

EC13-021

NTB13-110

December 17, 2013

Date:

2014 TITAN AND ARMADA; MIL "ON" WITH P117A AND/OR P117B STORED

APPLIED VEHICLES: 2014 Titan (A60) 2014 Armada (TA60)

IF YOU CONFIRM:

The MIL is "ON" and one or both of the following DTCs are found stored in the ECM:

- P117A (Cylinder A/F imbalance monitoring)
- P117B (Cylinder A/F imbalance monitoring)

AND

There are no drivability concerns.

NOTE: These DTC's can be referenced in either the 2014 Armada or Titan Electronic Service Manuals > Section EC > ECM > Test Value and Test Limit > Item; Fuel System.

ACTION:

- 1. Confirm this bulletin applies.
 - Compare the vehicle's current ECM part number to those listed in Table A (see page 4).
- 2. If the ECM part number does not match one listed in **Table A**, this bulletin does not apply. Go back to ASIST for further diagnostic and repair information.
- 3. 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

- 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.

Preparation for Reprogramming

- 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

NOTE:



Figure A

- After ECM reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learn (IAVL), and Accelerator Closed Position.
- The above conditions are required for the IAVL to complete.

CAUTION:

- Connect the GR8 to the vehicle battery. The vehicle battery voltage must stay between <u>12.0V and 15.5V</u> during reprogramming, <u>or the ECM may be</u> <u>damaged</u>.
- Be sure to turn OFF all vehicle electrical loads. If a vehicle electrical load remains ON, the ECM may be damaged.
- 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</u> <u>damaged</u>.
- Turn off all external Bluetooth[®] devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the 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. Start C-III plus.
- 3. Wait for the plus VI to be recognized.
 - The Serial No. will display when the plus VI is recognized.
- 4. Select Re/programming, Configuration.

Step 3	CONSULT-III plus Ver.V12.12.00 VIN:-	ded Help
	Application Setting Sub mode ABC Language Setting VDR Figu	Maintenance

5. Follow the C-III plus on-screen instructions and navigate 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).

CONSULT-III plus Ver VIN	Vehicle :	Country : U.S.A.			
Back Home Print Screen Capture	Messurement Mode Recorded Bata	🚓 🏋 🗙 🖿 🔛 🔀			
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	File Label XXXXXXXXXXXXXXX				
Operation	3				
System Curre	nt P/N				
Part Number					
Vehicle	xxxxxxxxxxxxxx				
VIN	******	x			
Date	11/1/201× 1:22:16 A	M Save			
	F ig. 10				

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 bulletin <u>applies</u>. Continue with the reprogramming procedure.
 - If there is <u>not a match</u>, this bulletin <u>does not apply</u>. Return to ASIST for further diagnostic and repair information.

Table A

Model	Current ECM Part Number: 23710 -			
	9FH0A, 9FH1A, 9FH2A, 9FH3A, 9FH4A, 9FH5A, 9FH6A, 9FH7A, 9FH8A, 9FH9A			
2014 Titan	9FP0A, 9FP1A, 9FP2A, 9FP3A, 9FP4A, 9FP5A, 9FP6A, 9FP7A, 9FP8A, 9FP9A			
	9GC0A, 9GC1A			
	9GF0A, 9GF1A			
2014 Armada	9GC2A, 9GC3A, 9GC4A			
ZU14 Armada	9GF2A, 9GF3A, 9GF4A			

7. Follow the on-screen instructions to navigate C-III plus and reprogram the ECM.

NOTES:

- 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.

G CONSULT-III plus Ver.	VIN:	Vehicle :		Country : U.S.A.		
Back Prir	nt Screen Capture Mode	Recorded Data	11.8V VI MI			
Re/programming, Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	9/11		
Select Program Data						
Touch and select the reprog/programming data listed below. In case no reprog/programming data is listed below, confirm the vehicle selection, VIN and reprog/programming data in CONSULT.						
System	ENGINE					
Current Part Number	Part Number After Rep	ber After Repro/programming Other Information				
XXXXXX-XXXXXXXX	XXXXXX-XXXXXXX	2000000	000000000000000000000000000000000000000			
XXXXXX-XXXXXX	XXXXXX-XXXXXXX	XXXXXXXX	000000000000000000000000000000000000000			
			0/0	Next		

Figure 3

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

NOTE: If the screen in Figure 4 does <u>not</u> display (reprogramming does <u>not</u> complete), refer to the information on page 7.

