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# SERVICE BULLETIN

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Classification: EC21-018	Reference: NTB21-080	Date: September 1, 2021
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## MIL ON WITH DTC P0223, P0507 AND/OR P2135 STORED IN THE ECM

**APPLIED VEHICLES:** 2020-2021 Frontier (D40)

### IF YOU CONFIRM

The MIL is ON and one or more of the following DTCs is stored in the ECM:

- P0223 - TP SEN 1/CIRC-B1
- P0507 - ISC SYSTEM
- P2135 - TP SENSOR-B1

### AND

There are no drivability concerns.

### ACTION

1. Confirm the current ECM part number.
2. Reprogram the ECM, 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

- Using C-III plus, confirm the current ECM part number and write it on the repair order.
  - If it matches one of the part numbers in Table 1, continue to step 2 on page 3.
  - If it does not match one of the part numbers in Table 1, this bulletin does not apply. Go back to ASIST for further diagnostic and repair information.

Table 1

MODEL	YEAR	CURRENT ECM PART NUMBER: 23710-
Frontier	2020	9BT6A, 9BT7A
	2021	9BT8A, 9BT9A

### 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 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 will be required to perform Throttle Valve Closed Position, Idle Air Volume Learning, Accelerator Closed Position and DTC Erase.

2. Reprogram the ECM.
  
3. 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 the ECM	(1)	DE97AA	ZE	32	(2)

- (1) Reference the electronic parts catalog and use the ECM part number (23703-\*\*\*\*\*) as the Primary Failed Part (PFP).
- (2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

**AMENDMENT HISTORY**

PUBLISHED DATE	REFERENCE	DESCRIPTION
September 1, 2021	NTB21-080	Original bulletin published

