

September 28, 2022

VOLUNTARY SAFETY RECALL CAMPAIGN 2020-2022 TITAN/TITAN XD; TCM AND ECM REPROGRAM

CAMPAIGN ID #: R22B1, R22A9 APPLIED VEHICLES: 2020-2022 Titan and Titan XD (A61)

> 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 Titan and Titan XD vehicles, to reprogram the TCM and ECM. This service will be performed at no charge to the customer for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification numbers R22B1 (2WD) and R22A9 (4WD) 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.

SERVICE PROCEDURE

Confirm the 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 or ECM 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 any other electrical loads remain ON, <u>the TCM or ECM</u> <u>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 the TCM or ECM 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 or ECM may be damaged</u>.

HINT:

- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learning conditions:
 - Engine coolant temperature: 70 100°C (**158 212°F**)
 - Battery voltage: More than 12.9 V (At idle)
 - Transmission: Warmed up
- When ECM reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learning, Accelerator Closed Position, and DTC Erase.
- 1. Connect the VI to the vehicle.
- 2. Start C-III plus.
- 3. Wait for the VI to be recognized (Figure 1 on page 3).
 - The serial number will display when the VI is recognized.

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

Connection Stat	1	Diagnosis Menu
Serial No.	Status	Diagnosis (One System)
VI 232665 2	►>>))) Normal Mode/Wireless	
	connection	Diagnosis (All Systems)
MI -	Q	Re/programming
	No connection	Re/programming, Configuration
Select VI	/MI	
Application Settin	g	
sus Sub mode	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.

Arecaution Operating suggestions for reprogramming, programming and C/U configration: Please review the all of precautions, and click the "Confirm" check box after confirming the its points. And touch "Next". Precautions Caution: 1. Follow the operation guide displayed on screen. 2. "Back" and "Home" button may not be used on this flow. For reprogramming and programming 1. Install the latest version of the CONSULT-III plus sortware, reprogramming/programming data to this CONSULT-III plus PC. 2. Preparation and read the service manual or reprogramming procedure sheet. For ECU Configuration 1. Need to write the configuration data to new ECU, after replace it. 2. If writing the wrong configuration data, ECU can not work. Please write the right data. For ECU Configuration using manual mode	Configuration		Precaution	Vehicle	Selection		
Please review the all of precautions, and click the "Confirm" check box after confirming the its points. And touch "Next".	recaution						
Caution: . Follow the operation guide displayed on screen. 2. "Back" and "Home" button may not be used on this flow. For reprogramming and programming . Install the latest version of the CONSULT-III plus sortware, reprogramming/programming lata to this CONSULT-III plus PC. 2. Preparation and read the service manual or reprogramming procedure sheet. For ECU Configuration 1. Need to write the configuration data to new ECU, after replace it. 2. If writing the wrong configuration data, ECU can not work. Please write the right data. For ECU Configuration using manual mode	Please review the all of preca				ming the	its	
1. Follow the operation guide displayed on screen. 2. "Back" and "Home" button may not be used on this flow. For reprogramming and programming 1. Install the latest version of the CONSULT-III plus sortware, reprogramming/programming data to this CONSULT-III plus PC. 2. Preparation and read the service manual or reprogramming procedure sheet. For ECU Configuration 1. Need to write the configuration data to new ECU, after replace it. 2. If writing the wrong configuration data, ECU can not work. Please write the right data. For ECU Configuration using manual mode	Precautions					/ ŏ	
	2. "Back" and "Home" button	may not be used on thi	- four				
	For reprogramming and prog 1. Install the latest version of data to this CONSULT-III plus 2. Preparation and read the s For ECU Configuration 1. Need to write the configura 2. If writing the wrong configu	amming the CONSULT-III plus : PC. ervice manual or repro- tion data to new ECU, a ration data, ECU can n manual mode and its configuration s n data, ECU can not w	sortware, reprog gramming proced after replace it. ot work. Please pec, following th ork. Please write	ure sheet. write the right e service man	data. ual. If	Next	

Figure 2

6. Select Automatic Selection(VIN).

Re/programmin Configuration	ng,	Precaution	Vehicle Selection	Vehicle Confirmation	
Automatic Se	election(VIN)	electi	on(Vehicle Name)		_
nicle 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			

