



Reference:

Date:

NTB16-121

December 8, 2016

VOLUNTARY SERVICE CAMPAIGN 2013-2016 ALTIMA AND 2014-2016 ROGUE; TCM REPROGRAMMING

PC490 CAMPAIGN ID #: APPLIED VEHICLES: 2013-2016 Altima (L33) 2014-2016 Rogue (T32)

Check Service COMM to confirm campaign eligibility.

INTRODUCTION

Nissan is conducting this voluntary service campaign to reprogram the Transmission Control Module (TCM) for the transmission on certain specific 2013-2016 Altima and 2014-2016 Rogue vehicles. This TCM reprogram will be performed at no charge for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number PC490 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

Dealers are to repair vehicles falling within range of this campaign that enter the service department. This includes vehicles purchased from private parties, vehicles presented by transient (tourists) owners, and vehicles in a dealer's inventory.

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

Reprogram the TCM

- 1. Before continuing, it is IMPORTANT to make sure:
 - ASIST on the CONSULT PC has been freshly synchronized (updated) to the current date.
 - All CONSULT related software updates (if any) have been installed.

NOTE: The CONSULT PC automatically gets all reprogramming software during ASIST synchronization.

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 rises above 15.5V</u> during reprogramming, <u>the TCM may be damaged</u>.

- Be sure to turn OFF all vehicle electrical loads.
 If a vehicle electrical load remains ON, the TCM 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 TCM may be damaged</u>.
- 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 TCM may be damaged</u>.
- 2. Once all ASIST and CONSULT related updates have been performed, attach the CONSULT PC to the vehicle.
 - Connect the plus VI to the vehicle.
 - Connect the AC adapter to the CONSULT PC.
- 3. Turn ON the CONSULT PC, and then open CONSULT III plus (C-III plus).

NOTE: Make sure all applications other than C-III plus are closed.

- 4. Turn the ignition ON (engine OFF, not running).
 - The meter and gauges will illuminate.
- 5. Check for stored DTCs in all systems as follows:
 - a. Wait for the plus VI to be recognized.
 - b. Select Diagnosis (All Systems).
 - c. Wait for **System Call** to complete.
 - d. Check for stored DTCs.
 - If no DTCs found, go to step 6.
 - If any DTCs are found stored:
 - Perform diagnosis and repairs related to the stored DTC(s), and then erase the DTC(s).
 - > When completed, go to step 6.
- 6. Go to Re/programming, Configuration.
 - a. Select the **Home** button, and then **YES** to return to the screen shown in Figure 1.
 - b. Select Re/programming, Configuration.

Serial No. Status Plus VI is VI		
	Plus VI is	
recognized Normal Mode/USB connection Diagnosis (All Systems) Step 5b	recognized ₁	
No connection		
Application Setting		
Sub mode ABC Language Setting Maintenance		
Figure 1		

- 7. Use arrows (if needed) to view and read all precautions.
- 8. Check the box confirming the precautions have been read.
- 9. Select Next.



10. Select Nissan, Vehicle Name, and then the correct Model Year.

• If the screen in Figure 4 does not display, skip to step 11.

		Back Home	Print Screen Captur	ne Measurement Mode Re	Vehicle Selection	12.2V VI MI Vehicle Confirmation	
Ctan		Automatic Se	election(VIN)	Manual Select	ion(Vehicle Name)		
Step		Vehicle Name :				Model Year :	Sales Channel
		*MURANO Camp:P8201	JUKE	QUEST			NISSAN
		350Z	LEAF	ROGUE		Step	INFINITI
		370Z	MAXIMA	SENTRA		10	
		370Z Convertible	MU	N			
		ALTIMA		npie			
		ALTIMA Hybrid	NISSAN GT-R	VERSA Hatchback			
		ARMADA	NV	VERSA Sedan			
		CUBE	PATHFINDER	XTERRA			CLEAR
		FRONTIER	PATHFINDER ARMADA	X-TRAIL			Calaat
						010	Select
	1				•		

