NISSAN OLUNTARY RECALL CAMPAIGN Classification: Reference:

AT22-010A

Date:

NTB22-082A

September 28, 2022

VOLUNTARY SAFETY RECALL CAMPAIGN 2020-2022 FRONTIER; TCM REPROGRAM

This bulletin has been amended. See AMENDMENT HISTORY on the last page. Please discard previous versions of this bulletin.

CAMPAIGN ID #: APPLIED VEHICLES: R22A9, R22B1 2020-2021 Frontier (D40) 2022 Frontier (D41)

Check Service COMM or Dealer Business Systems (DBS) National Service History to confirm campaign eligibility.

INTRODUCTION

Nissan is conducting this voluntary safety recall campaign on certain specific model year 2020-2022 Frontier vehicles to inspect and, if necessary, reprogram the Transmission Control Module (TCM). This service will be performed at no charge to the customer for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification numbers R22A9 (4WD) and R22B1 (2WD) to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service COMM or Dealer Business Systems (DBS) National Service History for the campaign status on each vehicle falling within the range of this voluntary safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration. While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

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.

REPAIR OVERVIEW



SERVICE PROCEDURE

Confirm Current TCM Part Number

IMPORTANT: Before starting, make sure:

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

NOTICE

- Connect a battery maintainer or smart charger set to reflash mode or a similar setting. 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>.
- Turn the hazard warning lamps ON.
 - Turn OFF all other vehicle electrical loads such as exterior lights, interior lights, HVAC, blower, rear defogger, audio, NAVI, seat heater, steering wheel heater, etc. If a vehicle electrical load remains ON, <u>the TCM may be</u> <u>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 TCM may be damaged.
- 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 or VI during reprogramming, reprogramming may be interrupted and <u>the TCM may be damaged</u>.
- 1. Connect the VI to the vehicle.
- 2. Start C-III plus.
- 3. Wait for the VI to be recognized (Figure 1 on page 4).
 - The serial number will display when the VI is recognized.

4. Select **Re/programming, Configuration**.

	Back Hom	e PrintS	Creen Caolure nt Mode	Scoridd Help A. TI X I	
	Connection	n Status		Diagnosis Menu	
	Ser	ial No.	Status	Diagnosis (One System)	
The VI is recognized	VI 23	2665 2	► >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Diagnosis (All Systems)	
	МІ	-	No connection	Re/programming, Configuration	
	Sele	ect VI/M	лі	Immobilizer	
	Application	Setting ode	Language Setting	Maintenance	
	VDR				

Figure 1

5. Check the box to confirm the precaution instructions have been read, and then select **Next**.

NOTE: Use the arrows (if needed) to view and read all the precautions.



Figure 2

6. Select Automatic Selection(VIN).

Back Home	Print Screen	m measurement Mode	ecorded Data	12.2V VI MI	-
Re/programmin Configuration	ng,	Precaution	Vehicle Selection	Vehicle Confirmation	
Automatic So	election(VIN)	elec	tion(Vehicle Name)		
Vehicle Name :				Model Year :	Sales Channel
*MURANO Camp:P8201	JUKE	QUEST			NISSAN
350Z	LEAF	ROGUE			INFINITI
370Z	MAXIMA	SENTRA			·
370Z Convertible	MURANO	TITAN			
ALTIMA	MURANO Cross Cabriolet	TITAN			
ALTIMA Hybrid	NISSAN GT-R	VERSA Hatchback			
ARMADA	NV	VERSA Sedan			
CUBE	PATHFINDER	XTERRA			CLEAR
FRONTIER	PATHFINDER ARMADA	X-TRAIL			Select
			1/1	0/0	

Figure 3

7. Allow C-III plus to perform automatic VIN selection.

Back F	Print Screen	Screen Capture nt Mode	Recorded H	P A A A A A A A A A A A A A A A A A A A	14.7V VI	MI	
Re/programming Configuration		Precaution	Vehicle S	Selection	Vehicle Confirmation	on C	
Automatic Select	Automatic Selec	ction(VIN)	And Street, Physics 5	te Marriel)			
Vehicle can be spec III plus will start sea and touch "Detect V	Readin	g VIN				JLT- illy	
NISSAN MOTOR COLITD JAPAN 愛文「Trics Unable of HNZ51-123456 Unable of			_	1			
VIN			Cancel]			
							Detect Vehicle

Figure 4

8. Confirm the **VIN or Chassis #** is correct, and then select **Confirm**.

Back Re/programming, Vehic	Measureme Recorded Help ERT 14.7V VI MI	
Please confirm selected information vehicle, touch "Change".	and touch "Confirm". In case you want to select another	
VIN or Chassis #	****	
Vehicle Name :	FRONTIER	
Model Year	хххх	
	1/1	
		Change
		Confirm

