

# SERVICE BULLETIN

Classification:

EC13-007b

NISSA

NTB13-054b

January 11, 2018

Date:

### ALTIMA AND ROGUE; ENGINE TURNS OFF OR HESITATES WHEN ACCELERATING FROM A STOP DURING HOT AMBIENT TEMPERATURES (+100°F)

This bulletin has been amended. The APPLIED VEHICLES section and Table A on pages 5 and 6 have been revised. No other changes have been made. Please discard previous versions of this bulletin.

APPLIED VEHICLES: 2013-2017 Altima Sedan (L33) 2014-2017 Rogue (T32)

APPLIED ENGINE: QR25DE

#### IF YOU CONFIRM

The engine turns OFF or hesitates when accelerating from a stop during hot ambient temperatures (+100°F),

#### AND

The engine is able to be restarted.

#### ACTION

- 1. Refer to step 6 in the **SERVICE PROCEDURE** to see if 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

**IMPORTANT:** Before starting, make sure:

- ASIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) software updates (if any) have been installed.

#### NOTE:

- Most instructions for reprogramming with 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 a battery charger 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</u> <u>be 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 the ECM may be damaged.

- 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.

	CONSUL Back	T-III plus Ver. Eme	8	VIN:- een ture Measurement Mode	58	ehicle : - 20 Ielp 11.81			
	Connect	tion Status	s		Diagn	osis Menu			
		Serial No.		Status	- 0	Diagnosis (	One Syst	tem)	
Step 3	VI	2300727		► >>>))) I Mode/Wireless connection		Diagnosis (	All Syste	ms)	
	мі	•	]			Re/program	ming, Co	onfiguration	Step 4
	°€ S	elect VI/I	мі					-	
		o <mark>n Setting</mark> ub mode	ABC	Language Setting		Maintenanc	e		
		DR							
					Figuro 1				

Figure 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 <u>current</u> ECM Part Number (P/N).

CONSULT-III plus Ver	VIN.	Vehicle .	Country : U.S.A.
Back Home Print Screen	n Screen Measurement R	ecorded Data	
Re/programming, Configuration	Operation Selection	Save ECU Data	70
ve ECU Data			
peration log helps to restart n fter operation has completely fi ille Label			
operation		REPROGRAMMING	
Operation System	Current P/N	ENGINE	
	Current P/N		
System	Current P/N	ENGINE	
ystem Part Number	Current P/N	ENGINE 23710	
vystem vart Number rehicle	Current P/N	ENGINE 23710	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 pages 5 and 6.
  - 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 - Altima

See next page for Rogue vehicles.

Model	Year	Current ECM Part Number: 23710 -
	2013	3TA0A, 3TA0B, 3TA0C, 3TA1B, 3TA1C, 3TA1D, 3TA6A, 3TA6B, 3TA6C, 3TA7A, 3TA7B, 3TA7C, 3TA8A, 3TA8B, 3TA8C, 3TY0A, 3TY0B, 3TY0C, 3TY1A, 3TY1B, 3TY1C, 3TY6A, 3TY6B, 3TY6C, 3TY7A, 3TY7B, 3TY7C, 3TY8A, 3TY8B, 3TY8C
	2014	9HM3A, 9HM3B, 9HM4A, 9HM4B, 9HM5A, 9HM5B, 9HM6A, 9HM6B, 9HM7A, 9HM7B, 9HM8A, 9HM8B
Altima Sedan with QR25DE Engine	2015	9HP0A, 9HP0B, 9HP0C, 9HP0D, 9HP1A, 9HP1B, 9HP1C, 9HP1D, 9HP2A, 9HP2B, 9HP2C, 9HP2D, 9HP3A, 9HP3B, 9HP3C, 9HP3D, 9HP3E, 9HP4A, 9HP4B, 9HP4C, 9HP4D, 9HP4E, 9HP5A, 9HP5B, 9HP5C, 9HP5D, 9HP5E
	2016	9HN4A, 9HN4B, 9HN4C, 9HN4D, 9HN4E, 9HN5A, 9HN5B, 9HN5C, 9HN5D, 9HN5E, 9HN6A, 9HN6B, 9HN6C, 9HN6D, 9HN6E, 9HN7A, 9HN7B, 9HN7C, 9HN7D, 9HN7E, 9HN8A, 9HN8B, 9HN8C, 9HN8D, 9HN8E, 3TY2A, 3TY2B, 3TY2C, 3TY2D, 3TY2E, 3TY3A, 3TY3B, 3TY3C, 3TY3D, 3TY3E, 3TY4A, 3TY4B, 3TY4C, 3TY4D, 3TY4E, 3TY5A, 3TY5B, 3TY5C, 3TY5D, 3TY5E, 3TY9A, 3TY9B, 3TY9C, 3TY9D, 3TY9E, 3TH0A, 3TH1A, 3TH2A, 3TH3A, 3TH4A, 3TH5A, 3TH6A, 3TH7A, 3TH8A, 3TH9A
	2017	9HL0A, 9HL0B, 9HL0D, 9HL1A, 9HL1B, 9HL1D, 9HL2A, 9HL2B, 9HL2D 9HL3A, 9HL3B, 9HL3D, 9HL4A, 9HL4B, 9HL4D 3TF7A, 3TF8A, 3TF9A

