

## NISSAN BULLETIN ECM Reprogram Dealer Inventory Service Action

Reference: PC465 Date: June 9, 2016

Attention: Dealer Principal, Sales, Service & Parts Managers

Affected	Affected	Dealer	SERVICE COMM
Models/Years:	Population:	Inventory:	Activation date:
MY16 Titan XD	N/A	~5,412	June 9, 2016

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

Nissan is conducting a dealer inventory service action to update the Engine Control Module (ECM) software on **5,412** 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. PC465.** 
  - <u>As a reminder new vehicles in dealer inventory can be also be identified</u> <u>using DCS (Sales-> Vehicle Inventory, and filter by Open Campaign) or</u> <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



## DEALER SERVICE ACTION PC465 - 2016 TITAN (A61) -ECM REPROGRAM #2

## SERVICE PROCEDURE

## Save Computer Data

- 1. Connect the CONSULT PC plus VI to the vehicle.
- 2. Open / start C-III plus.
- 3. Turn the ignition ON, with engine OFF (engine not running).
- 4. Wait for the plus VI to be recognized (Figure A).
  - The **Serial No.** will display when the plus VI is recognized.
- 5. Select Diagnosis (One System).

	Back	Home Print:	Screen Capture Messurement Re	Diagnosis Menu
Step 4: plus VI is recognized	VI MI	Serial No. 2300727 -	Normal Mode/Wireless	Diagnosis (One System) 5
	Applicat	Select VI/MI	No connection	Re/programming, Configuration
	، کھ	VDR		

Figure A

- 6. Navigate C-III plus to Engine > Work Support (see Figure B) by clicking **System Selection** to Engine.
- 7. Select SAVE COMPUTER DATA.
- 8. Select Start.

ver.CSP31.10			States
Back Home Print Screen Capture Mode	nt Recorded Data	Help ERT 12.3V V	
Diagnosis (One System)	ENGINE		
Self Diagnostic Data Monitor	support	Active Test	) tification
Test Item			
Reset fuel consumption short term log	Step 6	Engine serial number	
AFT maintenance			
Reset fuel and timing learn tables			
VIN REGISTRATION			
ENTER INJECTOR CODES	Stop	l	
SAVE COMPUTER DATA	7		
WRITE SAVED DATA			
RTCV actuator calibrate			Step 8
			Start
		1/1	

Figure B

## NOTE:

• After selecting Start, a screen message may appear that says:

## Latest diagnostic tool update must be used before saving the data, otherwise there is a risk that the data entry will not work.

• If the above message appears, select Continue.

- 9. Make sure the ignition is ON and the engine is OFF (engine not running).
- 10. Select Confirm.

Ver.CSP31.10			States
Back Rime Print Screen	Creen pture Mode Recorded	Help LERT 12.3V	YI X 🖿 📃 🔀
Diagnosis (One System) System Se	election ENGINE		
Work support : SAVE COMPUTER DATA	N		
Ignition on, engine stopped. This command must be used only wh It is used to save some data (including computer.Confirm to run the backup pr	ten replacing or reprogrammir the injector calibrations) so a rocedure.	ng the computer. s to load it automatically in	to the new Confirm
Current status			Step 10
			End

Figure C

11. Select End.



Figure D

### **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:
<ul> <li>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>.</li> </ul>
<ul> <li>Be sure to turn OFF all vehicle electrical loads.</li> <li>If a vehicle electrical load remains ON, <u>the ECM may be damaged</u>.</li> </ul>
<ul> <li>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>.</li> </ul>
<ul> <li>Turn off all external Bluetooth<sup>®</sup> devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the plus VI. If Bluetooth<sup>®</sup> signal waves are within range of the CONSULT PC during reprogramming, reprogramming may be interrupted and the ECM may be damaged.</li> </ul>

- 1. Return to the C-III- plus Home screen (see Figure 1, Page 5).
- 2 Confirm the ignition is ON, with engine OFF.
- 3. Confirm the plus VI is recognized.
  - The **Serial No.** will display when the plus VI is recognized.
- 4. Select **Re/programming, Configuration**.

