

Classification:

EC18-028b

Reference:

October 24, 2019

Date:

2018 ARMADA AND TITAN; MIL ON WITH DTC P0138 AND/OR P0158

NTB18-062b

This bulletin has been amended. See AMENDMENT HISTORY on the last page. Please discard previous versions of this bulletin.

APPLIED VEHICLES:	2018 Armada (Y62)
	2018 Titan (A61)
	2018 Titan XD (A61)
APPLIED ENGINE:	VK56VD (gasoline V8)

IF YOU CONFIRM

The MIL is ON with one or both of the following DTCs:

- P0138 (Heated oxygen sensor heater 2 [bank 1] circuit high voltage)
- P0158 (Heated oxygen sensor heater 2 [bank 2] circuit high voltage)

And

There are no drivability issues.

ACTION

- 1. Refer to step 6 in the **SERVICE PROCEDURE** to confirm this bulletin applies to the vehicle you are working on.
- 2. If this bulletin applies, reprogram the ECM.

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 entire 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

ECM REPROGRAMMING

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 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) ECM Reprogramming" general procedure.
- 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

CAUTION:

- Connect a battery maintainer or smart charger set to reflash mode or a similar setting. 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 and plus VI 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. Start C-III plus.
- 3. Wait for the plus VI to be recognized / connected.
 - The serial number will display when the plus VI is recognized / connected.
- 4. Select Re/programming, Configuration.

	CONSULT-III	plus Ver.V12.12.00	VIN:-		Vehicle : -		Country : U.S.A.	
		ome Print Screen	Screen Capture	Recorded Data	P Help	(11.8V VI MI		J
	Connection	n Status)iagnosis Menu	I		
Step 3: plus		Serial No.	Status		Diagnos	sis (One Syst	em)	
VI is recognized	VI 2	2300727 N	ormal Mode/Wireless connection		🔬 Diagnos	sis (All Syste	ms)	
	м	-	\bigotimes				·	
			No connection		🎸 🤅 Re/prog	ramming, Co	onfiguration	Step 4
	Sele Sele	ect VI/MI			⊶ ⊂ , ∕ Immobil	lizer		
	Application		ABC Language Settin	a l	Aainten	ance		
	VDR							
				Figure	1			

5. Follow the on-screen instructions and navigate the C-III plus to the screen shown in Figure 2 on the next page.

- 6. When the screen in Figure 2 displays, 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).

CONSULT-III plus Ver VIN.	Vehicle :	Country : U.S.A.		
Back Rome Print Screen Capture	Maxware Recorded us			
Re/programming, Configuration	tion 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	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Operation	REPROGRAMMING			
System 6A: Current ECM P/N ENGINE				
Part Number	23710			
Vehicle	xxxxxxxxxxxxxxx			
VIN	x00000000000000			
Date	11/1/201× 1:22:16 AM	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 match, this bulletin applies. Continue with the reprogramming procedure.
 - If there is <u>not a match</u>, <u>reprogramming does not apply</u>. Refer to ASIST for further diagnosis.

MODEL	CURRENT ECM PART NUMBER: 23710-
2018 Armada	6GY2A, 6GY2B, 6GY3A, 6GY3B 6GY4A, 6GY4B, 6GY5A, 6GY5B
2018 Titan and Titan XD	9FT1B, 9FT1C, 9FT2B, 9FT2C, 9FT3B, 9FT3C 9FT4B, 9FT4C, 9FT5B, 9FT6B, 9FT7B, 9FT8B EZ54A, EZ54B, EZ55A, EZ55B EZ56A, EZ56B, EZ57A, EZ57B

Table A

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.
 - > In this case, 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.

CONSULT-III plus Ver.	VIN:	Vehicle :		Country : U.S.A.
Back Home Prin	t Screen Capture	Recorded Help	11.8V VI MI	-
Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	9/11
Select Program Data				
	orog/programming data listed be mming data is listed below, confi in CONSULT.		IN and	
System	ENGINE			
Current Part Number	Part Number After Rep	o/programming	Other Information	
xxxxxxx-xxxxxxx	XXXXXXX-XXXXXXX	xxxxxxx	000000000000000000000000000000000000000	
XXXXXXX-XXXXXXX	XXXXXX-XXXXXXX	XXXXXXXX	000000000000000000000000000000000000000	
				Next
			0/0	
		0		

Figure 3

- 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 Username and Password, contact your service manager.