Model	Year	Current ECM Part Number: 23710 -
	2014	4BA1A, 4BA1B, 4BA2A, 4BA2B
	2015	5HA1A, 5HA1B, 5HA2A, 5HA2B, 5HA3A, 5HA3B, 5HA3C, 5HA4A, 5HA4B, 5HA4C
Rogue with QR25DE Engine	2016	5HB0A, 5HB1A, 5HB2A, 5HB3A, 5HJ0A, 5HJ0B, 5HJ0C, 5HJ0D, 5HJ0E, 5HJ1A, 5HJ1B, 5HJ1C, 5HJ1D, 5HJ1E, 5HJ2A, 5HJ2B, 5HJ2C, 5HJ2D, 5HJ2E, 5HJ3A, 5HJ3B, 5HJ3C, 5HJ3D, 5HJ3E, 5HJ4A, 5HJ4B, 5HJ5A, 5HJ5B, 5HJ6A, 5HJ6B, 5HJ7A, 5HJ7B 4BU0A, 4BU1A, 4BU2A, 4BU3A, 4BU4A, 4BU5A, 4BU6A, 4BU7A, 4BT0A, 4BT0B, 4BT1A, 4BT1B, 4BT2A, 4BT2B, 4BT3A, 4BT3B, 4BT4A, 4BT4B, 4BT5A, 4BT5B, 4BT6A, 4BT6B, 4BT7A, 4BT7B, 6FJ0A, 6FJ0B, 6FJ0C, 6FJ0D, 6FJ0E, 6FJ1A, 6FJ1B, 6FJ1C, 6FJ1D, 6FJ1E, 6FJ2A, 6FJ2B, 6FJ2C, 6FJ2D, 6FJ3E, 6FJ3A, 6FJ3B, 6FJ3C, 6FJ3D, 6FJ3E, 6FJ4A, 6FJ4B, 6FJ4C, 6FJ4D, 6FJ4E, 6FJ5A, 6FJ5B, 6FJ5C, 6FJ5D, 6FJ5E, 6FJ6A, 6FJ6B, 6FJ6C, 6FJ6D, 6FJ6E, 6FJ7A, 6FJ7B, 6FJ7C, 6FJ7D, 6FJ7E, 6FK0A, 6FK0B, 6FK0C, 6FK0D, 6FK1A, 6FK1B, 6FK1C, 6FK1D, 6FK2A, 6FK2B, 6FK2C, 6FK2D, 6FK3C, 6FK3D
	2017	6FL0A, 6FL0B, 6FL0C, 6FL0D, 6FL1A, 6FL1B, 6FL1C, 6FL1D, 6FL2A, 6FL2B, 6FL2C, 6FL2D, 6FL3A, 6FL3B, 6FL3C, 6FL3D, 6FL4C, 6FL4D, 6FL5C, 6FL5D, 6FL6C, 6FL6D, 7FF0A, 7FF1A, 7FF2A, 7FF3A, 7FF4A, 7FF5A, 7FF6A, 7FF7A, 7FF8A, 5HK0A, 5HK0B, 5HK0C, 5HK0D, 5HK1A, 5HK1B, 5HK1C, 5HK1D, 5HK2C, 5HK2D 7FP0A, 7FP0B, 7FP0C, 7FP0D, 7FP1A, 7FP1B, 7FP1C, 7FP1D, 7FP2A, 7FP2B, 7FP2C, 7FP2D, 7FP3A, 7FP3B, 7FP3C, 7FP3D, 7FP4C, 7FP4D, 7FP5C, 7FP5D, 7FP6C, 7FP6D, 7FR3A, 7FR4A, 7FR5A, 7FR6A

#### Table A - Rogue

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.

CONSULT-III plus Ver-	VINE	Vehicle :	Country: U.S.A.
Back Banno Print Scree	en Streen Mode Re	meded Nelp 11.85	) 🖬 🕺 📟 🛄 🔀
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Select Program Data			
Touch and select the reprogly In case no reproglyprogrammin reproglyprogramming data in Cl System	aregramming data listed below, g data is listed below, confirm b ONSULT. ENGINE	re vehicle selection, VIN and	
Current Part Number	Part Number Alter Repro/pro	gramming Other Inf	formation
X00000X-X00000X	X00000K-X00000X	200000000000000000000000000000000000000	2000000000
X00000(-X00000X	X00000X-X00000X	200000000000	000000000
			(1. J. )
		010	Next

Figure 3

- Before reprogramming will start, you will be required to enter your User Name and Password.
  - > The CONSULT PC must be connected to the Internet (Wi-Fi or cable).
  - If you do not know your User Name and Password, contact your Service Manager.