Figure 3

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

Back Home P	rint Screen Capture	Measureme nt Mode	Help	14.7V VI	× = _ X
Re/programming Configuration	Preca	ution	cle Selection	Vehicle Confirmatio	n 🕨
Automatic Selec	Automatic Selection(VIN)	foreign Subscript (Str	Ballin Manual]
Vehicle can be spec III plus will start sea and touch "Detect V	Reading VIN				JLT- Ily
NISSAN MOTOR CO.LTD.JAPAN 愛求.Tra Conser HNZ51-123456 With conser HNZ51-123456 With conserver With Conserver The C					Ĩ
VIN		Cance			
					Detect Vehicle

Figure 4

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

Re/programming, Configuration	tion and touch "Confirm". In case you want to select another	
IN or Chassis #	****	
Vehicle Name :	TITAN	
ModelYear	2020MY	
	1/1	
		Change
		Confirm

Figure 5

9. Allow the System call to be performed.

	int Screen Screen IMode Recorded Data	
Configuration	Vehicle Selection Vehicle Confirmation	
Please confirm selevehicle, touch "Chai	System Call	
	System call performing Please wait	
VIN or Chassis #		
Vehicle Name :		
Model Year		
	73%	
	Cancel	
		Change
		Confirm

Figure 6

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

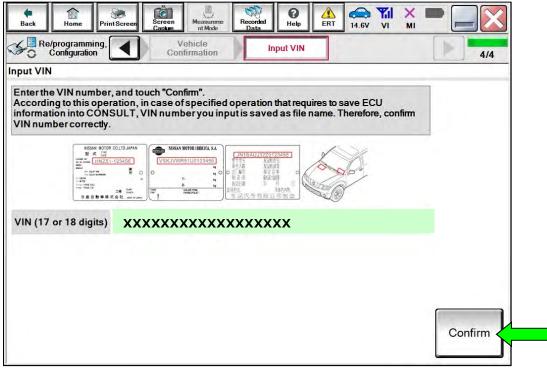


Figure 7

11. Select TRANSMISSION.

	5/6
elow, the vehicle or model year might b	e selected wrong.
METER/M&A	HVAC
ВСМ	TRANSMISSION
CAN GATEWAY	
EV/HEV	
	CAN GATEWAY

Figure 8

12. Select Reprogramming.

Configuration	System Selection Operation Selection	
Operation Selection		
Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an		
REPROGRAMMING		
Bannaanommina	In case you want to reprogramming ECU	, touch "Reprogramming".
Reprogramming	In case you want to reprogramming ECU	touch "Reprogramming".
	In case you want to reprogramming ECU	touch "Reprogramming".
Reprogramming Replacement OF ECU Programming (Blank ECU)	In case you want to reprogramming ECU	
Replacement OF ECU	After ECU Replacement	Touch "Reprogramming". Touch "Before ECU Replacement", Operation log with part number is sav to CONSULT.
Replacement OF ECU Programming (Blank ECU) Before ECU		Touch "Before ECU Replacement", Operation log with part number is say

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).

Configuration	eration Selection Save ECU Data	8/8
ive ECU Data		-
	the current part number as listed below to CONSULT. tion by selecting suitable operation log. Operation log is erased	
ile Label	*****	
peration	REPROGRAMMING	
• · · · · · · · · · · · · · · · · · · ·	TCM	
System		
Operation System Part Number Vehicle	тсм	
System Part Number	тсм	

Figure 10

- 14. Compare the Part Number you wrote down in step 13 on page 7 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 on page 9 to continue the TCM reprogramming procedure.
 - If there is <u>not a match</u>, reprogramming is <u>not needed</u>. Skip to **CLAIMS INFORMATION** on the last page.

NOTE: If TCM reprogramming is not needed, ECM reprogramming is not required.

