

EC16-011

NTB16-030

March 23, 2016

Date:

### 2016 ALTIMA; MIL ON WITH DTC P0101

APPLIED VEHICLES: 2016 Altima (L33)

IF YOU CONFIRM

The MIL is ON with DTC P0101 (MAF SEN/CIRCUIT-B1) stored,

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.

**NOTE:** If this bulletin does apply (the ECM needs to be reprogrammed), DO NOT replace the mass air flow sensor.

**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

### 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.
- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learn (IAVL) conditions:
  - Engine coolant temperature: 70 105°C (158 - 221°F)
  - Battery voltage: More than 12.9V (at idle)
  - Transmission: Warmed up



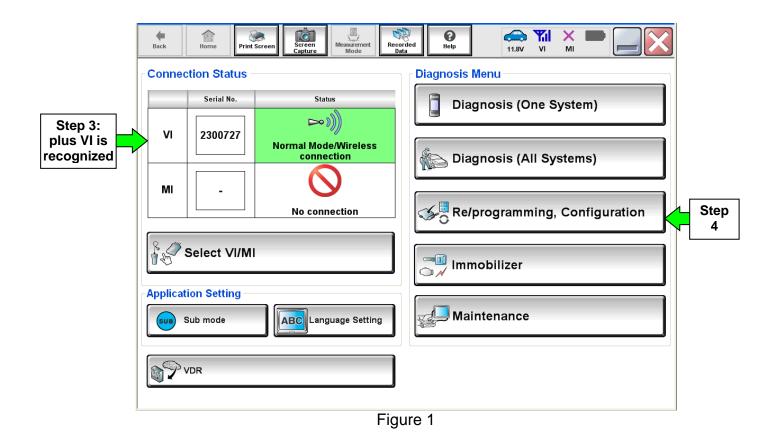
Figure A

**NOTE:** After reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase. The above conditions are required for IAVL to complete.

### 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 the ECM may be damaged.
- 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. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.
- 2 Open / 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.



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 Re/programming, Configuration Opera	Messarement Mode Recorded Data Provided Help Help Help Help Help Help Help Help				
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     JXXIXXX000XXXX       Operation     REPROGRAMMING       System     Step 6A: Current ECM P/N     ENGINE       Part Number     23710-XXXX000X       Vehicle     XXXXXXXXXX					
VIN Date	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	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>, 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>. Close C-III plus and refer to ASIST for further diagnostic information.

Model	Current ECM Part Number: 23710-
2016 Altima	9HN4A, 9HN4B, 9HN4C
	9HN5A, 9HN5B, 9HN5C
	9HN6A, 9HN6B, 9HN6C
	9HN7A, 9HN7B, 9HN7C
	9HN8A, 9HN8B, 9HN8C
	3TY2A, 3TY2B, 3TY2C
	3TY3A, 3TY3B, 3TY3C
	3TY4A, 3TY4B, 3TY4C
	3TY5A, 3TY5B, 3TY5C
	3TY9A, 3TY9B, 3TY9C

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.
  - > 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.

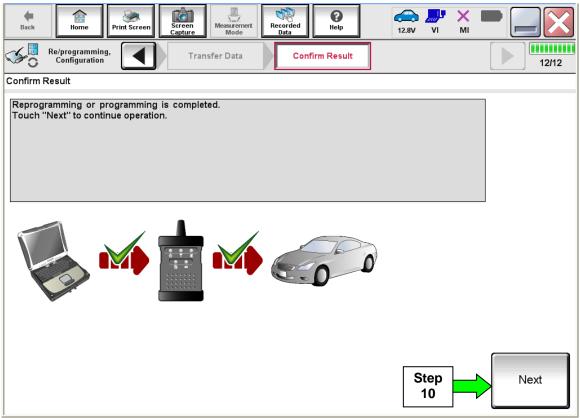
Back Prir	nt Screen Capture	Recorded Help	11.8V VI MI	
Re/programming, Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	9/11
Select Program Data				
	rog/programming data listed be nming data is listed below, confi in CONSULT.		IN and	
System	ENGINE			
Current Part Number	Part Number After Repr	o/programming	Other Information	-
xxxxx-xxxxx xxxxx-xxxxx				
			0/0	Next

Figure 3

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

**NOTE:** If the screen in Figure 4 does not display (reprogramming does not complete), refer to ECM recovery on the next page.

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





#### NOTE:

- 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.

#### **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 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 Ver	VN	Unticle		Country : Japan
Back Home Print Screen	atkan Mode	sorther Data	12.3V VI MI	
Configuration	Transfer Data	Corlim Resul		1313
Confirm Result				
Reprogramming or programming is not operation on this ECU. Touch "Retry" to retry reprogramming		t you can retry reprog/pro	gramming	
Part number after Reprog/programming		28482-XXXXX		
Part number before Reprog/programming		284B2-XXXXX		
Vehicle		QASHQAI		
VIN		SJNFDNJ10U100000		
VIN	-	SUNFORUTOD DODU	0	
System		BCN	0	-
			10	Retry
System		вси	10	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-IL BUS Ver	VIN: Vehicle (QASHQA)	County : Japan
Bark Hone Prist Screet	en Messrenert Recarded Help 43.70	📲 💥 🖿 🛄 🔀
Reprograming.	Transfer Eata	9/9
anfirm Result		
with precedure.	y NSULT version, IGN/Power switch position, shift position onse, and start the reprogramming again.	ard etc
Part number after Reprog/programming		
	284E2-XXXXX	
Current part number	28482-XXXXX QASHQAI	
Valicle		
Current part number	QASHQAI	
Current part number Vahicle	QASHQAI SJNFDNJ19U100000	
Current part number Valiscle VIN System	QASHQAI SJNFDNJ10U100000 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 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 Electronic Service Manual (ESM) for specific conditions required for the vehicle you are working on.
  - Engine coolant temperature: 70 -105° C (158 221°F)
  - Battery voltage: More than 12.9V (At idle)
  - 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 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 Rome Print Screen Capture	Measurement Mode Recorded Data	➡ <b>₩</b> × ■ 4.3V 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 "Clll plus Data Folder" on desk top, and open the folder named "ScreenImages".					
Part number after Reprog/programming	23710- <b>1</b> Ex12Ex				
Vehicle	2343702				
VIN	XMX AXX EXXXXMS0 120XX				
System	ENGINE	Step	Print		
Date	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	14			
	1/	Step 1 15	Confirm		

Figure 7

### 16. Close C-III plus.

### 17. Turn the ignition OFF.

18. Disconnect the plus VI from the vehicle.

19. 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.