# SERVICE BULLETIN

Classification:

EC17-013

Reference:

Date: June 8, 2017

# 2016-2017 TITAN XD; DELAY WITH RE-ACCELERATION

NTB17-061

APPLIED VEHICLES:2016-2017 Titan XD (A61)APPLIED VIN & DATE:2016 Titan XD: All<br/>2017 Titan XD:<br/>Built before: 1N6BA1(\*\*\*)HN 541181 // March 27, 2017APPLIED ENGINE:Cummins 5.0L V8 Diesel

#### IF YOU CONFIRM

Re-acceleration delay as follows:

- Driving at a moderate steady speed, then
- Reduce accelerator position to slow down, then
- Increase accelerator position to bring the vehicle back to the previous speed, then
- There is a delay/hesitation before the vehicle begins to accelerate.

#### ACTION

- 1. Save Computer Data with CONSULT-III plus (C-III plus).
- 2. At step 6 of the reprogramming procedure, confirm this bulletin applies to the vehicle you are working on.
- 3. If this bulletin applies, continue with reprogramming procedure.
- 4. Write Saved Data with CONSULT-III plus.

**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

## Save Computer Data

- 1. Connect the CONSULT PC 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.
  - The Serial No. will display when the plus VI is recognized.
- 5. Select Diagnosis (One System).

	<b>H</b> Back	Home	Drint Screen SCI	een ture Mode	Recorded Data	<b>P</b> Help	11.8V				
	Conne	ction Statu	IS			)iagnosis	Menu				
		Serial No.		Status		📋 Dia	gnosis (O	ne Syst	em)		Step 5
Step 4: plus VI is recognized	VI	2300727	Norma	Mode/Wireles	s	Dia	gnosis (A	II Syster	ms)		
	м	-	No				programm			ition	
	800	Select VI <i>I</i>	(MI			 ⊃_∕ Imn	nobilizer				
		<mark>tion Setting</mark> Sub mode		Language Sett	ng	de Mai	intenance				
		VDR									
<u>_</u>					Figuro	۸					

Figure A

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

Ver.CSP31.10				S	tates
Back Home Print Screen Capture Mode	t Recorded Data	Help	12.3V VI		•
Diagnosis (One System) System Selection E	NGINE				
Self Diagnostic Data Monitor	upport	Active Test	ECU Identi	ification	
Test Item	45				
Reset fuel consumption short term log	Step 6	Engine serial nur	mber		
AFT maintenance					
Reset fuel and timing learn tables					
VIN REGISTRATION					
ENTER INJECTOR CODES	Stop				
SAVE COMPUTER DATA	Step 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 Home Drint Screen SC	Measurement Mode Recorded	Help	
Diagnosis (One System) System Sel	ENGINE		
Work support : SAVE COMPUTER DATA			
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	the injector calibrations) so a		nto the new
Current status			Step 10
			End

Figure C

### 11. Select End.

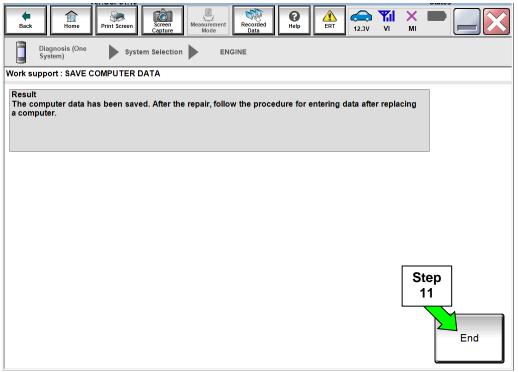


Figure D

#### ECM Reprogramming

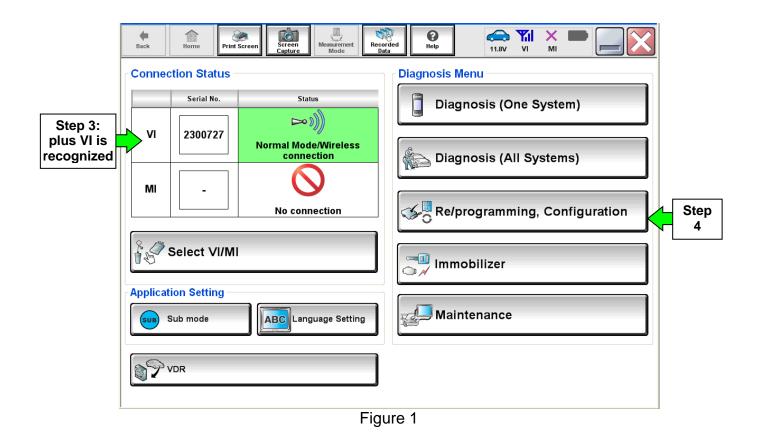
#### NOTE:

- Most instructions for reprogramming with CONSULT-III plus (C-III plus) are displayed on the CONSULT PC screen.
- If you are not familiar with the reprogramming procedure, click here. This will link you to the "CONSULT- III plus (C-III plus) Reprogramming" general procedure.
- 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<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.

