN

## Engine Control Module (ECM) Reprogram Dealer Inventory

Reference: PC816 Date: July 16, 2021

### Attention: Dealer Principal, Sales, Service & Parts Managers

Affected Models/Years:	Affected	Dealer	SERVICE COMM	Stop Sale
	Population:	Inventory:	Activation date:	In Effect
MY2022 Pathfinder (R53)	NA	2,117	July 16, 2021	YES

#### \*\*\*\*\*Dealer Announcement\*\*\*\*\*

Nissan is conducting a dealer inventory quality action to update the Engine Control Module (ECM) software on **2,117** specific MY2022 Nissan Pathfinder vehicles identified in Service Comm and National Service History – Open Campaigns. This Engine Control Module (ECM) reprogram is intended to improve the idle stop/start (ISS) functionality.

Affected vehicles **are subject** to stop sale and are either currently in dealer inventory or assigned and in transit to the dealer.

#### \*\*\*\*\*What Dealers Should Do\*\*\*\*\*

### PLEASE FOLLOW THE ATTACHED INSPECTION INSTRUCTIONS:

- Verify if vehicles are affected by this quality action using Service Comm or DBS National Service History – Open Campaigns I.D. <u>PC816</u>
  - New vehicles in dealer inventory can also be identified using DBS (Sales-> Vehicle Inventory, and filter by Open Campaign).
    - Refer to NPSB 15-460 for additional information
  - Please continue to check newly arriving inventory for campaign applicability.
- 2. Please <u>do not drive, loan, sell or trade</u> the specific vehicles in dealer inventory subject to this quality action.
- 3. Use the attached procedure to remedy any vehicles affected by this quality action prior to sale.
- 4. Once remedied, dealers should submit the applicable warranty claim for the action performed so it can be closed in Service Comm and release the vehicle for sale.

#### \*\*\*\*\* Dealer Responsibility \*\*\*\*\*

It is the dealer's responsibility to check Service Comm or DBS National Service History – Open Campaign using the appropriate campaign I.D for the inspection status on each affected vehicle currently in new vehicle inventory.



# PC816 – 2022 PATHFINDER ISS ECM REPROGRAM

### **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 CONSULT-III plus (C-III plus) are displayed on the CONSULT PC screen
- 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



Figure A

# NOTICE

- Connect a battery maintainer or smart charger to the 12V battery. 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 or the plus VI during reprogramming, reprogramming may be interrupted and the ECM may be damaged.

Extended Storage Switch

- 1. Verify the extended storage switch is pushed **IN** (Figure 1).
  - a. Turn the ignition OFF.
  - b. Open the driver door and leave it open.
  - c. Locate the interior fuse panel under driver's side dash.
  - d. Push the extended storage switch IN.
  - e. Wait at least 2 seconds.
  - f. Turn the ignition ON.
  - g. Make sure the extended storage warning message is not displayed in the combination meter/display.



**NOTE:** The engine cooling fans may turn ON during the reprogramming process.

- 2. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.
- 3. Start C-III plus.
- 4. Wait for plus VI to be recognized/connected.
  - The serial number will display when the plus VI is recognized/connected
- 5. Select Re/programming, Configuration.

	CONSUL I-III Ver plus Ver Back Home Pr	211.51 VIN:- CSP48.30 VIN:- intScreen Capture nt Mode	Vehicle :- Recorded Data Vehicle :- IA.5V	Country : United States VI MI	
VI is recognized	Back Home Pr Connection Stat Serial No. VI 232665 2 MI - Select VI	INScreen NScreen NScreen Normal Mode/Wireless connection No connection No connection	Recorded Heb Heb ERT 14.5V 14.5V Diagnosis Menu Diagnosis (C Diagnosis (C Diagnosis (C Re/programm Configuration Immobilizer	VI MI Constraints (Constraints)	Step 5
	Application Settin	g	Maintenance	,	

Figure 2

6. Follow the on-screen instructions and navigate the C-III plus to the screen in Figure 3.

CONSULT-III Ver.211.51 VIN Dius Ver.CSP48.30 VIN	:5N1DR3600000202202	Vehicle : PATH	IFINDER R53	3 2022	Country : United States		
Back Home PrintScreen	Measureme nt Mode	P ERT	14.4V VI	× MI			
Configuration	tion Selection Save	ECU Data			7/7		
Save ECU Data							
Touch "Save" to save operation log a Operation log helps to restart next op is erased after operation has comple	and the current part nu peration by selecting s tely finished.	mber as listed be uitable operation	low to CON 1 log. Opera	SULT. tion log			
File Label	5N1D		48				
Operat	REF	ROGRAMMING	3				
Systen Step 7: <u>Current</u> E		ENGINE					
PartNumber		2376 <b>1,600,104,30</b> ,8					
Vehicle	R5:	3PATHFINDER					
VIN	5N1D	R3BØ <b>8N</b> &2027	48				
Date	7/13/	/2021 4:21:14 P	М				
	1				Save	Ste	эр

Figure 3

- 7. Write the current ECM Part Number shown in Figure 3 on the Repair Order.
- 8. Compare the P/N you wrote down to the numbers in the Current ECM Part Number column in Table A, below.
  - If there <u>is a match</u>, this bulletin applies. <u>Continue with the reprogramming</u> procedure by selecting Save.
  - If there is <u>not a match</u>, reprogramming is <u>not needed</u> or it has already been done. Refer to Service COMM to confirm this campaign applies to the vehicle you are working on