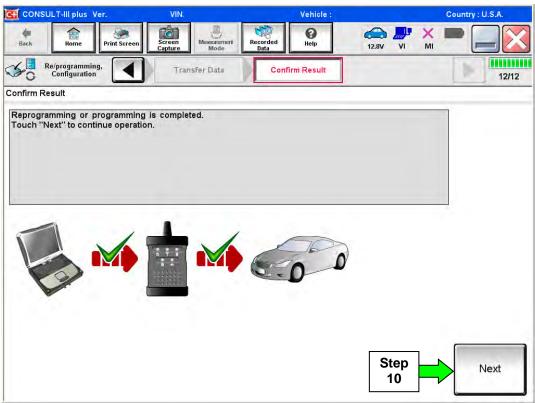
Ser.CSP44.	21 VIN. 1144 LOAP 110 242100	Venicle : ALTIMA sedan Los 20	States
Back Back Print Screet	Screen Measurement Recorded Data	Heip AL ERT 12.6V VI	× • • • ×
Configuration	Confirm Vehicle User	Authentication Transfer Da	ita 11/12
User Authentication			
(S) SERVICE AUTO			
a comme			
Daimler WS			
	Please enter your UserID below.		
	Usemame:		
	Password		
	Submit		
R4stanl Login			Secure Autor

Figure 4

8. When the screen in Figure 5 displays, reprogramming is complete.

**NOTE:** If the screen in Figure 5 does <u>not</u> display (which indicates reprogramming did <u>not</u> complete), refer to the information on the next page.

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





#### NOTES:

- In the next steps (page 10), 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 6:

- 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.

	WN.	Unicipie		Country Jacan	
Ban Parro Print Scorer	Andrew Made	Wester Hate	12.TV VI MI		
So responsanting.	Same part	Centim Resol		13/13	
Confirm Result					
Reprogramming or programming is not or operation on this ECU. Touch "Reny" to reby reprogramming or		ut you can retry reprogé	programming	R	
Part number after Replociprogramming		284E2-XXXX	x		
Partnumber Selbre		water diam	28482-XXXXX		
Reprogramming		28482-XXXX	x	-	
		254B2-XXXX QASHQAI	x		
Reprog/programming	-				
Reprog/programming Vehicle		QÁSHQAI			
Reprogramming Vehicle Viki		QÁSHQAI SJNFDNJ16U10	2000	Retry	
Reprogipregramming Vehicle VIN System		QASHQAI SJNFDNJ16U10 BCM	2000	Retry	

Figure 6

# If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 7:

- 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	VIN	Vehicle (GABHQA)	County Huden	
A Hand Phit Scree	Scheen Alers rement	Magaridad Helin di siy	🛃 💥 🖿 🛄 🔯	
Confidelion	-to-so	Certific field	9/9	
Confirm Result				
Reprogramming a red completed .Print this screen as needed. Cor with procedure. .Restart CONSULT with disconre	firm CONSULT version.	KGN/Power switch position, shift position the reprogramming again	hard de	
Part number after Reprog/programming		28482-XXXXX		
Current part number		28482-3XXXX		
Valsele		IVOHSVO		
VIN		SUNFDNJ 150100000		
System		BCM		
Dete		25/07/2011 16:30:00		
Information			[]	
Error Code			Print	

Figure 7

11. Follow the on-screen instructions to perform the following:

- Throttle Valve Closed Position
- Idle Air Volume Learn (IAVL)

#### NOTE:

- > Listed below are common required conditions 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 -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 8 will display.
- 13. Verify the before and after part numbers are different.
- 14. Print a copy of this screen (Figure 8) 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	Screen Capture	Recorded Data	🚗 🗾 X 14.3V VI MI	
Configuration	Erase All DTCs	Print Result / Operation Complete		18/18
Print Result / Operation Complete				
All tasks are completed. Confirm LA In case CONSULT can NOT immedia temporally storage of this page. Tou Data Folder" on desk top, and open	tely access to LAN o ch "Screen Capture"	r printer, Screen Capture functio , and save it. Screen capture dat reenImages''.	n is available for a is in "CIII plus	
Reprog/programming	Step	23710		
Part number before Reprog/programming	13	23710		
Vehicle		******		
VIN		*****		
System		ENGINE	Step	Print
Date		11/3/201× 2:10:21 AM	14	
2			Step 15	Confirm

Figure 8

- 16. Close C-III plus.
- 17. Turn the ignition OFF.
- 18. Disconnect the plus VI from the vehicle.

#### **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)

(1) Refer to the electronic parts catalog (FAST or equivalent) and use the ECM part number as the Primary Failed Part (PFP).

(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.