



NTB15-058

June 30, 2015

Date:

370Z COUPE AND ROADSTER; MIL ON WITH DTC P0101 AND/OR P010B

APPLIED VEHICLES: 2011-2015 370Z Coupe (Z34) 2011 - 2015 370Z Roadster (Z34)

IF YOU CONFIRM:

EC15-014

The MIL is ON with DTC P0101 and/or P010B (MAF SEN/CIRCUIT-B1/B2)

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(s).

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

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



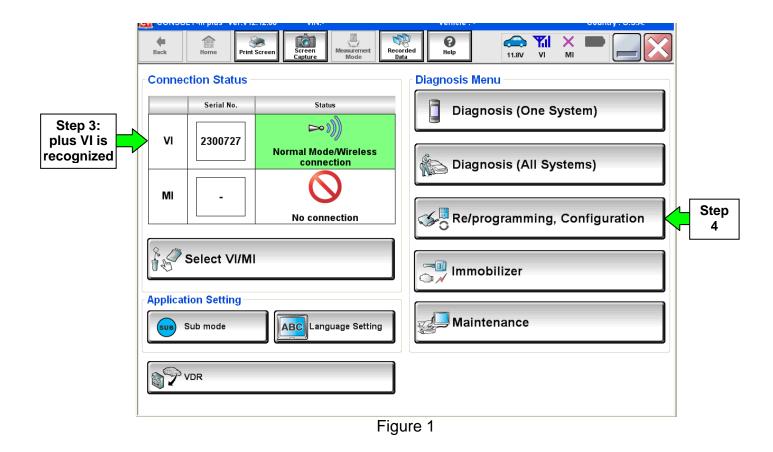
Figure A

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[®] 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 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 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 Home Print Screen Capture	Massurement Recorded Mode	11.8V VI MI	
	ation Selection Save ECU Data]	717
Save ECU Data			
Touch "Save" to save operation log and th Operation log helps to restart next operatio after operation has completely finished.			
File Label	XNXXXX	KONAKXX	
Operation Stop 6	REPROGRAMM	ling	
System Step 6			
Part Number	23710-30304	EX.	
Vehicle	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	КХXX	
VIN	RNRKHKK	M00X4XXX	
Date	KKRRKKK	RAWXX	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>. Close C-III plus and refer to ASIST for further diagnostic information.

Table A

Model	Model Year	Current ECM Part Number: 23710-		
		1EW0B		
	2011	1EW0D		
	2011	1TG0B, 1TG1B, 1TG2B		
		1TG0D, 1TG1D, 1TG2D		
		1EH0A, 1EH1A		
		1EH0B, 1EH1B		
370Z 2012 Coupe and Roadster	2012	1EH0C, 1EH1C		
	2012	1TH0A, 1TH1A		
		1TH0B, 1TH1B		
		1TH0C, 1TH1C		
		3GY0A, 3GY1A, 3GY2A, 3GY3A		
	2013	3GY0B, 3GY1B, 3GY2B, 3GY3B		
		3GY0C, 3GY1C, 3GY2C, 3GY3C		
	2014	3GM0A, 3GM1A, 3GM2A, 3GM3A		
	2014	3GM0B, 3GM1B, 3GM2B, 3GM3B		
	2015	6GA0A, 6GA1A, 6GA2A, 6GA3A, 6GA4A, 6GA5A		

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.

	tt Screen Screen Measurement	Recorded Bata	11.8V VI MI	
Re/programming, Configuration	Precaution	Select Program Data	Condition	9/11
Select Program Data				
	rog/programming data listed be nming data is listed below, confi in CONSULT.		l and	
System	ENGINE			
Current Part Number	Part Number After Repr	o/programming	Other Information	
xxxxx-xxxxx	xxxxx-xxxxx	xxxxxxxxxxx	XXXXXXXX	
XXXXX-XXXXX	XXXXX XXXXX	XXXXXXXXXXXX	XXXXXXXX	
				Next
			0/0	
7				

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 no complete), refer to ECM recovery on the next page.

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

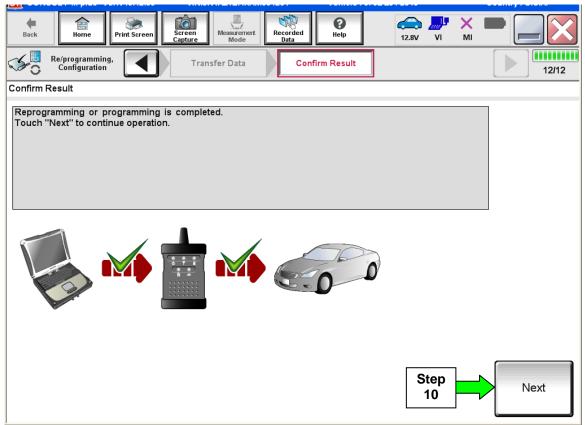


Figure 4

NOTE:

- 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 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</u> <u>first attempt and can be</u> <u>selected more than once</u>.

CONSULT-II plue Ver	VN	Vanicia		Ecurity : Jacon
Back Home Print Scree	n Cathan Made	Recorded Data	12.3V VI	× =
sonigistion	Transfer Data	Confirm Resul		1313
onfirm Result				
Reprogramming or progaritming operation on this ECU. Touch "Reity" to reity reprogram		but you can retry reprogr	programming	
Part number after				_
Reprog/programming		284B2-XXXX	x	
Reprog/programming Part number Sefore		28482-XXXX 28482-XXXX	33	
Reprog/programming Part number before Reprog/programming			33	
		284B2-XXXX	x	
Reprogramming Part number before Reprogramming Vehicle		284B2-XXXX QASHQAI	x	
Reprogramming Part number before Reprogramming Vehicle		28482-XXXX QASHQAI SJNFDNJ10U10	X 0000	Retry
Reprog/programming Part number before Reprog/programming Vehicle VIN		284B2-XXXX QASHQAI SJNFDNJ10U10 BCM	X 0000	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-ILBUS Ver	MN	Vehicle : QASHQAI	County : Japan
Back Hone Print Screek	Neas.renert Ro	estrad Date Help 6.7	e 📲 💥 🖿 📖 🔀
Re/programiag.	Transfer Esta	Confirm Result	9/9
onfirm Result			
Reprogramming is not completed prope Print this screen as needed. Confirm C with precedure. -Restart CONSULT with disconnecting 1	ONSULT version, IGN		tion and etc
Part number after Reprog/programming		284E2-XXXXX	
Current part number		284E2-XXXXX	
Vahicle		QASHQAI	
1946			
VIN		SJNFDNJ10U100000	
VIN System		BCM	
System		всм	

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 Home Print Screen Capture	Messurement Mode	(14.3V VI MI	-
Re/programming, Configuration	se All DTCs Print Result / Operation Complete		18/18
Print Result / Operation Complete			
All tasks are completed. Confirm LAN acce In case CONSULT can NOT immediately ac- temporally storage of this page. Touch "Scr Data Folder" on desk top, and open the fold	cess to LAN or printer, Screen Capture func een Capture'', and save it. Screen capture d		
	tep 23710- *8328 ×		
Part number before Reprog/programming	13 23710-#8#28×		
Vehicle	Z3443000 X		
VIN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ĸ	
System	ENGINE	Step	Print
Date	XXXX820XXX2XXX820XXXX		
		Step 1/1 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.