Ver.CSP44.21	States
Back Back Print Screen	Image: sectore Image:
Configuration	Confirm Vehicle User Authentication Transfer Data
User Authentication	
SECUREAUTH	
Daimler WS	
	Please enteryour UserID below.
	Usemame:
	Password
	Submit
Restart Login	Security
	Copyright 2015 SecureAuth Corp. All rights reserved.

Figure 4

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

NOTE: If the screen in Figure 5 does <u>not</u> display (reprogramming does <u>not</u> complete), refer to the information on page 7.

- 9. Disconnect the battery maintainer/smart charger from the vehicle.
- 10. Select Next.

CONSULT-III plus Ver.	VIN.	Vehicle :		Country IICA
Back Home Print Screen	Screen Measurement Rec	8 0	🕋 🗾 X 12.8V VI MI	Country : U.S.A.
Re/programming, Configuration	Transfer Data	Confirm Result		12/12
Confirm Result				
Reprogramming or programming i Touch "Next" to continue operation	s completed.			
			Step 10	Next



NOTE:

- In the next steps, starting on page 8, 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.

ECM Recovery

Do not disconnect plus VI or shut down Consult III plus if reprogramming does not complete.

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

- 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	Unticle	Country : Japan
Back Home Print Screen	Cathur Mode	Securidad Help	123V VI MI
resprogramming, 💽	Transfer Data	Confirm Result	1313
Confirm Result			
Reprogramming or programming is re operation on this ECU. Touch "Reny" to retry reprogramming		ut you can retry reprog/p	
Part number after Reproc/programming		284B2-XXXXXX	
not of hadron and			
Part number before Reprog/programming		284B2-XXXXX	(
Part number before		284B2-XXXXX QASHQAI	(
Part number before Reprog/programming Vehicle			
Part number before Reprog/programming Vehicle VIN			
Part number before Reprog/programming		QASHQAI	
Part number before Reprograngramming Vehicle VIN System		QASHQAI BCM	

Figure 6

If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 7:

- 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 : QASHQAI	County : Japan
Bark Hone Print S	Kreek	Naciritad Data	• 📲 💥 🖿 📖 🔀
Relprogramiag.	Travefur Data	Confirm Result	9/9
onfirm Result			
with precedure.		N/Power switch position, shift posi reprogramming again.	fior and etc
Part number after Reprog/programming		28482-00000	
		284E2-XXXXX	
Current part number Vehicle		284E2-XXXXX QASHQAI	
Current part number Vehicle			
Current part number			
Current part number Vehicle		QASHQAI	
Current part number Vahicle VIN System		QASHQAI ВСМ	



- 11. Follow the on-screen instructions to perform the following:
 - Throttle Valve Closed Position.
 - Idle Air Volume Learn (IAVL).

NOTE:

- > Listed below are common conditions required for IAVL to complete.
- If IAVL does not complete within a few minutes, a condition may be out of range.
- Refer to the appropriate ESM for specific conditions required for the vehicle you are working on.
 - Engine coolant temperature: 70 100°C (158 212°F)
 - Battery voltage: More than 12.9V (At idle)
 - o Selector lever: P or N
 - Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
 - Steering wheel: Neutral (Straight-ahead position)
 - Vehicle speed: Stopped
 - o Transmission: Warmed up
- Accelerator Pedal Close Position Learning
- Erase DTCs

Continue to the next page.

- 12. When the entire reprogramming process is complete, the screen in Figure 8 will display.
- 13. Verify the before and after part numbers are different.
- 14. Print a copy of this screen (Figure 8) and attach it to the repair order for warranty documentation.
- 15. Select Confirm.

CONSULT-III plus Ver VIN:	Vehicle :	Country : U.S.A.		
Back Home Print Screen Capture	Messarement Mode Mode	14.3V VI MI		
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 "Cill plus Data Folder" on desk top, and open the folder named "ScreenImages".				
Part number after Reprog/programming Part number before Reprog/programming	Step 23710 13 23710			
Vehicle	*****			
VIN	******			
System	ENGINE	Step 14		
Date	11/3/201× 2:10:21 AM			
		Step 15 Confirm		

Figure 8

- 16. Close C-III plus.
- 17. Turn the ignition OFF.
- 18. Disconnect the plus VI from the vehicle.

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	HD	32	(2) (3)

(1) Refer to the electronic parts catalog (FAST or equivalent) and use the ECM assembly part number (23703-****) 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.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
September 11, 2018	NTB18-062	Original bulletin published
October 19, 2018	NTB18-062a	Table A revised
October 24, 2019	NTB18-062b	APPLIED VEHICLES section and Table A revised