Figure 3

11. Make sure **VIN or Chassis #** matches the vehicle VIN.

12. If the correct VIN is displayed, select **Confirm**.

	Back Image: Description Image: Description Image: Description Back Image: Description Image: Description Image: Description Image: Description Image: Description Image: Description Image: Description Image: Description	Messerenert Mode Wehicle Confirmation Uehicle Confirmation uuch "Confirm". In case you want to select another vehicle,	
Step 11 Verify here	VIN or Chassis #	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Vehicle Name :	■70■	
	Model Year		
		1/1	
		Step 12	Change Confirm

Figure 4

13. Select **Confirm**.

Image: Back Image: Back	
Configuration Vehicle Confirmation Input VIN System Selection	4/6
Input VIN	
Enter the VIN number, and touch "Confirm". According to this operation, in case of specified operation that requires to save ECU information into CONSULT, VIN number you input is saved as file name. Therefore, confirm VIN number correctly.	
VIN (17 or 18 digits) JN FEF 1 R FP OM \$1 00 19.	
Step 13	Confirm

Figure 5

14. Select **TRANSMISSION**.

Back Print Screen Print S						
ENGINE	METER/M&A	HVAC				
MULTI AV BCM TRANSMISSION S						
ABS	ABS CAN GATEWAY					
IPDM E/R EV/HEV						
HEAD LAMP LEVELIZER AIR BAG						

15. Wait for System Call to complete, and then select **Reprogramming**.

	Image: Back Image: Back
	Re/programming, Configuration System Selection Operation Selection
	Operation Selection
	Touch "Operation". In case over write current ECU, touch "Reprogramming". In case replacement of ECU, select an operation in REPLACE ECU category.
	REPROGRAMMING
Step 15	Reprogramming
	CReplacement OF ECU
	Programming (Blank ECU)
	Programming In case you want to replace ECU, you should operate followings. Before replace ECU, ECU data is saved to CONSULT. After replace ECU, CONSULT writes ECU data and programming data.
	Read / Write In case you has already replaced ECU, touch "Manual Configuration". Configuration Manual Configuration

Figure 7

16. When you get to the screen shown in Figure 8, confirm this bulletin applies as follows.

a. Find the TCM **Part Number** and write it on the repair order.

NOTE: This is the current TCM Part Number (P/N).

		Back Beigregramming. Configuration Print Screen Screen Reigregramming. Configuration Operation Operation Save ECU Data Touch "Save" to save operation log and to Operation log helps to restart next operation after operation has completely finished.	Ation Selection Memory at number as listed below to CONSULT. Selection by selecting suitable operation log. Operation log is erased	
		File Label	JEINENTAPOEN	
		Operation	REPROGRAMMING	1
Current		System	a BASTIC a s	1
Part	\mathbb{R}	Part Number		
Number		Vehicle		1
		VIN	JR: (13) (17) (18) (18) (18) (18) (18) (18) (18) (18	1
		Date	6/18/2013 9:06:23 AM	Gaus
				Save
	1		Figure 8	

- b. Compare the P/N you wrote down to the numbers in the **Current TCM Part Number** column in **Table A** on the next page.
 - If there is a match, continue with the reprogramming procedure. Proceed to step 17.
 - If there is <u>not a match</u>, reprogramming is not needed. Proceed to **CLAIMS INFORMATION** section for "Reprogram Not Needed".

Table A

MODEL	MODEL YEAR	CURRENT TCM PART NUMBER BEFORE REPROGRAMMING: 31036 -
	2013	3TY0A, 3TY0B, 3TY0C 3TY1A, 3TY1B, 3TY1C 3TA0A 3TA4A, 3TA4B, 3TA4C 3TA9C
Altima	2014 and 2015	9HM0A, 9HM0C, 9HM0D, 9HM0E 9HM3A
	2016	3TE0C, 3TE0D 3TE2C, 3TE2D
	2014	4BA0A, 4BA0B 4BA5A, 4BA5B 4BA8A 4BA9A, 4BA9B, 4BA9C
Rogue	2015	9TA0A, 9TA0B, 9TA0C, 9TA0D 9TA5A 5HA0A, 5HA0B, 5HA0C 5HA5A
	2016	5HJ0A, 5HJ0B, 5HJ0C 6FJ0A, 6FJ0B, 6FJ0C