Table A	
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GRADE	MODEL YEAR	CURRENT TCM PART NUMBER: 31039 -
	2020	9FV3A, 9FV3B, 9FV3D, 9FV3E, 9FV4E, 9FV5C, 9FV7A, 9FV7B, 9FV7D, 9FV7E, 9FW1B, 9FW1C, 9FW2B, 9FW2C
4WD	2021	9FV3D, 9FV3E, 9FV5A, 9FV5B, 9FV7D, 9FV7E 9FV8B, 9FV8C 9FW4A, 9FW4B, 9FW5A, 9FW5B, 9FW7B, 9FW7C, 9FW7E, 9FW8B, 9FW8C, 9FW8E, 9FW9B, 9FW9C
	2022	9FW7C, 9FW7E, 9FW8C, 9FW8E, 9FW9B, 9FW9C
	2020	9FV1A, 9FV1B, 9FV1D, 9FV1E, 9FV4D, 9FW0B, 9FW0C
2WD	2021	9FV1D, 9FV1E, 9FV4B, 9FV4C 9FW3A, 9FW3B, 9FW6B, 9FW6C, 9FW6E, 9FW9A
	2022	9FW6C, 9FW6E, 9FW9A

- 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.

Back Re/programming.	Streen Streen Momenter	Recorded Help	Confirm Vehicle Condition	
Select Program Data			Condition	9/11
Touch and select the repr in case no reprog/program reprog/programming data i	og/programming data listed below ming data is listed below, confirm t n CONSULT.	the vehicle selection, VIN	and	
System	TRANSMISSION			
Current Part Number	Part Number After Repro/pro	ogramming	Other Information	4
x00000X-X00000X X00000X-X00000X	x00000-x00000x x00000-x00000x		000000000000000000000000000000000000000	
			010	Next

Figure 11

16. Select **Next**, and then proceed to step 17 on page 11.

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.

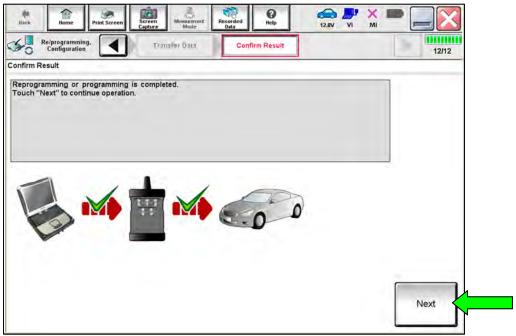


Figure 12

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.
- <u>Retry may not go through on</u> <u>first attempt and can be</u> <u>selected more than once</u>.

	VN	Unition		Country Jaman
Sax Hono Pint Sceen	Anter Made	West Help	12.3V VI MI	
sentgiller	Same put	Contine Based		13/13
Confirm Result				
Reprogramming or programming is operation on this ECU. Touch "Reny" to repry reprogramm		out you can retry reprograng	ramming	R
Part number after Reprogramming		XXXXXXXXXX	K	
Part number before		XXXXXXXXXXX	Y	
Reprog/programming			<u> </u>	
Reprog/programming Vehicle		xxxx	•	
	x			
Vehicle	x	хххх		-
Vehicle	x	xxxx xxxxxxxxxxx	xxx	Fetty
Vehicle VIN System	x	XXXX XXXXXXXXXXXXXXX TCM	xxx	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-ILIBUS Wr	VIN	Vehicle (CLASHQAI	County Autoen
Bane Print Screen	Screet Areasterier		🐺 💥 🖿 🛄 🔀
Belprograming definition	San to some	ConfrontResol	8/9
onfirm Rosult			
Reprogramming a reticompleted prop Print Nils screen as needed. Confirm with procedure. Rectain CONSULT with disconnecting	CONSULT version, IGN		sard de
Part number after		XXXXXXXXXX	
Reprog/programming			
Reprogramming Current part number		****	
and the second second		xxxxxxxxxxxxx	
Current part number	xx		
Cumon' part number Veitscle VIN	XX	хххх	
Current part number Vehicle VIN System	XX	xxxx xxxxxxxxxxxxx	
Cument part number Website	XX	XXXX XXXXXXXXXXXXXXXXXX TCM	

Figure 14

- 17. Follow the on-screen instructions to **Erase All DTCs**.
 - When the entire TCM 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**, and then proceed to step 21 on page 12 to confirm the ECM part number.

