

AT21-004

NTB21-086

September 14, 2021

Date:

A/T WARNING LIGHT IS ON WITHOUT PAST OR CURRENT DTC STORED

AT

CHECK

is ON,

APPLIED VEHICLES: 2020-2021 Titan/Titan XD (A61) 2020-2021 Frontier (D40) APPLIED TRANSMISSION: 9 Speed (GE9R01A)

IF YOU CONFIRM

The Automatic Transmission check warning light

AND

There are <u>no</u> TCM related DTCs stored that are PAST or CURRENT.

ACTION

- 1. Confirm the current TCM part number.
- 2. Reprogram the TCM, if applicable.
- 3. Drive the vehicle and complete a transmission drive cycle.
- 4. Confirm that the A/T warning light does not come back ON.
 - See the **Repair Overview** on page 2.

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 entire 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.

Repair Overview



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>.
- Be sure to turn OFF all vehicle electrical loads.
 If a vehicle electrical load remains ON, <u>the TCM 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 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 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 a battery maintainer/smart charger to the vehicle.
- 2. Connect the VI to the vehicle.
- 3. Start C-III plus.
- 4. Wait for the VI to be recognized.
 - The serial number will display when the VI is recognized.

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

	Serial No	Status	
		The share	Diagnosis (One System)
d VI	232665 2	Normal Mode/Wireless connection	Diagnosis (All Systems)
		0	
MI	-	No connection	Re/programming,
			- o Configuration
S.S.	Select VI/I	II	Immobilizer
Applic	ation Setting		
SUB	Sub mode	Language Setting	Maintenance

Figure 1

6. 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

7. Select Automatic Selection(VIN).

Re/programmi Configuratio	ing,	Precaution	Vehicle Selection	Vehicle Confirmation	
Automatic S	election(VIN)	elect	on(Vehicle Name)		
/ehicle 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			r
CUBE	PATHFINDER	XTERRA			CLEAR
FRONTIER	PATHFINDER ARMADA	X-TRAIL			

Figure 3

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

Back Prin	at Screen Capture	Measureme nt Mode	Recorded Data	() Help	A 14.7V		
Configuration	Pre Pre	caution	Vehic	le Selection	Ve Confi	hicle irmation	
Automatic Selec	Automatic Selection(VIN)	Read Ser	Concellant and the	Arts Manual			
Vehicle can be spec III plus will start sear and touch "Detect Ve	Reading VIN					JL' illy	τ-
NISSAN MOTOR COLTDJAPAN 使大 1775 Notest & Child Statest HNZ51-123458 Network Network Network Network Network Network Network 日本自動東核式会社 Koll n.M.			_				
VIN			Cancel				
							Detect Vehicle

Figure 4

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

Back Home PrintScreen	reen ni Mode Recorded Data Pri X II X II Help ERT 14.7V VI MI	•
Configuration	Vehicle Selection Vehicle Confirmation	
Please confirm selected informa vehicle, touch "Change".	tion and touch "Confirm". In case you want to select another	
VIN or Chassis #	****	
Vehicle Name :	TITAN	
Model Year	2020MY	
	1/1	
		Change
		Confirm

Figure 5

10. Allow the System call to be performed.



Figure 6

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



Figure 7

12. Select TRANSMISSION.

mput-VIN System Selection	Operation Selection
4	5/
d below, the vehicle or model year might b	e selected wrong.
METER/M&A	HVAC
всм	TRANSMISSION
CAN GATEWAY	6
EV/HEV	
EV/HEV AIR BAG	
	nput VIN system Selection Ind below, the vehicle or model year might b METER/M&A BCM CAN GATEWAY

Figure 8

13. Select Reprogramming.

Configuration	System Selection Operation Selection	DE 17
Operation Selection		
Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an	n "Reprogramming". operation in REPLACE ECU category.	
REPROGRAMMING	In case you want to reprogramming ECU	touch "Peorogramming"
(TOUCH REPORTATIONING
Reprogramming		, count roprogramming .
Reprogramming		
Reprogramming Replacement OF ECU		
Reprogramming Replacement OF ECU Programming (Blank ECU)		Touch "Before ECU Replacement",
Reprogramming Replacement OF ECU Programming (Blank ECU) Before ECU Replacement	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is save to CONSULT.
Reprogramming Replacement OF ECU Programming (Blank ECU) Before ECU Replacement VEHICLE CONFIGURATION	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is save to CONSULT.