	Back	Home Print	Screen Screen Mode Re	Image: Second ed Data     Image: Second ed Data     Image: Second ed Data       Image: Second ed Data     Image: Second ed Data     Image: Second ed Data       Image: Second ed Data     Image: Second ed Data     Image: Second ed Data
Step 3:		Serial No.	Status	Diagnosis (One System)
plus VI is recognized	MI	-	Normal Mode/Wireless connection	Diagnosis (All Systems)
	<u>}</u>	Select VI/MI	No connection	Re/programming, Configuration
	Applicat	ion Setting		Immobilizer
		VDR		

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

Back Home Print Screen Capture	Measurement Mode	11.8V VI MI	]×			
Configuration	ation Selection Save ECU Data		717			
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	DEDERCE DE	UQ0XXXX				
Operation	REPROGRAM	MING				
System Step 6 Current E0						
Part Number	23710-3674030	lex .				
Vehicle	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	19850XXX				
VIN	DERIGENERAL	1968%xx				
Date	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Sav	ve			
	E: 0					

#### 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 for EZ41C, EZ41D, EZ41E**; this bulletin applies. Continue with the reprogramming procedure.
  - If there is a **match for EZ42A**:
    - If vehicle has the confirmed symptom of "idle fluctuates when coming to a stop", this bulletin applies. Continue with the reprogramming procedure.
    - If DTC P020A F, P021A B, P060C, P2263 or P2048 was stored and no idle fluctuation; this bulletin **does not** apply. Close C-III plus and refer to ASIST for further diagnostic information.
    - If any of the DTC's listed below are present, this bulletin applies. Continue with the reprogramming procedure.
      - P020A F: Cylinder 1 6 Injection Timing
      - P021A B: Cylinder 7 8 Injection Timing
      - P060C: Internal Control Module Main Processor Performance
      - P2048: Reductant Injector Circuit Low
      - P207F: Reductant Quality Performance
      - P2263: Turbocharger Boost System Performance
      - P244D: Exhaust Temperature Too High For PF Regeneration
      - P061B: Internal Control Module Torque Calculation Performance
      - U0415: VDC CAN CIR2
      - P2483: Exhaust Gas Temperature Sensor Circuit Intermittent 1/5
      - P2BAD: NOx Concentration Exceeded
      - P1C55: NOx Sensor 1/1 Intermittent
      - P1C56: NOx Sensor 1/2 Intermittent
      - P229F: NOx Sensor 2
      - P064C: Glow Output Stage
      - And/Or at times, when coming to a stop, the idle fluctuates with the RPM dropping below 500 RPM.
  - If there is **<u>no 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-			
2016 Titan XD Cummins Diesel	EZ41C, EZ41D, EZ41E, EZ42A			

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. Close C-III plus and refer back to ASIST for further diagnosis.

Back Home Print Sci Re/programming, Configuration	reen Streen Measurement Screen Mode	Recorded Data	Data Confir Cor	VI MI	9/11
Select Program Data Touch and select the reprog In case no reprog/programmi reprog/programming data in (	/programming data listed bel ing data is listed below, confii CONSULT.	low. rm the vehicle selec	tion, VIN and		
System Current Part Number	ENGINE Part Number After Repr	o/programming	Other Inform	nation	
xxxxx-xxxxx xxxxx-xxxxx	xxxxx-xxxxx xxxxx xxxxx	XXXXXXXX XXXXXXXX	(XXXXXXXXXX (XXXXXXXXXXXXXXXXXXXXXXXXX	xxx xxx	
			010		Next

Figure 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 is completed), 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, Step 11 (page 10), 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 plus 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<sup>®</sup> 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>.

	VN CONTRACTOR	U. U. Vobide		ounity : Jesen
Bakt Bane Phrt Sceen	Linear Mode	Bacordad Data	NI VI MI	• 📃 🗙
Contraction Contraction	Transfer Cola	Corfirm Resul		13/13
Confirm Result				
Reprogramming or programming is to operation on this ECU. Touch "Retry" to retry reprogramming	t completed propertly, t or programming.	but you can retry reprog	programming	R
Part number after Reprogramming		28482-XXXX	x	
Part number before Reprog/programming		284B2-XXXX	x	
	QASHQAI			
Vehicle		QASHQAI		
Vehicle		QASHQ4I SJNFDNJ10U10	0000	
Vehicle VIN System		QASHQAI SJNFDNJ10U10 BCM	0000	
Vehicle VIN System Date		QASHQAI SJNFDNJ10U10 BCM 25/07/2011 163	000	Petry
Vehicle VIN System Date Error Code		QASHQAI SJNFONJ10U10 8CM 26/07/2011163	000	Patry

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.

