

SERVICE BULLETIN

Classification: EC13-018a

Reference: ITB13-056a COPYRIGHT© NISSAN NORTH AMERICA, INC. Date:

February 13, 2014

INFINITI; 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: 2014 Q50 Sedan (V37) 2014 Q50 Hybrid (V37) 2012-2013 G37 Sedan (V36) 2012-2013 G37 Coupe (V36) 2012-2013 G37 Convertible (V36) 2014 Q60 Coupe (V36) 2014 Q60 Convertible (V36) 2013 FX37 (S51) with VQ37HR engine only 2014 QX70 (S51) with VQ37HR engine only 2013 EX37 (J50) 2014 QX50 (J50) 2013 M37 Sedan (Y51)

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 entire **SERVICE PROCEDURE** as it contains information that is essential to successfully completing this repair.

Infiniti 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 Infiniti 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) 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: 70 105°C (158 - 221°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.

CAUTION:

- Connect the GR8 to the vehicle 12 volt 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</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 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 / connected.
 - The serial number will display when the plus VI is recognized / connected.
- 4. Select **Re/programming**, **Configuration**.

	GT CONSULT-III plus Ver.V12.12	.00 VIN:-	Vehicle : -	Country : U.S.A.	
	Back Home Print Scree	en Screen Measurement Reco	Porded Help 11.8V		
	Connection Status —		Diagnosis Menu		
	Serial No.	Status	Diagnosis (O)ne System)	
VI is recognized	VI 2300727	►>>)))) Normal Mode/Wireless connection	Diagnosis (A	All Systems)	
	MI -	\bigotimes			
		No connection	🐝 📴 Re/programm	ming, Configuration	Step 4
	Select VI/MI		Immobilizer		
	Application Setting				
	Sub mode	Language Setting	Maintenance		
	VDR				
		Fig	ure 1		

- 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 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 Home	Print Screen Capture	Measurement. Mode	Recorded Data	() Help	11.8V	Y, VI	X I MI	
Re/programming, Configuration	Opera	tion Selection	Save	ECU Data				717
Save ECU Data								
Touch "Save" to save o Operation log helps to r after operation has com	estart next operation						ed	
File Label			x	****	xx			
Operation			RI	PROGRAMMI	NG			
System	6A: <u>Current</u> E	CM P/N		ENGINE				
Part Number				23710	-			
Vehicle			>	*****	xxx			
VIN			X	xxxxxxxxxxxxx	XXX			
Date			11/	1 <i>1</i> 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 and 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>. Close C-III plus and refer to ASIST for further diagnostic information.

Model	Model Year	Current ECM Part Number: 23710-				
		4GA7A, 4GA8A, 4GA9A				
Q50 Sedan	2014	4GA7B, 4GA8B, 4GA9B				
	2014	4GB1A, 4GB2A, 4GB3A				
		4GB1B, 4GB2B, 4GB3B				
O50 Hybrid	250 Hybrid 2014 -	4GA0A, 4GA1A				
		4GA0B, 4GA1B				

Table A

Table A (cont'd)

Model	Model Year	Current ECM Part Number: 23710-			
0/0.0	0014	1A40A, 1A40B			
Q60 Coupe	2014	3WJOA, 3WJ1A, 3WJ2A, 3WJ3A, 3WJ4A, 3WJ5A, 3WJ6A			
0/0.0		1A40C			
Q60 Convertible	2014	3WK0A, 3WK1A, 3WK2A, 3WK3A, 3WK4A			
	2013	3LW0A, 3LW1A, 3LW2A, 3LW3A, 3LW4A, 3LW5A, 3LW6A			
C27 Sodan		EY00A, EY01A, EY02A, EY03A, EY04A, EY05A, EY06A			
G37 Sedan	2012	EY00B, EY01B, EY02B, EY03B, EY04B, EY05B, EY06B			
		EY00C, EY01C, EY02C, EY03C, EY04C, EY05C, EY06C			
	2012	1A36D, 1A36E			
G37 Coupe	2013	JK35A, JK36A, JK37A, JK38A, JK39A, JK50A, JK51A			
		1A34C, 1A34D, 1A37A, 1A37B, 1A39B, 1A39C			
	2012	1JT0A, 1JT1A, 1JT2A, 1JT3A, 1JT4A, 1JT5A, 1JT6A			
		1JT0B, 1JT1B, 1JT2B, 1JT3B, 1JT4B, 1JT5B, 1JT6B			
		1JT0C, 1JT1C, 1JT2C, 1JT3C, 1JT4C, 1JT5C, 1JT6C			
	2013	1A34E			
	2013	CT60A, CT61A, CT62A, CT63A, CT64A			
G37 Convertible		1VZ0A, 1VZ1A, 1VZ2A, 1VZ3A, 1VZ4A			
	2012	1VZ0B, 1VZ1B, 1VZ2B, 1VZ3B, 1VZ4B			
	2012	1VZ0C, 1VZ1C, 1VZ2C, 1VZ3C, 1VZ4C			
		1VZ0D, 1VZ1D, 1VZ2D, 1VZ3D			
2014 QX70	2014	3GT0A, 3GT1A, 3GT2A, 3GT3A			
2013 FX37	2013	1WY4A, 1WY5A, 1WY6A, 1WY7A			
2014 QX50	2014	3WW0A, 3WW1A, 3WW2A, 3WW3A			
2013 EX37	2013	1BN1A, 1BN2A, 1BN3A, 1BN4A			
2012 M27 2012		1PR0A, 1PR1A, 1PR2A, 1PR3A, 1PR4A, 1PR5A			
2013 M37	2013	1PR0B, 1PR1B, 1PR2B, 1PR3B, 1PR4B, 1PR5B			