Figure 9

14. 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 Home Print Screen Capture	Measurement Mode		x 🖿 📃 🔀
Configuration Oper	ation 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 liste n by selecting suitable operati	d below to CONSULT. on log. Operation log is erased	
File Label	xxxxx	xxxxxx	
Operation	REPRO	OGRAMMING	
System		тсм	
Part Number	XX	xxxxx	
Vehicle	Т	ITAN	
VIN	ххххх	xxxxxx	
Date	ххххх	(XXXXXX	Save

Figure 10

- 15. Compare the Part Number you wrote down in step 14 on page 8 to the numbers in the **Current TCM Part Number** column in **Table A** below.
 - If there is a <u>match</u>, skip to step 16, below, to continue the reprogramming procedure.
 - If there is <u>not a match</u>, this TSB does not apply. Refer to the ESM for further diagnostic information.

Table A	Та	ble	Α
---------	----	-----	---

MODEL	CURRENT TCM PART NUMBER: 31039 -
	9FV1A, 9FV1B, 9FV1D, 9FV1E
	9FV3A, 9FV3B, 9FV3D, 9FV3E
2020 Titan/Titan XD	9FV4D, 9FV4E
	9FV5C
	9FV7A, 9FV7B, 9FV7D, 9FV7E
	9FV1D, 9FV1E
	9FV3D, 9FV3E
2021 Titon/Titon VD	9FV4B, 9FV4C
2021 Hian/Hian AD	9FV5A, 9FV5B
	9FV7D, 9FV7E
	9FV8B, 9FV8C
	9BT1B, 9BT1C
2020 Eroption	9BT3B, 9BT3C
	9BT5A
	9BT6A

Reprogram the TCM

16. Follow the on-screen instructions to navigate C-III plus and reprogram the TCM.

NOTE: In some cases, more than one new P/N for reprogramming is available.

- If more than one new P/N is available, the screen in Figure 11 displays.
- Select and use the reprogramming option that does <u>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.

Back Rame Print Ser	reen Streen Muniquererererererererererererererererererer	Recorded Data		
Configuration	Rittaution	Select Program Data	Confirm Vehicle Condition	9/11
elect Program Data				
ouch and select the reprog n case no reprog/programming eprog/programming data in (System	Iprogramming data listed bei ng data is listed below, confli CONSULT. TRANSMISSION	iow. m the vehicle selection, VI	N and	
Current Part Number	Part Number After Repr	o/programming	Other Information	
x00000-x00000x x00000-x00000x	300000+00000X	x000000 x000000	000000000000000000000000000000000000000	
			0/0	Next

Figure 11

17. Select USA/CANADA Dealers from the drop down menu, and then select OK.



Figure 12

- 18. Login using your NNAnet credentials.
 - The CONSULT PC must be connected to the Internet (Wi-Fi or cable).
 - If you do not know your Username and Password, contact your service manager.

User Authentication	
Beck.	
NISSAN Cabler De Northe Rodelica	
NNA Federation	
	Please enter your UserID below.
	Username Username
	Password: Password
	Submit
Restart Logen	Stand
-	

Figure 13

19. Select **Next**, and then proceed to step 20 on page 13.

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



Figure 14

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 15:

- 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 <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>.