17. Select Save.

			country . 0.5.A.		
Back Rome Print Screen Capture	Measurement Mode	← ¥ × 11.8V VI MI			
Re/programming, Configuration	tion Selection		717		
Save ECU Data					
Touch "Save" to save operation log and the current part number as listed below to CONSULT. Operation log helps to restart next operation by selecting suitable operation log. Operation log is erased after operation has completely finished.					
File Label	J R 1 R 2 € 1 8 21 8 21 8]		
Operation	R SPIEDOR/EANNING I		-		
System					
Part Number					
Vehicle		I	1		
VIN	Jह115715527€18916016	I	1		
Date	11/1/2011 1:22:16 AM	Step	Save		
		17			

Figure 9

18. Select Next.

Back Borne Print Screen	Measurement Mode Recorded Data	•		
Configuration	tion Selection Save ECU Data	717		
Save ECU Data				
Operation log and ECU data (Some of ECU need to be saved, not all) have been saved to CONSULT. Touch "Next".				
File Label	ain teevena dei cevasioce 4			
Operation				
System				
Part Number	2 0 7 10 - 101 (0) A 0			
Vehicle				
VIN	J12 E21.22120.0212012			
Date	11/1/2011 1:22:40 AM Step	Next		
	18			

Figure 10

- 19. Use arrows (if needed) to view and read all precautions.
- 20. Check the box confirming the precautions have been read.
- 21. Select Next.



Figure 11

NOTE:

- In some cases, more than one new P/N for reprogramming is available.
 - > In this case, the screen in Figure 12 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 Borne Print	Screen Screen Messatement	Recorded Below	12.3V VI MI Confirm Vehicle Condition	
Select Program Data				
Touch and select the reprog/programming data listed below. In case no reprog/programming data is listed below, confirm the vehicle selection, VIN and reprog/programming data in CONSULT.				
System	XXXXX			
Current Part Number	Part Number After Repro	/programming	Other Information	
XXXXX-XXXXX XXXX-XXXXX	XXXXX-XXXX XXXXX-XXXX	0X XXXX0 X XXXXX		x
			0/0	Next

Figure 12

22. Verify the **Current Part Number** matches the P/N written down in step 16, and then select **Next**.

Ver.CSP19.10		States		
tack Capture Print Screen Capture	Messgement Mode	🚓 🎢 🗙 🖿 🔛 🔀		
Configuration	recaution Select Program Data	Confirm Vehicle Condition 9/11		
Select Program Data				
Confirm the detail listed below, and touch "Next" if OK. -In case the screen to select reproglprogramming data is NOT displayed, only one data is available for this vehicle. -In case the part number after reprogramming is wrong, touch "Re-select", and confirm the vehicle selection, VIN and reprog/programming data in CONSULT.				
Part Number After Repro/programming	28565-1111			
Current Part Number	28608-	>		
Vehicle	VE7 INFINITEQUO			
VIN	UNTER/79/FIZEM			
System				
Other Information	Vorify P	/Ne		
Expected time to finish re/programming	above, t	hen Next		
	select N			
-				

Figure 13

23. Confirm battery voltage is correct, and then select Next.

NOTE: Battery voltage must stay within the specified range to make the indicator turn green.



Figure 14

24. Confirm all items on the C-III plus screen are OK (green), then select Start.

• The reprogramming process begins when **Start** is selected.

NOTE: For reprogramming to continue, vehicle 12V battery voltage must stay within 12 volts and 15.5 volts.

