

Classification: EC13-017a Reference: NTB13-108a

February 12, 2014

Date:

# NISSAN; MIL ON WITH DTC P0139 AND/OR P0159 STORED

This bulletin has been amended. The Title and APPLIED VEHICLES have been revised. Table A in the SERVICE PROCEDURE has been updated. Please discard all previous versions.

**APPLIED VEHICLES:** 2012 - 2014 370Z (Z34)

2012 - 2014 370Z Roadster (Z34)

2013 - 2014 Frontier (D40) with VQ40DE (6-cyl) engine ONLY

2013 - 2014 Xterra (N50)

# IF YOU CONFIRM:

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

- P0139 (heated oxygen sensor 2 (B1) circuit slow response)
- P0159 (heated oxygen sensor 2 (B2) circuit slow response)

# ACTION:

- 1. Confirm this bulletin applies.
  - Compare the vehicle's current ECM part number to those listed in **Table A** (see page 5).
- 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 <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

- 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<sup>®</sup> devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth<sup>®</sup> 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:-     Back   Image: Serie and Series an	Recorded Help 11.8V   Diagnosis Menu   Diagnosis (One   Diagnosis (All   Diagnosis (All   Re/programmin   Immobilizer	Systems)	
	VDR			

- ⊢igure 1
- 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 current ECM Part Number (P/N).

CONSULT-III plus Ver VIN.	Vehicle :	Country : U.S.A.
Back Rome Print Screen Capture	Measurement Mode Recorded Data Help 11.8V VI	MI X
Configuration	ion Selection Save ECU Data	7/7
Save ECU Data		
	e current part number as listed below to CONSULT. h by selecting suitable operation log. Operation log is era	ised
File Label	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Operation Stop 6 A. Cu		
System Step 6A: <u>Cu</u>	ENGINE	
Part Number	23710	
Vehicle	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
VIN	xxxxxxxxxxxxxxxxxx	
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** on the next page.
  - 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 -		
2014 370Z and	1A39E		
370Z Roadster	3GM0A, 3GM1A, 3GM2A, 3GM3A		
	1A35C, 1A39D		
2013 370Z and 370Z Roadster	3GY0A, 3GY1A, 3GY2A, 3GY3A		
	3GY0B, 3GY1B, 3GY2B, 3GY3B		
0040.0707	1A36C, 1A39A		
2012 370Z and 370Z Roadster	1EH0A, 1EH1A, 1EH0B, 1EH1B		
	1TH0A, 1TH1A, 1TH0B, 1TH1B		
	9CJ0A		
2014 Frontier and Xterra	9CJ1A 9CJ2A		
	9CJ3A		
	9CF0A, 9CF0B		
2013 Frontier and Xterra	9CF2A, 9CF2B		
	9CF4A, 9CF4B		
	9BF0A, 9BF0B		
	9BF2A, 9BF2B		
2013 Frontier	9BF4A, 9BF4B		
	9BF6A, 9BF6B		
	9BF8A, 9BF8B		

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 Home Prin	nt Screen Capture	Recorded Data	11.8V VI MI	
Re/programming, Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	9/11
Select Program Data				
	rog/programming data listed b nming data is listed below, con in CONSULT.		and	
System	ENGINE			
Current Part Number	Part Number After Rep	oro/programming O	ther Information	
X00000X-X00000X	XXXXXX-XXXXXXX	XXXXXXXXXXX	xxxxxxxxxxxxxxx	
X00000X-X00000X	XXXXXXX-XXXXXXX	20000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
				Next
			0/0	
£		E' A		

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 8.

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

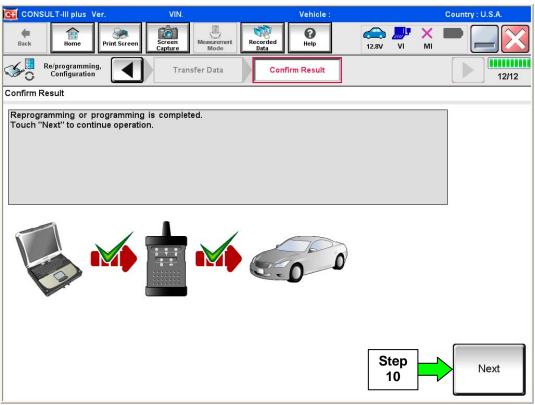


Figure 4

# NOTES:

- In the next steps (page 9), 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 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 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</u> on first attempt and can be selected more than once.

CONSULT-II plus Ver	VN years to white a	County Lacan
Back Home Print Screen	Cattern Minor Attornel Cate	12.3V 📲 🙀 🗸
somigration	Transfer Data Corfee Resul	13/13
Confirm Result		
Reprogramming or programming is n operation on this ECU Touch "Reny" to retry reprogramming	ot completed propertly, but you can retry reprog g or programming.	
Part number after Reprociprogramming	26482-3000	cx.
Part number sefore Reprog/programming	264B2-XXX0	CX
Part number before	254B2-XXX QASHQAI	
Fart number selvre Reprog/programming		
Part number before Reprogramming Vehicle	QASHQAI	
Part number before Reprog/programming Vehicle VIN	QASHQAI SJNFDNJ10U10	00000
Partnumber sehre Reprogramming Vehicle VIN System	QASHQAI SUNFONITOUT BCM	00000

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).

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.

CONSULT-IL DIUS Ver	VIN:	Veticle (CLASHQA)	County : Japan
Ball Hone Print Screer	Entern School Heassborert	Terestriked HH0 C3.7V	🧶 💥 🖿 🛄 🔀
Belprograming.	Trevefer Data	Confirm Result	99
Confirm Result			
Reprogramming is not completed p -Print this screen as needed. Confil with procedure. -Restart CONSULT with disconnect	m CONSULT version, IG	N/Power switch position, shift position reprogramming again.	n and de
Part number after Reprog/programming		284E2-XXXXX	
and a bundle of the second sec			
Current part number		284B2-XXXXX	
		284R2-XXXXX QASHQAI	
Current part number			
Current part number Vehicle		QASHQAI	
Current part number Velkele VIN		QASHQAI SJNFDNJ10U100000	
Current part number Vehicle 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 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)
  - Battery voltage: More than 12.9V (At idle)
  - Selector lever: P or N
  - Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
  - o 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 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**.

CONSULT-III plus Ver	VIN:	Vehicle :		Country : U.S.A.			
Back Home Print Screen S	creen apture	Recorded Data	14.3V VI	× = _ X			
Re/programming, Configuration	Erase 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					
Part number before Reprog/programming	13	23710					
Vehicle		*****					
VIN		****	-				
System		ENGINE	Step 14	Print			
Date		11/3/201× 2:10:21 AM					
Step 15							
1				· · ·			

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) 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) 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.