



Classification:

RECALL CAMPAIGN BULLETIN

EC20-002

Reference: NTB20-030 Date: April 6, 2020

VOLUNTARY EMISSIONS RECALL CAMPAIGN 2016-2017 TITAN XD WITH DIESEL ENGINE; ENGINE CONTROL MODULE

CAMPAIGN ID #: APPLIED VEHICLES: APPLIED ENGINE: PC731 2016-2017 Titan XD (A61) Cummins 5.0L Diesel

Check Service COMM or Dealer Business Systems (DBS) National Service History to confirm campaign eligibility.

INTRODUCTION

Nissan is conducting this voluntary emissions recall campaign on certain specific model year 2016-2017 Titan XD vehicles equipped with a diesel engine. The Engine Control Module (ECM) will be inspected, and reprogrammed if it applies. This service will be performed at no charge to the customer for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number PC731 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service COMM or Dealer Business Systems (DBS) National Service History for the campaign status on each vehicle falling within the range of this voluntary emissions recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a emissions recall must be corrected prior to sale. Failure to do so can result in civil penalties and/or fines by the Environmental Protection Agency.** While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

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.

REPAIR OVERVIEW



IMPORTANT

Attention California Dealers

An Emission Recall Campaign Completion (ERCC) label must be filled out by the technician performing the repair, and then attached to the underside of the vehicle hood. A sample of the label is shown below.



California law prohibits owners from renewing their California registration if emissions related recall work has not been performed. California dealers are now required to issue a proof of correction certificate to vehicle owners upon completion of emissions related recall work. Please fill out one of the campaign completion forms for each owner that has this campaign performed. Instruct owners to keep this certificate unless they are requested to mail it to the DMV. A sample of the form is shown in Figure 2 below.

Date	Cherry Law	Deale	rship's Authoriz	red Signature
Dealer's Name		Addre	ss, City, State,	Zip
Manufacturer The above described veh California Emission Conti	nicle has been rol Laws.	n repaired, modifie	Rec	all Number
License Number	Wake	Model Teal	Body Type	
License Number	Maka	Madel Veer	Rody Tuno	Vahiele Identification Number

Figure 2

NOTE:

- These forms (item number **CAEMRC 1-20**) and labels (item number **NIS-UHL-16**) are available from Nissan Publications (1-800-247-5321) at no charge.
- When either item (form or label) is ordered, you will automatically receive the other item as well.

SERVICE PROCEDURE

- 1. Using C-III plus, confirm the current ECM part number and write it on the repair order.
 - If it matches one of the part numbers in **Table A**, below, proceed to step 2 on the next page.
 - If there is not a match, no repair is needed. Go to **CLAIMS INFORMATION** on page 13.

Table A

MODEL	CURRENT ECM PART NUMBER: 23710-
2016 Titan XD with diesel engine	EZ41C, EZ41D, EZ41E EZ42A, EZ42B, EZ42C, EZ42D, EZ42E EZ43A, EZ43B EZ45D, EZ45E EZ46A
2017 Titan XD with diesel engine	EZ44D, EZ44E EZ45A, EZ45B, EZ45C, EZ45D, EZ45E EZ46A

Save Computer Data

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

Back Rome Print Screen	Sereen Capture	Orded Image: Second s
VI 2300727 Nor	mal Mode/Wireless	Diagnosis (One System)
MI -	No connection	Re/programming, Configuration
Application Setting	BC Language Setting	Maintenance
VDR	Fig	ure 3

- 7. Navigate C-III plus to **ENGINE** > **Work support** (see Figure 4).
- 8. Select SAVE COMPUTER DATA.
- 9. Select Start.

Back Ver.CSP31.10 Print Screen Capture Mode	t Recorded Data
Diagnosis (One System) System Selection E	NGINE
Self Diagnostic Data Monitor	upport
Test Item	
Reset fuel consumption short term log	Engine serial number
AFT maintenance	
Reset fuel and timing learn tables	
VIN REGISTRATION	
ENTER INJECTOR CODES	
SAVE COMPUTER DATA	
WRITE SAVED DATA	
RTCV actuator calibrate	
	1/1 Start

Figure 4

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**.

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

Ver.CSP31.10				States
Back Back Print Screen	Creen ppture Mode Recorde Data	d Help ERT 12.	🕞 Үлі X зv VI MI	
Diagnosis (One System) System Se	election ENGINE			
Work support : SAVE COMPUTER DATA	4			
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	nen replacing or reprogram g the injector calibrations) s rocedure.	ming the computer. o as to load it automatical	ly into the new	Confirm
Current status				
				End

Figure 5

12. Select End.



Figure 6

Reprogram the ECM

IMPORTANT: Before starting the reprogramming procedure, 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:

• 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.

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, <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>.

13. Reprogram the ECM.

14. After completing Erase ALL DTCs, print a copy of the C-III plus screen showing the before and after part numbers of the control unit and attach it to the repair order.