Model	Current ECM PART NUMBER: 23703-					
	6TA0A					
2022 Pathfinder	Current ECM PART NUMBER: 23761-					
	6TH0A, 6TH0B, 6TH0C, 6TH1A, 6TH1B, 6TH1C, 6TH2A, 6TH2B, 6TH2C, 6TH3A, 6TH3B, 6TH3C					

### **Table A**

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

CONSULT-III	Ver.211.51				Country : United
Offline operation screen					
Offline Menu					
[					1
1					
		Windows Security		×	
		Consult4			
		Connecting to as.na.nissan.biz.			
		User name			
		Password			
		Remember my credentials			
		OK	Cancel		
			cuncer		

Figure 4

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

**NOTE:** If the screen in Figure 5 does **not** display (reprogramming did not complete), refer to the ECM Recovery information on Page 9.

	Ver.211.51 Ver.CSP48.30	VIN:5N1DR3	(%2%)2%)% Veh	icle : PATH	FINDER R53	2022	Country : United States
Back Home	Print Screen	Screen Capture nt Mode	Recorded Data	ERT	14.5V VI	X I MI	
Configura	ming,	Transfer Data	Confirm Res	sult			14/14
Confirm Result							
Reprogramming Touch "Next" to	g or programmir continue opera	g is completed. tion.					
			0.5	0			
					Step 12		Next

Figure 5

- 11. Disconnect the battery charger from the vehicle.
- 12. Select Next.

## NOTE:

- In the next steps, 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
- 13. Follow the on-screen instructions to perform the following:
  - Throttle Valve Closed Position
  - Idle Air Volume Learn (IAVL)
  - Accelerator Pedal Close Position Learning
  - Erase DTCs

- 14. When the entire reprogramming process is complete, the screen Figure 6 will display.
- 15. Verify the before and after part numbers are different.
- 16. Print a copy of this screen (Figure 6) and attach it to the repair order for documentation.
- 17. Select Confirm, see claims information on Page 10.

CONSUL I - III Ver.211.51 plus V <u>er.CSP48.30</u> VIN	5N1DR3	2022 Country : United States
Back Home Print Screen	Measureme nt Mode	× = _ ×
Configuration	e All DTCs Print Result / Operation Complete	20/20
Print Result / Operation Complete		
All tasks are completed. Confirm LAN In case CONSULT can NOT immedia available for temporally storage of th capture data is in "CIII plus Data Fold "ScreenImages".	I access, touch "Print" to print out this page. tely access to LAN or printer, Screen Capture func is page. Touch "Screen Capture", and save it. Scree er" on desk top, and open the folder named	tion is an
Part number after Reprog/programming Part number before Reprog/programming	2376 X&XM38 2376 X&XM38	
Vehicle	R53 PATHFINDER	
VIN	5N1DR3BD <del>5NXX2027X05</del>	Print Step 16
System	ENGINE	
Date	7/13/2021 4:49:03 PM	Operation
	Step 17	Confirm

Figure 6

### **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 7:

- 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

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Bast Hore Print Scorer	Soles Holdsteiners	Solution	TZIN VI MI	
Son antigation	Strutte Date	Corline Result		1313
Confirm Result				
Reprogramming or progaritming is in operation on his ECU. Touch "Retry" to retry reprogrammin	ot completed property, but g or programming	you can retry reprogr	programming	R
Part number after Reprociprigramming		264B2-XXXX	x	
Part number Selore Reprog/programming		264B2-XXXXX		
Vehicle		QASHQAI		
	and the second se			
VIPa		SJNFON/10U10	000	
VIN System		SJNFDNJ10U10	0000	
VIN System Date		SJNFDNJ16U10 BCM 26/07/2011 16/3	0000	Patry
VIN System Date Error Code		SJNFONJ16U10 BCM 25/07/2011 16/3	000	Retry

Figure 7

# If reprogramming does not complete and the "X" icon displays as shown in Figure 8:

- 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

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Bun Hone Patt Screen	Nen Hintsteinert Po	Partial Help	🐺 🗧 💻 🔀
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Confirm Rosult			
Reprogramming is not completed prope "Print this screen as needed. Confirm C with precedure -Restain CONSULT with disconnecting (	nts CNSULT vension, IGN VI once, and start the r	Power switch position, shift position eprogramming again.	ard etc
Part number after Reprogramming		284B2-XXXXX	
		and a state of the second second	
Current part number		284E2-3XXXX	
Current part number Veticle		QASHQAI	
Current part number Vehicle Vin		QASHQAI GASHQAI SJNFDNJ19U100000	
Clument part number Vehicle Viti System		22462-3XXXX QASHQAI SJNFDHU19U100000 BCM	
Gurrent part number Vehicle Vity System Delte		224E2-3XXXX QASHQAI SJNEDKU10U100000 BCM 23/07/29/11 16:30:00	
Gurent part number Verticle VIN System Delle Information		224E2-3XXXX GASHGAJ SUNEDNJ10U100000 BCM 25/07/2011 16:30:00	

Figure 8

### • Select Home, and restart the reprogram procedure from the beginning

### **CLAIMS INFORMATION**

## Submit a "CM" line claim using the following claims coding:

Campaign ("CM") ID	Description:	Op Code	FRT
	Reprogram ECM	PC8160	0.4 Hr
PC010	Reprogram Not Needed	PC8161	0.3 Hr