Mode Data 14.3V VI	m — 🔜 🚵
In DTCs Print Result / Operation Complete	18/18
touch "Print" to print out this page. s to LAN or printer, Screen Capture function is availab Capture", and save it. Screen capture data is in "Clli amed "Screenimages".	
31039	
31039	

TRANSMISSION	Print
1	touch "Print" to print out this page. to LAN or printer, Screen Capture function is available Capture", and save it. Screen capture data is in "Cill amed "ScreenImages". 31039 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Figure 15

Confirm the current ECM part number

- 21. Return to the home screen and perform steps 4 10 on pages 3 6.
- 22. Select **ENGINE**.

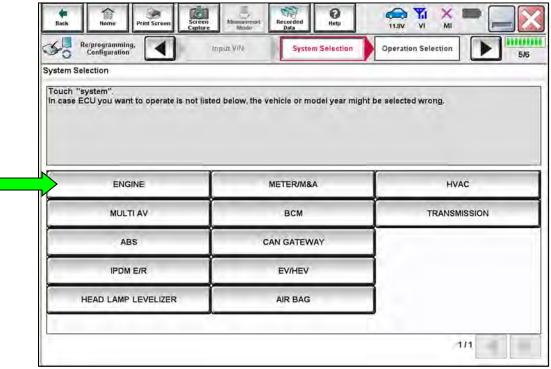


Figure 16

23. Select Reprogramming.

Configuration	System Selection Operation Selection	► I
Operation Selection		
Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an		
REPROGRAMMING	In case you want to reprogramming ECU	touch "Reprogramming"
	in case you mant to reprogramming 200	, touch heprogramming .
Reprogramming		
Reprogramming Replacement OF ECU		
Replacement OF ECU	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is sav to CONSULT.
Replacement OF ECU Programming (Blank ECU) Before ECU	After ECU Replacement	Operation log with part number is say

Figure 17

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

Back Home Print Screen Capture	Mode Recorded Help ERT 14.7V VI MI	
Configuration Opera	ation Selection Save ECU Data	8/8
ive ECU Data		
	e current part number as listed below to CONSULT. In by selecting suitable operation log. Operation log is erased	
ile Label	****	
Operation	REPROGRAMMING	
	ECM	
System Part Number	Contraction by	
System	ECM]
System Part Number	ECM	-

Figure 18

- 25. Compare the Part Number you wrote down in step 24 to the numbers in the **CURRENT ECM PART NUMBER** column in **Table B** below.
 - If there is a <u>match</u>, continue to step 26 on page 14 to continue the ECM reprogramming procedure.
 - If there is <u>not a match</u>, ECM reprogramming is <u>not needed</u> and the procedure is complete. Skip to **CLAIMS INFORMATION** on the last page.

GRADE	MODEL YEAR	CURRENT ECM PART NUMBER: 23710 -
	2020	FV93B, FV93C, FV93D, EZ94B, EZ94C, EZ94D 9FV8C, 9FV8D, 9FV8E, 9FV9C, 9FV9D, 9FV9E
4WD	2021	9FW3B, 9FW3C, 9FW3D, 9FW3E 9FW4B, 9FW4C, 9FW4D, 9FW4E 9FW5B, 9FW5C, 9FW5D, 9FW5E 9FW6B, 9FW6C, 9FW6D, 9FW6E
	2022	9GK2C, 9GK2D, 9GK3C, 9GK3D, 9GK4C, 9GK4D 9GK5C, 9GK5D
	2020	EZ91B, EZ91C, EZ91D, EZ92B, EZ92C, EZ92D
2WD	2021	9FW1B, 9FW1C, 9FW1D, 9FW1E 9FW2B, 9FW2C, 9FW2D, 9FW2E
	2022	9GK0C, 9GK0D, 9GK1C, 9GK1D

Table B

26. 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 you get this screen and it is <u>blank</u> (no reprogramming listed), it means there is no reprogramming available for this vehicle.

Re/programming, Configuration	Capture Moile Data	et Program Data Confirm Vehicle Condition	
ct Program Data		Containen	97
uch and select the reprog/j ase no reprog/programmin rog/programming data in C System		vehicle selection, VIN and	
Current Part Number	ENGINE Part Number After Repro/program	nming Other Information	
x000000-X00000X X000000-X00000X	x000000-x00000x	x0000000000000000000000000000000000000	
			Next

Figure 19

27. Select **Next**, and then proceed to step 28 on page 16.

NOTE: When the screen in Figure 20 displays, ECM reprogramming is complete. If the screen in Figure 20 does <u>not</u> display (indicating that reprogramming did <u>not</u> complete), refer to the information on the next page.

