

SERVICE BULLETIN Classification: Reference:

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EC13-012c

NTB13-100c

Date: August 25, 2016

VERSA SEDAN AND VERSA NOTE; ENGINE TURNS OFF OR HESITATES WHEN ACCELERATING FROM A STOP DURING HOT AMBIENT TEMPERATURES (+100°F)

This bulletin has been amended. The APPLIED VEHICLES and IF YOU CONFIRM sections, as well as Table A on page 5 have been revised. Please discard all previous versions.

APPLIED VEHICLES:

2012-2016 Versa Sedan (N17) 2014-2016 Versa Note (E12)

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.
- 3. For 2013 Versa Sedan only: If ECM reprogramming applies, determine if TCM reprogramming also applies.
 - Refer to page 6 in the SERVICE PROCEDURE.

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:

- <u>For 2013 Versa Sedan only</u>: This procedure <u>may</u> require reprogramming of the <u>ECM</u> <u>and TCM</u> which means most steps in this procedure may need to be done <u>twice</u>.
- 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 -100°C (158 - 212°F)
 - Battery voltage: More than 12.9V (At idle)
 - Transmission: Warmed up



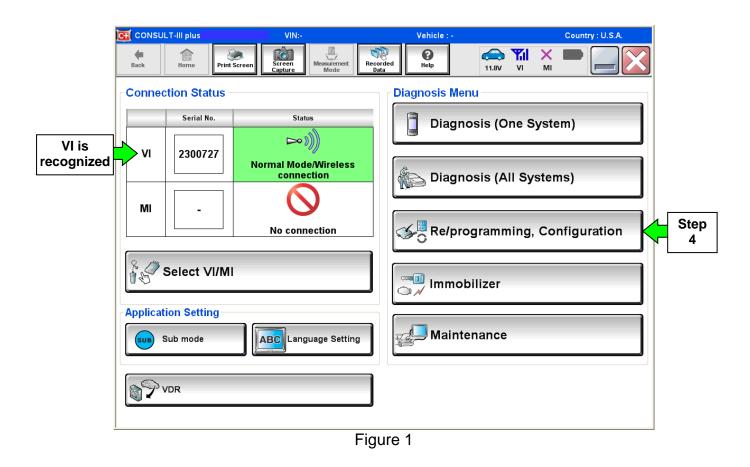
Figure A

• 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 12V battery and select ECM Power Supply Mode. If the vehicle battery voltage drops below <u>12.0V or rises 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[®] 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. Open / Start C-III plus.
- 3. Wait for the plus VI to be recognized.
 - Serial number will display when the plus VI is recognized.
- 4. Select Re/programming, Configuration.



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

CONSULT-III plus		Country : U.S.A.
Back Home Print Screen Capture	Messrement Mode Recorded Data	
Configuration	tion Selection Save ECU Data	717
Save ECU Data		
	e current part number as listed below to CONSULT. n by selecting suitable operation log. Operation log is erased	
File Label	비 (박기 분)(비, 사다)가 (대사)는 100대 4	
Operation 6A: <u>Current</u>	REPROGRAMMING	-
System		
Part Number	#237 #0#1 M GOA	
Vehicle		
VIN	81.141 1974 AP # 04/18 1804 4	
Date	11/1/2011 1:22:16 AM	Save

Figure 2

- B. Compare the P/N you wrote down to the numbers in the **Current** <u>ECM</u> Part Number column in **Table A** on the next page.
 - If there is an <u>ECM P/N match</u>, this bulletin <u>applies</u>. Continue with the ECM reprogramming procedure.
 - If there is not an ECM P/N match, this bulletin does not apply.

Table A

MODEL	MODEL YEAR	CURRENT <u>ECM</u> P/N: 23710-
2012		3AB2A, 3AB2D, 3AB2E, 3AB3A, 3AB3D, 3AB3E 3AB4A, 3AB4D, 3AB4E, 3AB9A, 3AB9B
	2013	9KA0B, 9KA1B, 9KA1C, 9KA2B, 9KA2C, 9KA3B, 9KA3C
Versa Sedan	2014	9KF0A, 9KF0B, 9KF1A, 9KF1B 9KF2A, 9KF3A
	2015	9KE0A, 9KE0B, 9KE0C 9KE1A, 9KE1B, 9KE1C, 9KE1D 9KE2A, 9KE2B, 9KE2D, 9KE2E
2016		9KN0A, 9KN0B, 9KN0C 9KN1A, 9KN1B, 9KN1C 9KN2A, 9KN2B, 9KN2C
	2014	3VB1B, 3VB2B, 3VB3B, 3VB4B 3VB5B, 3VB5C
2015 Versa Note		9MB0A, 9MB0B 9MB1A, 9MB1B 9MB2A, 9MB2C, 9MB2D 9MB3A, 9MB3C, 9MB3D 9MB4A, 9MB4C, 9MB4D 9MB5A, 9MB5C, 9MB5D
	2016	9MD0A, 9MD0B, 9MD0C 9MD1A, 9MD1B, 9MD1C 9MD2A, 9MD2B, 9MD2C 9MD3A, 9MD3B, 9MD3C 9MD4A, 9MD4B, 9MD4C 9MD5A, 9MD5B, 9MD5C

See the next page for 2013 Versa Sedan.