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

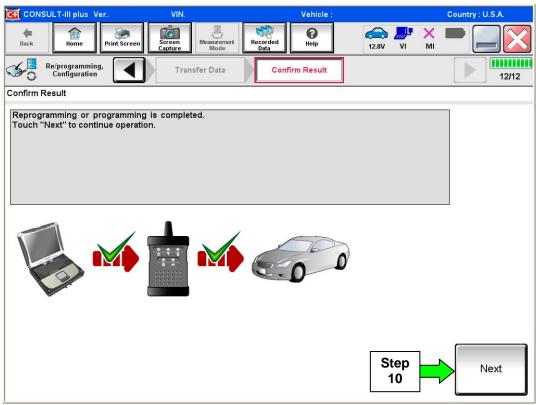


Figure 4

NOTES:

- In the next steps (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.

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

If reprogramming does not complete and the "!?" icon displays as shown in Figure 5:

- Check battery voltage (12.0 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</u> on first attempt and can be selected more than once.

	VN	Vehide .		Country Lacen
Back Hone Print Screen	Altare Mossierert Mossierert	scorber Dela Holp	12.3V VI MI	-
sonigiation	Transfer Data	Corlim Resul		1313
Confirm Result				
Reprogramming or programming is not operation on this ECU. Touch "Reny" to retry reprogramming		t you can retry reprogis	rogramming	R
Part number after Reproc/prodramming		284B2-XXXXX	(
Part number before Reprog/programming		26482-30000		
Heprogramming				
Vehicle		QASHQAI		
		QASHQAI SJNFDNJ10U100	800	
Vehicle		2010-00-00-00-00-00-00-00-00-00-00-00-00-	800	
Vehicle		SJNFONJ10U100	988 9 988	Betry
Vehicle Vitel System		SUNFONU10U100 BCM	988 9 988	Ratry

Figure 5

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

 Check battery voltage (12. 0 - V).

6

- 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.

Heasterner Recarded Help Control of March	
after Data Oorfern Resul	9/9
LT version, IGW/Power switch position, shift position and etc a, and start the reprogramming again.	
25482-300000	
28482-XXXXX	
QASHQAI	
SUNFDNJ10U100000	
всм	
25/07/2011 16:30:00	
	Print
	a, and start the reprogramming again. 284E2-XXXXX 284E2-XXXXX QASHQAI SUNFDIVI 100100000 BCM

Figure 6

11. Follow the on-screen instructions to perform the following:

- Throttle Valve Closed Position
- Idle Air Volume Learn (IAVL)

NOTE:

- > Listed below are the conditions required for IAVL to complete.
- If IAVL does not complete within a few minutes, a condition may be out of range.
 - Engine coolant temperature: 70 -100° C (158 212°F)
 - o 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
 - Transmission: Warmed up (ATF TEMP SE less than 0.9V)

• Accelerator Pedal Close Position Learning

• Erase DTCs

Continue to the next page.

- 12. When the entire reprogramming process is complete, the screen in Figure 7 will display.
- 13. Verify the <u>before and after</u> 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.

CONSULT-III plus Ver VIN	Vehicle :	Country : U.S.A.					
Back Back Print Screen	Messurement Recorded Data	' 🗙 🖿 🔜 🔀					
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 Step 23710							
	13 23710						
Vehicle	*****						
VIN	*******						
System	ENGINE Step	Print					
Date	11/3/201X 2:10:21 AM						
	Step 15	Confirm					

Figure 7

- 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) line claim using the following claims coding:

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

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

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