Back Image Print Screen Image Print Screen Image Image Image Re/programming, Configuration Image Image Confirm Vehicle Condition Confirm the vehicle condition as Then, confirm that judgment for al out of range, reprogramming or provide the second sec	Seeen Seeen Select Progra listed below, see li Items indicate ogramming may	t the vehicle cc OK, and touch ' stop.	Ad Peip ERT Condition Correctly. "Start". In case the veh	13.8V VI MI	tor 12V ttery ge here		
Monitor Item BATTERY VOLTAGE	Value 14.1	Unit V	Judgment OK	Condition			
VEHICLE SPEED	0	km/h	ок				
PRESENT GEAR POSITION	N/P		ок				
CHARGE RELAY READY REQ	Off		ок				
	STOP		ок				
Step 24 Start							
		Figur	e 15				

25. Wait for both progress bars to complete.

Back Home Pri	int Screen Capture Mode	Recorded Data	12.8V VI	× = _ ×			
Re/programming, Configuration	Confirm Vehicle Condition	Transfer Data		11/11			
Transfer Data							
ProgrammingVI is transferring the data to vehicle ECU. In case the other VI is available, CONSULT-III plus is available for other operations such as reprogramming or diagnosing other vehicles by using other VI. In case you want to use CONSULT-III plus with other VI, touch "Home" to back to Home screen, and touch "VI/MI selection" to select other VI. In case you want to back to this screen, select this VI, and touch "Reprogramming/Programming" on Home screen.							
Estimated Time	10min						
Transfer CONSULT to VI				100%			
Transfer VI to ECU				60%			
Step 25 25 25 25 25 25 25 25 25 25 25 25 25							
Figure 16							

Figure 16

NOTE: If the message shown in Figure 17 appears, there is data stored in the plus VI. Select "**Yes**" to proceed with reprogramming.

1 100 1	CAUTION!!
	There are still data in VI. Reprogramming function cannot be executed until the data are erased. Do you want to erase data in VI?
	If you do not want to erase the data, please retry Reprogramming function after uploading VI data with [DataControl] function in [SubMode].
	Figure 17

26. When the screen in Figure 18 displays, reprogramming is complete.

NOTE: If the screen in Figure 18 does <u>not</u> display (indicating that reprogramming did <u>not</u> complete), refer to the information on page 14.

27. Select Next.

CONSULT-III plus Ver.	VIN:	Vehicle :		Country : U.S.A.
Back Home Print Scre	en Capture Mode	Recorded Data	← / / / / / / / / / / / / / / / / / / /	
Configuration	Transfer Data	Confirm Result		12/12
Confirm Result				
Reprogramming or programm Touch "Next" to continue oper	ing is completed. ation.			
			Step 27	Next

Figure 18

NOTE:

- In the next step, on page 15, you will perform DTC erase.
- DTC erase is required before C-III plus will provide the final reprogramming confirmation report.

TCM 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 19:

- 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>.

	VN	Vaticle		Ecurity : Jacon	
Back Hone Print Screen	tean Mode	oritheo Maa	12.7V VI MI		
Son integrating	Transfer Data	Corfirm Resul		1313	
Confirm Result					
Reprogramming or programming is not operation on this ECU. Touch "Reny" to retry reprogramming of	completed propertly, but ir programming.	you can retry reprog/	programming	R	
Part number after Reprog/programming		28482-XXXX	x		
Part number before Reprog/programming		28482-XXXX	x		
Vehicle		QASHQAI	QASHQAI		
All the second se					
VIN		SJNFDNJ10U10	0000		
VIN System		SJNFDNJ10U10 BCM	0000		
VIN System Date		SJNFDNJ 10U 10 BCM 25/07/2011 16/3	0.00	Retry	
VIN System Date Error Code		SJNFONJ10U10 BCM 25/07/2011 163	0.00	Retry	

Figure 19

If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 20:

- 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 Wr.	VIN	Vehicle : QASHQAI	County : Japan	
Bark Hone Print Screer	Screen Cepture Note	Recorded Data	è 🐙 💥 🖿 🔜 🔀	
Relprogramiag.	Transfer Data	Confirm Result	9/9	
Confirm Result				
Reprogramming is not completed p -Print this screen as needed. Confir with precedure. -Restart CONSULT with disconnect	roperly m CONSULT version, K ing VI once, and start th	3N/Power switch position, shift posi te reprogramming again.	iion and etc	
Part number after Reprog/programming		28482-300000		
Current part number		28482-XXXXX		
Vehicle		QASHQAI		
VIN		SJNFDNJ10U100000		
System		BCM		
Date		25/07/2011 16:30:00		
Information				
Error Code			Print	

Figure 20

28. Erase all DTCs as follows:

- a. Turn the ignition OFF.
 - The screen in Figure 21 will read OFF when the ignition is turned OFF.

