



SERVICE BULLETIN

Classification:

AT21-006

Reference:

NTB21-073

Date:

August 6, 2021

HESITATION AND/OR SHIFT SHOCK

APPLIED VEHICLES: 2020-2021 Frontier (D40)

IF YOU CONFIRM

The customer reports hesitation and/or shift shock during acceleration,

OR

Shift shock during deceleration,

AND

There are no TCM related DTCs stored.

ACTION

1. Confirm the current TCM part number.
2. Reprogram the TCM, if applicable.

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.

SERVICE PROCEDURE

NOTICE

Perform the following before starting the reprogramming procedure to prevent damage to the control unit.

- Connect the AC Adapter to the CONSULT PC.
- Connect the CONSULT PC to the Internet via Wi-Fi or a network cable.
- Ensure ASIST on the CONSULT PC has been synchronized (updated) to the current date and all C-III plus software updates (if any) have been installed.
- 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, the reprogramming may be interrupted.
- Turn OFF all vehicle electrical loads.
- Turn ON the hazard warning lamps.
- Connect a battery maintainer or smart charger, set to reflash mode or a similar setting, to ensure the battery voltage stays between 12.0 V and 15.5 V.

HINT:

- If you are not familiar with the reprogramming procedure, *click here*. This will link you to the "CONSULT-III plus (C-III plus) ECM/TCM Reprogramming" general procedure.
- 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 reprogramming is complete, you may be required to perform:
 - Throttle Valve Closed Position Learning
 - Idle Air Volume Learning
 - Accelerator Pedal Released Position Learning
 - Calibration of Park Position Sensor
 - Calibration of Decel G Sensor
 - DTC Erase

Confirm the current TCM part number and, if applicable, reprogram the TCM

- Using C-III plus, confirm the current TCM part number and write it on the repair order.
 - If it matches one of the part numbers in **Table A**, continue to step 2 to reprogram the TCM.
 - If there is not a match, TCM reprogramming is not required. Refer to the ESM for further diagnostic information.

Table A

MODEL	CURRENT TCM PART NUMBER: 31039-
2020-2021 Frontier	9BT1B, 9BT1C 9BT3B, 9BT3C 9BT5A, 9BT6A

- Reprogram the TCM.
- After completing Erase ALL DTCs, print a copy of the C-III plus screen showing the before and after part numbers of the control unit and attach it to the repair order.

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)	JX67AA	ZE	32	0.6

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

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
August 6, 2021	NTB21-073	Original bulletin published