Figure 5

9. Allow the System call to be performed.

Back Home	rintScreen Cablure Screen it Mode Measureme It Mode Recorded Data Data Percorded Data Percorded Data Percorded Data Percorded Percorde	
Re/programming Configuration	Vehicle Selection Vehicle Confirmation	
Please confirm sele vehicle, touch "Cha	System Call	er
	System call performing Please wait	_
VIN or Chassis #	-	
ModelYear		
	73%	
	Cancel	
		Change
		Confirm

Figure 6

10. Confirm the VIN is correct for the vehicle, and then select **Confirm**.



Figure 7

11. Select TRANSMISSION.

Back Bome Print Screen Screen Print Screen Capture System Selection Touch "system". In case ECU you want to operate is not list	Mode Recorded Help Help Help Control Help Help Help Help Help Help Help Hel	Image: Selection Image: Selection Operation Selection Image: Selection Image: Selected wrong. Image: Selected wrong.
ENGINE	METER/M&A	HVAC
MULTI AV	всм	TRANSMISSION
ABS	CAN GATEWAY	
IPDM E/R	EV/HEV	
HEAD LAMP LEVELIZER	AIR BAG	
		1/1

Figure 8

12. Select Reprogramming.

	Configuration		
Operation	n Selection	V	
Touch In case In case	"Operation". over write current ECU, touch replacement of ECU, select an o	"Reprogramming". operation in REPLACE ECU category.	
REPR	OGRAMMING		
		In case you want to reprogramming ECU	TOUCD Reprogramming
	Reprogramming		, touch reprogramming .
	Reprogramming		, outer reprogramming .
Repla	Reprogramming cement OF ECU		, occur reprogramming .
Repla	Reprogramming cement OF ECU ramming (Blank ECU)		Touch "Before ECU Replacement",
Repla	Reprogramming cement OF ECU ramming (Blank ECU) Before ECU Replacement	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is save to CON SULT.
Repla Progr	Reprogramming Icement OF ECU ramming (Blank ECU) Before ECU Replacement	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is save to CONSULT.

Figure 9

Find the TCM Part Number and write it on the repair order, and then select Save.
 NOTE: This is the current Part Number (P/N).

Back Rome Print Screen	Measurement Mode Recorded Data	
Configuration Opera	tion Selection Save ECU Data	8/8
Save ECU Data		
Touch "Save" to save operation log and the Operation log helps to restart next operation after operation has completely finished.	e current part number as listed below to CONSULT. n by selecting suitable operation log. Operation log is erased	
File Label	*****	
Operation	REPROGRAMMING	
System	тсм	
Part Number	хххххх	
Vehicle	FRONTIER	
VIN	****	
Date	xxxxxxxxxxx	Save

Figure 10

- 14. Compare the Part Number you wrote down in step 13 on page 8 to the numbers in the **Current TCM Part Number** column in **Table A** below.
 - If there is a <u>match</u>, proceed to step 15, below, to continue the reprogramming procedure.
 - If there is <u>not a match</u>, this bulletin does not apply. Proceed to **CLAIMS INFORMATION** on the last page.

Table A

MODEL	CURRENT TCM PART NUMBER: 31039 -
2020-2021 Frontier 2WD	9BT1B, 9BT1C, 9BT5A, 9BT5D, 9BT5E, 9BT7A
2020-2021 Frontier 4WD	9BT3B, 9BT3C, 9BT6A, 9BT6D, 9BT6E, 9BT8A
2022 Frontier 2WD	9BU0D, 9BU0E, 9BU1A, 9BU7A
2022 Frontier 4WD	9BU2D, 9BU2E, 9BU3A, 9BU8A

Reprogram the TCM

- 15. Follow the on-screen instructions to navigate C-III plus and reprogram the TCM.
 - If you get this screen and it is <u>blank</u> (no reprogramming listed), it means there is no reprogramming available for this vehicle.

Configuration ct Program Data	Precaution Sel	ect Program Data Condition	9
ich and select the reprog ase no reproglprogramm rog/programming data in System	iprogramming data listed below. ing data is listed below, confirm the v CONSULT. TRANSMISSION	rehicle selection, VIN and	
Current Part Number	Part Number After Repro/program	nming Other Information	
x000000-x000000 x000000-x000000	X000006-000000X	x0000000000000000000000000000000000000	

Figure 11

16. Select **Next**, and then proceed to step 17 on page 12.

NOTE: When the screen in Figure 12 displays, TCM reprogramming is complete. If the screen in Figure 12 does <u>not</u> display (indicating that reprogramming did <u>not</u> complete), refer to the information on the next page.