For 2013 Versa Sedan with CVT only:

If ECM reprogramming applies, you may need to perform TCM reprogramming.

- 1. If ECM reprogramming is needed, complete it first.
- 2. When ECM reprogramming is complete, restart the reprogramming process for the TCM.
- 3. When you get to step 6 on page 4, confirm TCM reprogramming is needed as follows: **NOTE:** The screen in Figure 2 on page 4 will be similar for TCM reprogramming.
 - A. Find the **TCM Part Number** and write it on the repair order.
 - B. Compare the P/N you wrote down to the number in the **Current TCM Part Number** column in **Table B**, below.
 - If there is a <u>TCM P/N match</u>, continue with TCM reprogramming procedure.
 - If there is <u>not a TCM P/N match</u>, this procedure is complete.

Table B

MODEL	MODEL YEAR	CURRENT <u>TCM</u> P/N: 31036-
Versa Sedan	2013	9KB1B, 9KB1C

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 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.

CONSULT-III plus				Country : U.S.A.
Back Horne	icreen Screen Capture	Recorded Data	11.8V VI MI	-
Re/programming, Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	9/11
Select Program Data				
	g/programming data listed be ning data is listed below, confi i CONSULT.		/IN and	
System	ENGINE			
Current Part Number	Part Number After Repr	o/programming	Other Information	
xxxxx-xxxxx xxxxx-xxxxx	xxxxx-xxxxx xxxxx-xxxxx		xxxxxxxxxxxx xxxxxxxxxxx	
		Figure 0	0/0	Next

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 the next page.

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

CONSULT-III plus	Country : U.S.A.
Image: Back Image: Back	12.8V VI MI
Re/programming, Configuration Transfer Data Confirm Result	12/12
Confirm Result	
Reprogramming or programming is completed. Touch "Next" to continue operation.	
	Step 10
,	



NOTE:

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

	VIN Ustic		Ecumby : Jacon
	ten Messarera Mode	нир 12.3V VI	× = _ X
resprograming.	Transfer Data	Reaul	1313
Confirm Result			
Reprogramming or programming is not cr operation on this ECU. Touch "Retry" to retry reprogramming or		try reprog/programming	R
Part number after Reprog/programming	125	HER-NOCIOCI	
Part number before Reprog/programming	-23	M284EBC-AKODOM	
CONTRACTOR CONTRACTOR CONTRACTOR			
Vehicle	•	QAGHQAI II	
	-	RAGINGALI Dinjaraharan	
Vehicle	S		_
Vehicle	Save	Canadian and a canadian and a canadian and a canadian a canadian a canadian a canadian a canadian a canadian a	Retry
Vehicle VIN System	Save		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-IL BUS Ver	VIN	Vehicle : QASHQAI	County : Japan
Bark Hone Philt Scre	H Extern Neasurement	Reported Help 42	🗟 📲 💥 🖿 🔜 🔀
Configition	Transfer Data	Confirm Result	99
Confirm Result			
Reprogramming is not complet -Print this screen as needed. C with precedure. -Restart CONSULT with discon	onfirm CONSULT version, N	GN/Power switch position, shift po the reprogramming again.	silion and etc
Part number after Reprog/programming		2048240000K	
Current part number		21482106068	
Vehicle		• •/•H0.0	
VIN			
System			
Date		25/07/2011 16:30:00	
Information			
Error Code			Print
7			

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 -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)
 - Steering wheel: Neutral (Straight-ahead position)
 - Vehicle speed: Stopped
 - o Transmission: Warmed up
- Accelerator Pedal Close Position Learning
- Erase DTCs

Go 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 Re/programming,	Measurement Mode Print Result /	
Configuration	Se All DTCs Operation Complete	18/18
Print Result / Operation Complete		
	cess to LAN or printer, Screen Capture function is av reen Capture'', and save it. Screen capture data is in '	
	itep 23710- 16328	
Part number before Reprog/programming	13 23710- XEV2E	
Vehicle	23433702	
VIN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
System		Step 14 Print
Date	11/3/2011 2:10:21 AM	
		Step 15 Confirm

Figure 7

- 16. Close C-III plus.
- 17. Turn the ignition OFF.
- 18. Disconnect the plus VI from the vehicle.
- 19. Make sure the vehicle 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 (and TCM reprogramming, if it applies) 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 ECM	(1)	DE97AA	HD	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.

AND if TCM Reprogramming Applies (2013 Versa Sedan only)

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	FRT
Reprogram TCM	(1)	JE99AA	(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.