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 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 <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.	Uaiticle		Country : Jacon
Back Home Print Screen	Arten Cepture Mode	Necorded Data	12.3V VI MI	
sonigistion	Transfer Data	Corfirm Resul		1313
Confirm Result				
Reprogramming or programming is operation on this ECU. Touch "Retry" to retry reprogrammi	not completed propertly, b	out you can retry reprog	(programming	R
Part number after Reprog/programming		284B2-3000	CX .	
Part number before Reprog/programming		284B2-XXX0	X	
Part number before Reprog/programming Vehicle		284B2-3000	DX	_
Part number before Reprog/programming Vehicle VIN		284B2-3000 XXXXXXX XXXXXXXX	X XXX	_
Part number before Reprograsgramming Vehicle VIN System		28482-3000 XXXXXXXX XXXXXXXXX BCM	x	
Part number before Reprogramming Vehicle VIN System Date		28482-3000 XXXXXXXX XXXXXXXXXX BCM XXXXXXXXXXXX	× ***	Retry
Partinumber beföre Reprog/programming Vehicle VIN System Dete Error Code		25482-000 ХХХХХХХ ЖИЖХХХХХ ВСИ ХХХХХХХХХХХ	0X 8690X 900R	Retry

Figure 7

If reprogramming does <u>not</u> 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.
- Select <u>Home</u>, and restart the reprogram procedure from the beginning.

	NIN.	Vehicle : CLASHQAI	County : Japan
Bark Hone Prist Screer	Neas.renert	Recribed Data	💐 💥 🖿 🛄 🔀
Redprograming.	Transfer Data	Confirm Result	9/9
ionfirm Result			
Reprogramming is not completed propa -Print this screen as needed. Confirm C with precedure. -Restart CONSULT with disconnecting t	rty. ONSULT version, IG VI once, and start th	BV/Power switch position, shift positio e reprogramming again.	n and etc
Part number after Reprog/programming		284E2-XXXXX	
Current part number		284E2-XXXXX	
Current part number Vehicle		28482-300000 XXXXXXX	
Current part number		28482-XXXXX XXXXXXXX XXXXXXXXXXXXXX	
Current part number Vehicle VIN System		28482-300000 XXXXXXXX XXXXXXXXXXXXXXX BCM	
Current part number Vehicle VIN System Date		244823XXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Current part number Vahicle VIN System Date Information		28482-30000 XXXXXXX XXXXXXXXXXXX BCM XXXXXXXXXXXXXX	

Figure 8

Write Saved Data

- 15. Return to the C-III plus Home screen (see Figure 9).
- 16. Confirm the ignition is ON, with engine OFF.
- 17. Confirm the plus VI is recognized.
 - The Serial No. will display when the plus VI is recognized.
- 18. Select Diagnosis (One System).

Serial N	o. Status	Diagnosis (One System)
VI 23007	27 Normal Mode/Wireless connection	Diagnosis (All Systems)
MI -	No connection	Re/programming, Configuration
Select V	/I/MI	
Application Settin	IG	Maintenance
]

Figure 9

- 19. Navigate C-III plus to **ENGINE** > Work support (see Figure 10).
- 20. Select WRITE SAVED DATA.
- 21. Select Start.

	States
Back Rome Print Screen Capture 1	Measurement Node Recorded Data
Diagnosis (One System)	ENGINE
Self Diagnostic Data Monitor	Work support
lest item	
Reset fuel consumption short term log	Engine serial number
AFT maintenance	
Reset fuel and timing learn tables	
VIN REGISTRATION	
ENTER INJECTOR CODES	
SAVE COMPUTER DATA	
WRITE SAVED DATA	
RTCV actuator calibrate	
	Start
	1/1
	Figure 10

- 22. Make sure the ignition is ON and the engine is OFF (engine not running).
- 23. Select **Confirm**.

	ver.03P31.10						3	lates
Back Home	Print Screen Ca	Creen Ipture	Recorded Data	Pelp	12.3V	Yil Vi	M	•
Diagnosis (One System)	System Se	election	INGINE					
Work support : WRITE	SAVED DATA							
Ignition on, engine s This command mus It serves to rewrite p IMPORTANT: The tir order to write the say	stopped. t only be used wh previously saved on required for en ved data into the co	nen replacing or i data so that it can tering the data va omputer.	reprogramming n automatically aries. Never int	g the compute / be reloaded errupt the prod	r. into the cor cedure.Valid	nputer. late in		Confirm
Current status								
							0%	
<u></u>								
								End

Figure 11

24. Wait for the procedure to complete.

Back Rome Print Screen	reen hode Recorded Help ERT 12.3V	XI X 🗭 📃 🔀				
Diagnosis (One System) System Se	lection 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 computer. IMPORTANT: The time required for entering the data varies. Never interrupt the procedure.Validate in order to write the saved data into the computer.						
Current status	COMMAND IN F	PROGRESS				
		25%				
		End				

Figure 12

25. Select End.



Figure 13

CLAIMS INFORMATION

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
D0704	Reprogram Engine Control Module	PC7310	0.4 hrs
PC/31	Reprogram Not Needed	PC7311	0.3 hrs

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

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
April 6, 2020	NTB20-030	Original bulletin published