- 1. Return to the C-III- plus Home screen (see Figure 1).
- 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.



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).

Home         Print Screen         Screen           Capture         Capture	Messarement Mode Data 00 Help 11.8V VI MI	
Re/programming, Configuration	tion Selection Save ECU Data	7/7
Save ECU Data		
	e current part number as listed below to CONSULT. n by selecting suitable operation log. Operation log is erased	
File Label	X X XXXXX EN EN EN EN E	
Operation	REPROGRAMMING	
System Step 6 Current EC		
	23710- <b>AIXIAJA</b>	
Vehicle	XXXXXXXXXXXXXXXXXXXX	
VIN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Date	XXXXXXXXXXXXXXXXXX	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>, continue with the reprogramming procedure.
  - If there is <u>not a match</u>, reprogramming is not needed. Refer to ASIST for further diagnostic and repair information.

Tabl	e A
------	-----

Model	Current ECM Part Number: 23710-
2016 Titan XD Cummins Diesel	EZ41E, EZ42A, EZ42B, EZ42C, EZ42D, EZ42E
2017 Titan XD Cummins Diesel	EZ44D, EZ44E, EZ45A

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 Prin	int Screen Capture Mode	Recorded Data	(11.8V VI MI	-
Re/programming, Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	9/11
Select Program Data				
	prog/programming data listed be mming data is listed below, conf a in CONSULT.		, VIN and	
System	ENGINE			
Current Part Number	Part Number After Rep	ro/programming	Other Information	_
xxxxx-xxxxx xxxxx-xxxxx			xxxxxxxxxx xxxxxxxxxxx	
			0/0	Next
<u> </u>				

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 did not complete), refer to ECM recovery on the next page.

- 9. Disconnect the GR8 (battery charger) from the vehicle.
- 10. Select Next.

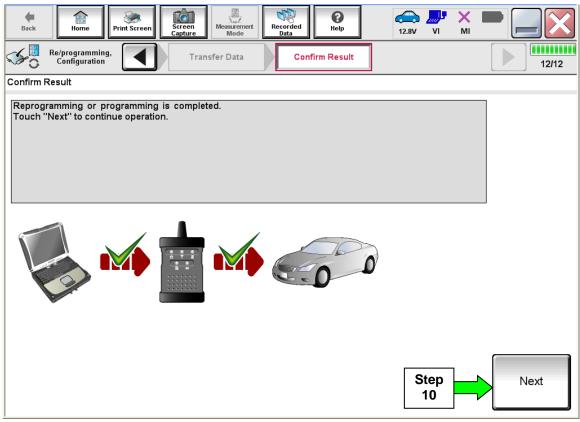


Figure 4

### NOTE:

- In the next step (page 11), 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>.

CONSULT-II plue Wer	VN	Vaticle		Country : Japan
Back Hone Print Screen	Screen Mode	Recorded Help	12.3V VI MI	-
resprograming enrightion	Transfer Data	Confirm Resul		13/13
onfirm Result				
Reprogramming or progamming is operation on this ECU. Touch "Retry" to retry reprogrammi		but you can retry reprog	programming	R
Part number after		28482-3300	CX.	
Reprog/programming				
Reproc/programming Part number before Reprog/programming		28482-XX00		
Part number before				
Part number behre Reprog/programming Vehicle		28482->>>>	CX	_
Part number sefore Reprog/programming Vehicle VIN		284B2-XXX0 QASHQAI	CX	
Part number selore Reprog/programming		28482-XXXX QASHQAI SJNFDNJ10U10	00000	Retry
Fart number before Reprograngsamming Vehicle VIN		284B2-XXXX QASHQAI SJNFON/10U/X BCM	00000	Retry

