

EC16-018

NTB16-057

June 3, 2016

Date:

# 2016 MAXIMA; MIL ON WITH DTC P0507 STORED

APPLIED VEHICLES: 2016 Maxima (A36)

### **IF YOU CONFIRM**

• The MIL is ON with DTC P0507 (ISC SYSTEM) stored.

### 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.

**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 <u>the ECM may be damaged</u>.
- 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.

Step 3: plus VI is recognized	VI MI Applicat	Nome       Print         Serial No.       2300727         2300727       -         Select VI/MI       -         Select VI/MI       -         Sub mode       -	Status Description Normal Mode/Wireless connection No connection	Image: Step of the second
		VDR	Fig	ure 1
	Applicat	t <mark>ion Setting</mark> Sub mode	Language Setting	4

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	Mode Save ECU Data						
Configuration       Operation Selection       Save ECU Data       7/7         Save ECU Data       7/7       7/7       7/7         Save ECU Data       7/7       7/7       7/7         Contiguration       100 peration log helps to restart next operation by selecting suitable operation log. Operation log is erased after operation has completely finished.       7/7							
File Label Operation System Current EC Part Number		•					
Vehicle VIN Date	X X XRBWERKHERKBERG X X XXXXX RBWERKERKERKERKE X X XXXXX RBWERKERKERKERKER X X XWERKERKERKERKERKER	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-		
	4RA0A, 4RA1A, 4RA2A, 4RA3A		
2016 Maxima	4RA1B, 4RA2B		
	4RA1C, 4RA2C		
	4RA0E		

#### 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 Home Prin	t Screen Capture Mode	Recorded Data	Confirm Vehicle Condition	9/11
Select Program Data			Condition	9/11
				_
	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				
			010	Next
			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.

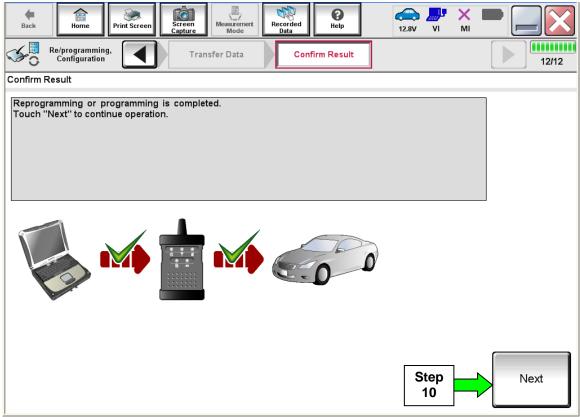


Figure 4

#### 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 plus Ver	VN	Usticie		Country : Jacon
Back Home Print Sceen	Screen Mode	woordwo Data	12.3V VI MI	-
sonigistion	Transfer Data	Confirm Resul		1313
Confirm Result				
Reprogramming or programming is no operation on this ECU. Touch "Retry" to retry reprogramming		ut you can retry reprogr	programming	R
Part number after Reprog/programming		284B2-XXXX	x	
Part number before Reprog/programming		284B2-XXXX		
Vehicle		QASHQAI		
VIN		SJNFDNJ10U10	00000	
System		BCM		
Date		26/07/2011 16:30:00		Retry
Error Code				

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-ILDUS Ver.	VIN Vehicle : QASHQAI	County : Japan
Bark Hone Print Screek	Recent Mode Page Page Page Page Page Page Page Pag	<b>,                                    </b>
Configition	Transfer Ente	9/9
onfirm Result		
with precedure.	rly. DNSULT version, IGN/Power switch position, shift position /I once, and start the reprogramming again.	ard etc
Part number after Reprog/programming	28482-XXXXX	
uch all had muraid		
	28482-30000	
Current part number	28482-XXXXX QASHQAI	
Current part number		
Current part number Vehicle VIN System	QASHQAI	
Current part number Vahicle	QASHQAI SUNFDHJ19U100000	
Current part number Vehicle VIN System	CASHQAI CASHQAI SUNFDNJ10U100000 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	🚔 🔑 🗙 I 4.3V VI MI						
Re/programming, Configuration	se All DTCs Print Result / Operation Complete		18/18					
Print Result / Operation Complete								
All tasks are completed. Confirm LAN 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 23710-18428x								
	23710-112 23710-112 122 23710-112 122 23710-112 122 23710-112 122 23710-112 122 23710-112 122 23710 23							
Vehicle	2943702							
VIN	XMXAXXEXHMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA							
System	ENGINE	Step	Print					
Date	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	14						
1/1 Step 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.