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 ITBXX-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.

G CONSULT-III plus Ver.	VIN:	Vehicle :		Country : U.S.A.
Back Home Prin	t Screen Screen Mode	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.		Ind	
System	ENGINE			
Current Part Number	Part Number After Repr	o/programming Ot	her Information	
xxxxxxx	XXXXXX-XXXXXXX	xxxxxxxxx	000000000000000000000000000000000000000	
XXXXXX-XXXXXX	XXXXXX-XXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	000000000000000000000000000000000000000	
				Next
			0/0	

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.

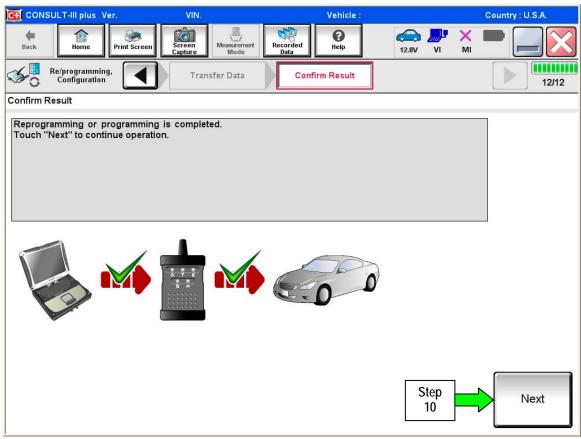


Figure 4

NOTE:

- In the next steps, starting on 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.

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[®] 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 first</u> <u>attempt and can be selected more</u> <u>than once</u>.

hide .		Country Japan	
in Resul		1313	
retry reprog/program	nming	R	
28482-XXXXX			
26482-XXXXX			
QASHQAI			
FDNJ10U100000			
вси			
07/2011 16 30.00		Retry	
		Print	

Figure 5

If reprogramming does \underline{not} 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-ILBUS Ver	VIN: Vehicle : G	IASHQAI County : Japan
Bais Hone Print Screek	Screen Heassment Roards Hea	
Sortigization	Transfer Data	ot 📗 🛄
confirm Result		
with precedure.	sparity, n CONSULT version, IGN/Power switch p ng VI once, and start the reprogramming a	
Part number after Reprog/programming	284B2	-xxxxxx
Keprog/programming	10.00.0	000201V.
	28482	XXXX
Current part number		
Current part number Vehicle	QAS	
Current part number Vehicle VIN	QAS S.NFDNJ	ндлі
Keprop programming Current part number Velkole VIN System Deta	CAS S.NEDU B	190100000
Current part number Vehicle VIN System	CAS S.NEDU B	19U100000 CM

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)
 - o 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
 - 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.

CONSULT-III plus Ver	VIN:	Vehicle :		C	Country : U.S.A.			
Back Home Print Screen SC	reen pture Mode		14.3V VI	MI				
Re/programming, Configuration	Erase All DTC	s Print Result / Operation Complete			18/18			
Print Result / Operation Complete								
In case CONSULT can NOT immediate temporally storage of this page. Touch	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	Step	23710						
Part number before Reprog/programming	13	23710						
Vehicle		******						
VIN		*****		_				
System		ENGINE	Step 14		Print			
Date		11/3/201× 2:10:21 AN	14					
			Step 15		Confirm			
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) 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) and use the ECM assembly part number as the Primary Failed Part (PFP).

(2) Reference the current Infiniti 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.