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 Ver	VIN: Vehicle (QAS)	4QAI County : Japan
Back Hone Print Screek	Hela Strengert Hela Strengert Holder	
Relprogramiag.	Transfer Esta	99
onfirm Result		
with precedure.	rity. ONSULT version, IGN/Power switch posit VI onse, and start the reprogramming agai	
Part number after Reprog/programming	28482-XX	KAC
uch as he surning		
Current part number	284E2-XX	XXX
	28482-XX QASHQ	
Current part number		LAI
Current part number Vehicle	QASHQ	JAI J100000
Current part number Vehicle	QASHO SUNFDIN10L	MI 1100000
Current part number Vahicle VIN System	QASHO S.INFDN10L BCM	MI 1100000

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 Back Print Screen	Measurement Mode	🕞 🤐 🗙 🖿 🔜 🔀					
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".							
	23710-161262x 13 23710-161262x						
Vehicle	23433002						
VIN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
System	ENGINE	Step Print					
Date	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
1/1 Step 1/1 15 Confirm							

Figure 7

Continue to the next page.

### Write Saved Data

- 1. Return to the C-III- plus Home screen (see 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).

	<b>H</b> Back	Home	Print Screen	Screen Capture	Measurement Mode	Recorded Data	P Help	11.8		X MI		$\mathbf{\mathbf{x}}$	
	Conne	ction Sta	tus				Diagnosis	Menu					<u>Otom</u>
Step 3:		Serial N	o.	Sta	0		Diag	gnosis (	One S	ystem)			Step 4
plus VI is recognized	VI	230072		ormal Moc conne	ø le/Wireless	· [	Diag	gnosis (	All Sy	stems)		ו	
	м	-		No con	<b>)</b>				ne i ne er	Config			
				NO COM	nection		CS Re/	program	ming,	Config	uration	J	
	S.C.	Select V	/I/MI				⊂∎ ⊖ ∕ Imn	nobilizer					
		t <mark>ion Settir</mark> Sub mode		ABC	guage Settir	ng	<b>a Pa</b> i	ntenanc	e				
		VDR											
ļ							4.4						

Figure 1A

- 5. Navigate C-III plus to Engine > Work Support (see Figure 2A).
- 6. Select WRITE SAVED DATA.
- 7. Select Start.

Ver.CSP31.10			States
Back Rome Print Screen Capture	Aeasurement Mode	ERT 12.3V	
Diagnosis (One System) System Selection	ENGINE		
Self Diagnostic Data Monitor	Work support	ve Test	CU lentification
Test Item			
Reset fuel consumption short term log	Step	ine serial number	
AFT maintenance	5		
Reset fuel and timing learn tables			
VIN REGISTRATION			
ENTER INJECTOR CODES			
SAVE COMPUTER DATA	Step	F	
WRITE SAVED DATA	6		Step 7
RTCV actuator calibrate			
			Start
		1/1	
	Figure 2A		

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

ver.	JSP31.10				States
Back Pr	rint Screen Capture Mea	asurement Mode		2.3V VI MI	
Diagnosis (One System)	System Selection	ENGINE			
Work support : WRITE SA	VED DATA				
Ignition on, engine stop This command must on It serves to rewrite previ IMPORTANT: The time re order to write the saved o	ly be used when replacir iously saved data so tha equired for entering the c	t it can automatically	be reloaded into the		Confirm
Current status					Step
				C	9
					End

Figure 3A

10. Wait for the procedure to complete.

Image: Corol to	il X I	
Diagnosis (One System) System Selection ENGINE		
Work support : WRITE SAVED DATA		
Ignition on, engine stopped. This command must only be used when replacing or reprogramming the computer. It serves to rewrite previously saved data so that it can automatically be reloaded into the compu IMPORTANT: The time required for entering the data varies. Never interrupt the procedure.Validate order to write the saved data into the computer.		Confirm
Current status COMMAND IN PF	ROGRESS	
	25%	
		End

Figure 4A

### 11. Select End.

		Ver.CSP31.10					•				States	
Back		Print Screen	Screen Capture	Measurement Mode	Recorded Data	<b>P</b> Help	ERT	12.3V	VI	Ж		
	Diagnosis (One System)	Syste	em Selection		SINE							
Work s	upport : WRITE	SAVED DAT	Α									
Data t	transfer done.											
									_			
										Ste 11		
												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 bulletin.

## **CLAIMS INFORMATION**

#### Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram Engine Control Module	(1)	DE97AA	ZE	32	(2) (3)

(1) Refer to the electronic parts catalog (FAST or equivalent) and use the ECM assembly part number as the Primary Failed Part (PFP).

(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

(3) FRT allows adequate time to access DTC codes and reprogram ECM. No other diagnostic procedures subsequently required. Do NOT claim any Diagnostic Op Codes with this claim.