H Back	Home Print Screen	Screen Capture	Recorded Data	12.6V VI MI	-
\$ 0	Re/programming, Configuration	Confirm Result	Erase All DTCs	Print Result / Operation Complete	13/14
Erase All	DTCs				
Accord	ing to the instruction below,	erase All DTCs.			
1					
Tur	rn the ignition switch to the Ol	F position.		LOCK	OCK
Tu	rn ignition switch OFF p	losition			
	Current status of ignition switch	ON		F	
			04		

Figure 21

- b. Turn the ignition ON (engine OFF, not running).
 - The screen in Figure 22 will read **ON** after pressing the power switch twice.

Back	Home Print Screen	Screen Capture Confirm Result	Recorded Data	12.6V VI MI	
Erase All					13/14
Accord	ling to the instruction below,	erase All DTCs.			
1 Tu	rn the ignition switch to the OF	⁼ position.			OFF
	Current status of ignition switch	OFF	to	ON	

Figure 22

- c. Wait for the bar graph in the **ERASE** window to complete 100%.
- d. Select Next.

		Ver.CSP19.10	-			-		States	5
dit Back	Home	Print Screen	Screen Capture	Measurement Mode	Recorded Data	O Help	13.6V VI	Х Р	
\$ 0	Re/programn Configurati	ning.	Cont	firm Result	Erat	se All DTCs	Print Result Operation Com	l plete	13/14
Erase All	DTCs								
According 1 Tur	ng to the ini n ignition sw Step 28c he current si actual vehic	itch to	itch, touch	"NEXT" to g	jo to the nex	xt screen.			ON
							Step 28d		Next
				F	igure	23			

- 29. Verify the P/N has changed (before and after reprogramming P/Ns should be different).
 - a. Print a copy of the screen shown in Figure 24 by selecting **Print**.
 - b. Attach the copy to the repair order.
 - c. Once a copy has been printed, select **Confirm**.

Ver.CSP19.10			States				
Eack Horne Print Screen Capture	Moser emert Mode	0 Help 13.5V V	r 💥 🖿 🔜 🔀				
Configuration	ese All DTCs Operation	t Result / on Complete	14/14				
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 "CIII plus Data Folder" on desk top, and open the folder named "ScreenImages".							
Part number after Reprog/programming	Part number after Step Step						
Part number before Reproglprogramming	29	28500					
Vehicle	-	97 INFINITIQ60					
VIN	-UI#11	Step					
System		DAST 29a	Print				
Date	9824	#2013F9 F1 4F1 (FARM					
		Step 29c	Confirm				

Figure 24

30. After confirmation has completed, select **Home**.

			ootantiy. Otom.
Back Home Print Scree	Screen Capture Mode Recorded Data	Image: Weight of the second	× = _ X
Configuration	Erase All DTCs Operation	it Result / on Complete	14/14
Print Result / Operation Complete			
All tasks are completed. In case CONSULT can No temporally storage of this Data Folder" on desk top,	Ation "Complete Operation" Screen is backing Home once. In case "Co necessary document, touch "Ca	no longer shown after mplete Operation" Screen is ncel" to back previous screen.	for s
Part number after Reprog/programming Part number before Reprog/programming		â	
Vehicle VIN	Home	Cancel	
System		1/2012 2:04:13 PM	Print
	30	1/1	Confirm
	Figure	25	

- 31. Disconnect C-III plus from the vehicle.
- 32. Turn the ignition OFF.
- 33. Disconnect the battery charger from the vehicle.

CLAIMS INFORMATION

Campaign ("CM") ID	DESCRIPTION	OP CODE	FRT
PC490	Reprogram Transmission Control Module	PC4900	0.4
	Reprogram Not Needed	PC4901	0.3

Submit a Campaign (CM) line claim using the following claims coding: