

NISSAN BULLETIN Engine Control Module (ECM) Reprogramming Dealer Inventory Service Action

Reference: PC441 Date: March 16, 2016

Attention: Dealer Principal, Sales, Service & Parts Managers

Affected	Affected		SERVICE COMM
Models/Years:	Population:		Activation date:
MY16 Titan XD	N/A	~3,334	March 16, 2016

*****Dealer Announcement****

Nissan is conducting a dealer inventory service action to update the Engine Control Module (ECM) software on **3,334** specific 2016 Titan XD vehicles identified in Service Comm. On the affected vehicles, the software is being updated to refine the MIL illumination logic.

These vehicles are either currently in dealer inventory or assigned and in transit to the dealer.

*****What Dealers Should Do*****

PLEASE FOLLOW THE ATTACHED REPAIR INSTRUCTIONS:

- 1. Verify if vehicles currently in dealer inventory are affected by this inventory service action using Service Comm **I.D. PC441.**
 - <u>As a reminder new vehicles in dealer inventory can be also be identified</u> using DCS (Sales-> Vehicle Inventory, and filter by Open Campaign) or <u>Service Comm.</u>
- 2. Use the attached procedure to install the updated software.
- 3. The service department should submit the applicable warranty claim for the action performed so it can be closed on Service Comm and release the vehicle.

***** Dealer Responsibility *****

It is the dealer's responsibility to check Service Comm using the appropriate dealer service action I.D for the status on each affected vehicle currently in inventory. Nissan requests dealers to perform this repair on vehicles in inventory prior to being retailed to help ensure customer satisfaction.

NISSAN NORTH AMERICA, INC.

Aftersales DIVISION



NISSAN DEALER ACTION PC441 Titan XD ECM Reprogram

SERVICE PROCEDURE:

ECM Reprogramming:

NOTE:

- Most instructions for reprogramming with CONSULT-III plus (C-III plus) are displayed on the CONSULT PC screen.
- For the Titan XD Diesel, the GR8 set to ECM power supply mode can be attached to either 12 volt battery.

CAUTION:

- Connect the GR8 to the 12V battery and set to ECM power supply mode. If the vehicle battery voltage drops 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 plus 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 Open / start C-III plus.
- 3. Wait for the VI to be recognized.
 - The **Serial No.** will display when the VI is recognized. •
- 4. Select Re/programming, Configuration.

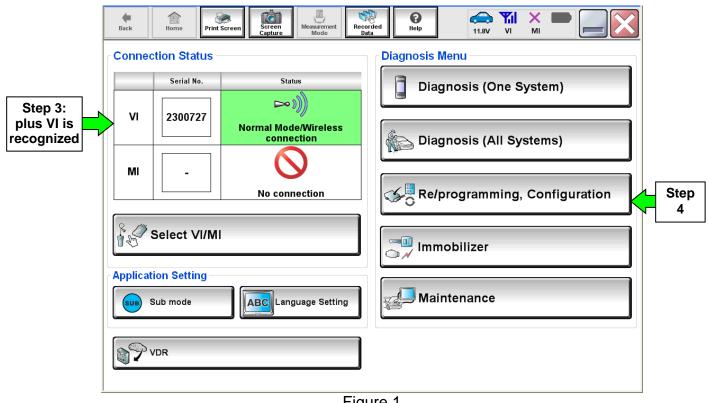


Figure 1

- 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 action 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).

Back Imme <th< th=""><th>Messarement Recorded Data</th><th></th></th<>	Messarement Recorded Data				
Save ECU Data					
Touch "Save" to save operation log and the current part number as listed below to CONSULT. Operation log helps to restart next operation by selecting suitable operation log. Operation log is erased after operation has completely finished.					
File Label	XXXXXXXXXXXXXXXXXXX				
Operation	REPROGRAMMING				
System Step 6A: <u>Current</u> ECM P/N 23710-3000000					
Part Number	23110-АЛКАЛИК				
Vehicle	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
VIN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
Date	XXXXXXXXXXXXXXXXX	Save			

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 action <u>applies</u>. Continue with the reprogramming procedure.
 - If there is <u>not a match</u>, this action <u>does not apply</u>.

Tabl	еA
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Model	Current ECM Part Number: 23710-
2016 Titan XD Cummins Diesel	EZ41C, EZ41D, EZ41E

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.
 - > If more than one new P/N is available, 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.

Back Re/programming, Configuration	Screen Screen Mode	Recorded Data Select Program Data	Confirm Vehicle Condition	9/11
	og/programming data listed be ming data is listed below, confi n CONSULT. ENGINE		/IN and	
Current Part Number	Part Number After Repr XXXXX-XXXXX XXXXX XXXXX	xxxxxxxxxx		
			010	Next
2		-igure 3		

8. When the screen in Figure 4 displays, reprogramming is complete.

NOTE: If the screen in Figure 4 does not display (indicating that reprogramming did not complete), refer to ECM recovery on the next page.

9. Disconnect the GR8 (battery charger) from the vehicle.

10. Select Next.

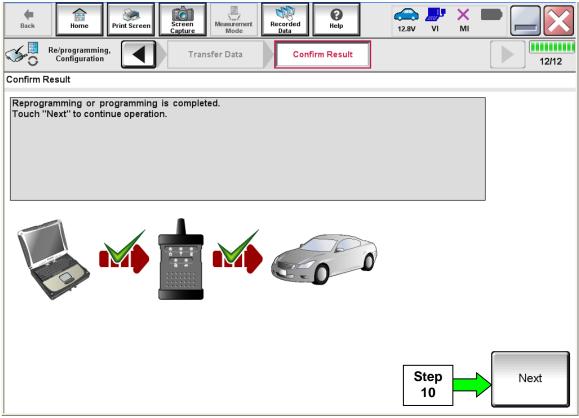


Figure 4

NOTE:

- In the next step, (page 6), you will perform DTC erase.
- This operation is required before C-III plus will provide the final reprogramming confirmation report.

ECM Recovery

Do not disconnect the VI or shut down C-III plus if reprogramming does not complete.

If reprogramming does <u>not</u> complete and the "?" icon displays as shown in Figure 5:

- 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>.

CONSULT-IL plus Ver	WN CONTRACTOR	Vabide -	Dounty : Japan
Bark Bone Print Screen	Satem Casture Casture Mode	Secondadi Data	12.3V VI MI
C reprograming.	Transfer Data	Confirm Resul	13
onfirm Result			
Reprogramming or progamming is n operation on this ECU. Touch "Reby" to retry reprogramming		but you can retry reprog	
Part: number after Reprociprogramming		28482-3330	CX
Part number before		28482-XXXX	CX
Part number sefure Reprog/programming		28482-XXXX QASHQAI	(X
Part number Sefore Reprog/programming Vehicle			
Part number before Reprog/programming Vehicle		QASHQAI	
Part number before Reprog/programming Vehicle VIN System Date		QASHQAI SJNFDNJ10U10	0000
Fart number before Reprograngersgramming Vehicle VIN		QASHQAI SJNFONJ10U10 BCM	0000

Figure 5

If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 6:

- 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.

	VIN: Vehicle ; QASHQAI	County : Japan
Bark Hone Print Screen	Nessenert Recorded Help	🚓 🝠 🗙 🖿 🔜 🔀
Configition	Transfer Data	999
onfirm Result		
Reprogramming is not completed property Print this screen as needed. Confirm CON with procedure. Restart CONSULT with disconnecting VI of	NSULT version, IGN/Power switch position, shift	position and etc
Part number after Reprog/programming	284B2-XXXXX	
Current part number	284E2-XXXXX	
Vehicle	QASHQAI	
VIN	SJNFDNJ10U100000	
System	BCM	
Date	25/07/2011 16:30:00	
Information		
		Print

Figure 6

11. Follow the on-screen instructions to Erase DTCs

- 12. When the entire reprogramming process is complete, the screen in Figure 7 will display.
- 13. Verify the before and after part numbers are different.
- 14. Print a copy of this screen (Figure 7) and attach it to the repair order for warranty documentation.
- 15. Select Confirm.

Back Print Screen Capture	Measurement Mode	3v VI MI				
Re/programming, Configuration	se All DTCs Print Result / Operation Complete	18/18				
Print Result / Operation Complete						
All tasks are completed. Confirm LAN access, touch "Print" to print out this page. In case CONSULT can NOT immediately access to LAN or printer, Screen Capture function is available for temporally storage of this page. Touch "Screen Capture", and save it. Screen capture data is in "CIII plus Data Folder" on desk top, and open the folder named "ScreenImages".						
Part number after Reprog/programming	tep 23710- Xix viatix					
	23710- X XXXXXXX					
Vehicle	2040370 2X					
VIN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
System	ENGINE	Step Print				
Date	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
	1/1	Step 15 Confirm				

Figure 7

16. Close C-III plus.

- 17. Turn the ignition OFF.
- 18. Disconnect the VI from the vehicle.
- 19. Test drive the vehicle and make sure it operates correctly and the MIL is OFF.
 - If the MIL comes ON, go back to ASIST for further diagnostic information.
 - Diagnosis and repairs beyond ECM reprogramming are not covered by this action.

CLAIMS INFORMATION:

Submit claim using the following claims coding:

Work Order Line Type: "CM" Campaign

Campaign: PC441

Claim Type:	-	M	-	
PNC:	PC	441		
Symptom:	ZZ			
Diagnosis:	99			
Description:	Op Codes	Flat Rate Time	Parts Required	Expense Code
			on claim	Required