CONSULT-II pue Ner	VN	Unition	Country Jacan
Base Hono Print Sceen	Anter Codes Mass	Margaret Help 42.0	• 📲 💥 📼 🥅 🚺
serigiter	Service Barris	Continu Resol	131
onfirm Result			
leprogramming or programming is n peratien en the ECU ouch "Reny" to letty reprogrammin	ot completed propertly, g or programming.	but you can retry reprogramm	" <mark>R</mark>
Part number after			
Teplogiprogramming		XXXXXX	
leprograngen ing ani number before leprogramming		******	
lephogiprogramming fani number tefare lephogiprogramming lehicle		XXXXXX XXXXXX XXXXXX	
lephopprogramming ani number seture lephogprogramming lehicle		XXXXXX XXXXXX XXXXXX XXXXXXXX	
ledrog/stadamming ari number sefire leprog/pregramming dehicle ilki		******* ****** ****** ****** ******	_
ledrogiptodamming Parl number before Leprogiprogramming kehole IN System Dets		XXXXXXX XXXXXXX XXXXXXX XXXXXXXXX XXXX XXX 25/07/2011 16:30.00	Rety
Reprogradiamming		25/07/2011 16 30:00	Rety

Figure 15

If reprogramming does <u>not</u> complete and the "X" icon displays, as shown in Figure 16:

- 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 <u>Home</u>, and restart the reprogram procedure from the beginning.

CONSULTINE W	Vini Venice ; CASHQAI	County Hackn
Be Hone Prit Screet	Aless server Macride Halp Care V	<u>× = _ X</u>
enfirm Result	Contractingeon	9/9
Reprogramming a refoompleted property Print this screen as needed. Confirm CON with procedure. Restan CONSULT with disconnecting VI o	SUILT version. IGN/Fower switch position, shift position and mos, and start the reprogramming again	ete 🔊
Part number after Reproc/programming	XXXXXX	
Current part number	ХЖХЖХХ	
Cument part number Vehicle	xxxxx xxxxx	
Current part number Verhicle VIN	****** ****** ******	
Cumerf part number Vehicle VIN System	жжжжж хжжжж хжжжжжж жжх	
Cumeri part number Vehisele VIN Sysseer Dese	XXXXXX XXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Curren' part number Velsole VIN System Dess Internation	XXXXXX XXXXXX XXXXXXXX XXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	



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

Bische Home Print Screen	creen Mode Recorded Data	PHEIP	× 🗖 📃 🔀
Configuration	Erase All DTCs Operation	esult <i>i</i> Complete	18/18
Print Result / Operation Complete			
All tasks are completed. Confirm LAN In case CONSULT can NOT immediate temporally storage of this page. Toucl Data Folder" on desk top, and open th	access, touch "Print" to print out sly access to LAN or printer, Screer n "Screen Capture", and save it. Sc e folder named "ScreenImages".	this page. 1 Capture function is available reen capture data is in "CIII plu	for is
Part number after Reprog/programming	3103	39	
Part number before Reprog/programming	3103	39	
Vehicle	*****		
VIN	*****	****	
System	TRANSMISSION		Print
Date	11/3/20	01× 2:10:21 AM	
		1/1	Confirm



- 24. Drive the vehicle and complete the following drive cycle:
 - Drive in each gear (1st 9th) for a minimum of 10 seconds while maintaining a vehicle speed above 7 mph (10 kph). Use either a normal drive shift schedule or manual mode shifting.
 - If the A/T warning light comes ON, end the drive cycle, check for stored DTCs, and refer to the Electronic Service Manual (ESM) for further diagnostic information not covered by this bulletin.
 - o If the A/T warning light <u>does not</u> come ON, this bulletin is complete.

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram A/T Control Unit (TCM)	(1)	JX95AA	70	22	0.6
Perform Transmisssion Shift Drive Cycle	(1)	JX96AA		32	0.2

(1) Reference the electronic parts catalog and use the Valve Control Assy (31705-****) as the Primary Failed Part (PFP).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
September 14, 2021	NTB21-086	Original bulletin published