Figure 12

TCM Recovery:

Do not disconnect the 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 13:

- Check battery voltage (12.0 V – 15.5 V).
- Ignition is ON, engine is OFF.
- External Bluetooth® devices are OFF.
- All electrical loads are OFF.
- Select **Retry** and follow the on screen instructions.
- Retry may not go through on first attempt and can be selected more than once.

and the second se		and the second sec	and the second secon
Back Hone Print Screen	Schen Messament Mode	gorithed Help 1	23V VI MI 🗮 🥅 🔀
sonfigliation	Transfer Data	Corfirm Resul	1313
Confirm Result			
Reprogramming or progamming is r operation on this ECU. Touch "Retry" to retry reprogrammin	rot completed propertly, but ig or programming.	t you can retry reprog/program	rming
Part number after Reprogramming		XXXXXX	
Total countries have been			
Reprog/programming		XXXXXX	
Reprog/programming Vehicle		XXXXXX XXXXXX	
Vehicle		XXXXXXX XXXXXXXX XXXXXXXXXX	
Vehicle System		XXXXXXX XXXXXXXXX XXXXXXXXXX XXX	
Reprog/programming Nehicle VIN System Date		XXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Retry
Vehicle ViN System Dete Error Code		XXXXXXX XXXXXXXXXXX XXX 2507/2011 16/30.00	Retry

Figure 13

If reprogramming does <u>not</u> complete and the "X" icon displays, as shown in Figure 14:

- Check battery voltage (12.0 V 15.5 V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, engine is OFF.
- Transmission is in Park.
- All C-III plus / VI cables are securely connected.
- All C-III plus updates are installed.
- Select **Home**, and restart the reprogram procedure from the beginning.

CONSULT-IL Blus Vir.	VIN V	enicle : QASHQAI	County : Japan
Bark Hone Print Screek	Neasurement Recorded Data	О НЧо 2,70	🥐 💥 🖿 🛄 🔀
Configizion	Transfer Eata	fim Resul	9/9
onfirm Result			
Reprogramming is not completed propa Print this screen as needed. Confirm C with procedure. Restart CONSULT with disconnecting '	rly. ONSULT version, IGN/Power s VI once, and start the reprogram	witch position, shift positio mining again.	n and etc
Part number after Reprog/programming	2	*****	
Part number after Reprog/programming Current part number		×××××× ××××××	
Part number after Reprog/programming Current part number Vehicle	3	×××××× ×××××× ×××××	
Part number after Reprog/programming Current part number Vahicle VIN	: : : : :	××××××× ×××××× ××××××	
Part namber after Reprog/programming Current part number Vahicle VIN System	נ נ נע נא	XXXXXXX XXXXXXX XXXXXXXX XXXXXXXXX XXXX	
Part number after Reprog/programming Current part number Vehicle VIN System Date	23 23 23 23	XNRXXX XXXXXX XXXXXXXX XXXXXXXXX XXXXXXXX	
Part number after Reprog/programming Current part number Vehicle VIN System Date Information	23 23 23	XNXXXX XXXXXX XXXXXX XXXX XXXX XXXX XX	

Figure 14

- 17. Follow the on-screen instructions to **Erase All DTCs**.
 - When the entire reprogramming process is complete, the screen in Figure 15 will display.
- 18. Verify the before and after part numbers are different.
- 19. Print a copy of this screen (Figure 15) and attach it to the repair order for warranty documentation.
- 20. Select Confirm.

Back Borne Print Screen	Screen Capture	ed Help	14.3V VI MI	-		
Re/programming, Configuration	Erase All DTCs	Print Result / peration 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 "CIII plus Data Folder" on desk top, and open the folder named "ScreenImages".						
Part number after Reprog/programming		- 31039				
Part number before Reprog/programming		<mark>- 31039</mark>				
Vehicle		XXXXXXXXXXX				
VIN		xxxxxxxxxxxxxx				
System		TRANSMISSION				
Date		11/3/201X 2:10:21 AM				
		1	/1	Confirm		

Figure 15

CLAIMS INFORMATION

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
R22A9	Check Software and Reprogram Transmission Control Module (TCM)	R22A90	0.6
(4WD)	Check Software, Reprogram Not Needed	R22A91	0.3
R22B1 (2WD)	Check Software and Reprogram Transmission Control Module (TCM)	R22B10	0.6
	Check Software, Reprogram Not Needed	R22B11	0.3

Submit a "CM" line claim using the following claims coding:

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
September 22, 2022	NTB22-082	Original bulletin published
September 28, 2022	NTB22-082A	Added 2020-2021 Frontier