CONSULT-ILBUS W.	VIN	Vehicle : QASHQAI	County : Japan
Bark Hone Print Screer	Screen Noose	Northed Help ex	🗟 🌉 💥 💻 🥅 🏹
Selprograming, Configlation	Transfer Data	Confirm Reput	► 999
onfirm Result			
Reprogramming is not completed po -Print this screen as needed. Confir with precedure. -Restart CONSULT with disconnector	operly. n CONSULT version, IGN ng VI once, and start the r	/Power switch position, shift por reprogramming again.	sition and etc
Part number after			
Reprog/programming		20402-22422	
Roprog/programming Current part number		28482-XXXXX	
Roprogramming Current part number Vehicle	_	284E2-XXXXX 284E2-XXXXX QASHQAI	
Reprog/programming Current part number Vahicle VIN		25482-3XXXX 25482-3XXXX QASHQAI SJNFDNJ19U100000	
Reprog/programming Current part number Valliscla VIIN System	-	28462-XXXXX 28462-XXXXX QASHQAI SJNFDNJ10U100000 BCM	
Reprog/programming Current part number Vahicle VIN System Dets		24482-XXXXX 28482-XXXXX QASHQAI SUNFDNJ19U100000 BCM 29101/291118:30:00	
Reprog/programming Current part number Vehicle VIN System Date Information		24482-3XXXX 24482-3XXXXX GASHQAI SUNEDINJ10U100000 BCM 25/01/2911116/30/00	

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 Home Print Screen Capture	Measurement Mode	lp ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓			
Re/programming, Configuration	ase All DTCs Print Resu Operation Con	lt / nplete	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	Step 23710	)-105x12167x			
Part number before Reprog/programming		)- <b>1/15/12/15</b> /X			
Vehicle	234	×30702%			
VIN	JMXAZXEK	384AM 801284			
System	EN	GINE Step	Print		
Date	XMX3728##	32X10X2013000X			
1/1 Step 1/1 Confirm					

Figure 7

16. Continue to the next page.

## Write Saved Data

- 1. Return to the C-III- plus Home screen, Figure 1A.
- 2. Confirm the ignition is ON, with engine OFF.
- 3. Confirm the plus VI is recognized.
  - The **Serial No.** will display when the plus VI is recognized.
- 4. Select Diagnosis (One System).

	Back Home	Print Screen	Screen Capture	Measurement Mode	Recorde Data	ed Help	11.8V		-	$\mathbf{X}$	
	Connection Status				Diagnosis Menu						
Step 3: plus VI is recognized	VI 2300727 No		Status			📋 Diagnosis (One System)					
					i -	Diagnosis (All Systems)					
	MI _										
			No coni	nection		C Re/	programm	ing, Con	figuration		
	Select VI/MI					Immobilizer					
	Application Se	le		guage Settin	g	<b>Ma</b> i	intenance				
	VDR										

Figure 1A

- 5. Navigate C-III plus to Engine > Work Support (Figure 2A) by clicking **System Selection** until Engine appears.
- 6. Select WRITE SAVED DATA.
- 7. Select Start.

Ver.CSP31.10			S	tates
Back Rome Print Screen Capture	Measurement Mode	Per ERT 12	NI × ■ 3V VI MI	
Diagnosis (One System) System Selection	ENGINE			
Self Diagnostic Data Monitor	Work support	Active Test	ECU	
Test Item				
Reset fuel consumption short term log	Step	Engine serial number	r	
AFT maintenance	5			
Reset fuel and timing learn tables				
VIN REGISTRATION				
ENTER INJECTOR CODES				
SAVE COMPUTER DATA	Sten	7		
WRITE SAVED DATA			Step	
RTCV actuator calibrate		<b></b>		M
				Ctart
		1/1		Start

Figure 2A

- 8. Make sure the ignition is ON and the engine is OFF (engine not running).
- 9. Select Confirm.

ver.ca	P31.10			States
Back Home Print	t Screen Screen Mode	Recorded Data	ERT 12.3V VI	× • • • • •
Diagnosis (One System)	System Selection	GINE		
Work support : WRITE SAVE	D DATA			
Ignition on, engine stoppe This command must only It serves to rewrite previou IMPORTANT: The time req order to write the saved da	id. be used when replacing or rej usly saved data so that it can ujired for entering the data vari ta into the computer.	programming the com automatically be reloa es. Never interrupt the	puter. ded into the compute procedure.Validate ir	r. Confirm
				0% <b>9</b>
				End

Figure 3A

10. Wait for the procedure to complete.



Figure 4A

### 11. Select End.



Figure 5A

- 12. Close C-III plus.
- 13. Turn the ignition OFF.
- 14. Disconnect the plus VI from the vehicle.
- 15. 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: PC465

Claim Type: PNC:	C PC	:M 465		
Symptom:	Z	Z		
Diagnosis:	99			
Description:	Op Codes	Flat Rate Time	Parts Required on claim	Expense Code Required
Reprogram Engine Control Module	PC4650	0.4 Hr	No	No
No Reprogram Needed	PC4651	0.3 Hr	No	No