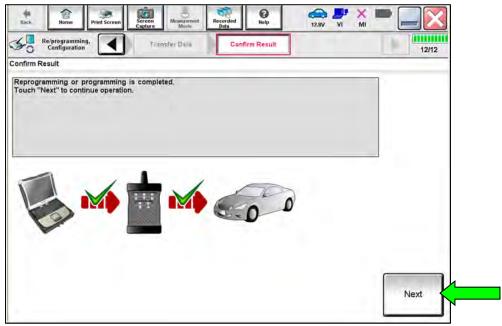


Figure 20

ECM 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 21:

- 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.
- <u>Retry may not go through on</u> <u>first attempt and can be</u> <u>selected more than once</u>.

	VN	Vabicin		Contro Jacan
Base Hone Print Scorer	Sater Mats	Weiter Hold	12.3V VI MI	
senigillen	Same put	Certim Reed		13/13
confirm Result				
Reprogramming or programming is a operation on this ECU. Touch "Remy" to retry reprogrammin Touch "Remy" to retry reprogrammin		sut you can retry reprog/pro	gramming	R
Part number after Replociprogramming		*****	x	
Contract Contract of Contract on Contract				
Pari number before Reprog/programming		xxxxxxxxx	x	
		xxxxxxxxxx	×	
Reprog/programming	x			
Reprogramming Vehicle	x	хххх		
Roproglesspanning Vehicle VIN System	x	xxxx xxxxxxxxxxx	xxxx	Retry
Reprogramming Vehicle VIN	x	XXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	xxxx	Retry

Figure 21

If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 22:

- 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 BUS WY	VIN Vehicle (QASHQAI	County Hapen
Phit Sover	Alex Symetry Alex Symetry Alex Symetry	🕊 💥 🖿 🛄 🔀
Configielion	Confine Result	919
ionfirm Rosult		
with precedure.	ny DNSULT version, IGN/Fower switch position, shit positi Alonce, and start the reprogramming again	ion and ate
Part number after Reprogramming	XXXXXXXXXXX	
weres hogen and		
Current part number	xxxxxxxxx	
	xxxxxxxxx xxxx	
Current part number		(
Current part number Vehicle	xxxx	<
Current part number Vehicle VIN		<u> </u>
Current part number Velacle VIN System	XXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	

Figure 22

- 28. Follow the on-screen instructions to **Erase All DTCs**.
 - When the entire reprogramming process is complete, the screen in Figure 23 will display.
- 29. Verify the before and after part numbers are different.
- 30. Print a copy of this screen (Figure 23) and attach it to the repair order for warranty documentation.

31. Select Confirm.

Configuration	rase All DTCs Print Result / Operation Complete	18/18
rint Result / Operation Complete		
In case CONSULT can NOT immediately a	cess, touch "Print" to print out this page. access to LAN or printer, Screen Capture function is available for acceen Capture", and save it. Screen capture data is in "CIII plus Ider named "ScreenImages".	
Part number after Reprog/programming	23710	
	23710	
Reprog/programming	23710	
Part number before Reprog/programming Vehicle VIN		
Reprog/programming Vehicle	*****	Print

Figure 23

- 32. Disconnect the battery maintainer/smart charger from the vehicle.
- 33. Perform Throttle Valve Closed Position, Idle Air Volume Learning and Accelerator Closed Position.

CLAIMS INFORMATION

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
	Check Software, Reprogram Not Needed	R22A91	0.3
R22A9 (4WD)	Check Software and Reprogram Transmission Control Module	R22A90	0.6
	Check Software and Reprogram Transmission Control Module and Engine Control Module	R22A93	0.8
	Check Software, Reprogram Not Needed	R22B11	0.3
R22B1 (2WD)	Check Software and Reprogram Transmission Control Module	R22B10	0.6
	Check Software and Reprogram Transmission Control Module and Engine Control Module	R22B13	0.8

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

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
September 28, 2022	NTB22-085	Original bulletin published