

Classification:

EM19-007

Reference:

ITB19-021

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Date:

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2019 QX50; DRIVE BELT CHIRP NOISE

APPLIED VEHICLE: 2019 QX50 (J55)

IF YOU CONFIRM

The drive belt makes a chirp type noise when accelerating the vehicle and/or revving the engine in Park.

ACTION

Compare the vehicle's ECM and TCM part numbers with those listed in **TABLE A** and **TABLE B**, respectively, in this bulletin.

- If there is a match, reprogram the ECM.
- If there is a match, also reprogram the TCM.

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.

Infiniti 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 Infiniti retailer to determine if this applies to your vehicle.

SERVICE PROCEDURE

ECM Reprogramming

IMPORTANT: Before starting the reprogramming procedure, make sure:

- ASSIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) software updates (if any) have been installed.
- The CONSULT PC is connected to the Internet (Wi-Fi or cable).

HINT:

- If you are not familiar with the reprogramming procedure, *click here*. This will link to the "CONSULT-III PLUS (C-III PLUS) ECM or TCM Reprogramming" general procedure.
- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learn (IAVL) conditions:
 - Engine coolant temperature: 70-100°C (158-212°F)
 - Battery voltage: More than 12.9V (At idle)
 - Transmission: Warmed up
- After reprogramming is complete, it is required to perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC Erase.



Figure 1

NOTICE

- Connect a battery maintainer or smart charger set to reflash mode or a similar setting. If the vehicle battery voltage drops below 12.0V or above 15.5V during reprogramming, the ECM may be damaged.
- Be sure to turn OFF all vehicle electrical loads. If a vehicle electrical load remains ON, the ECM may be damaged.
- Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the ECM may be damaged.
- Turn OFF all external Bluetooth® devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the plus VI. If Bluetooth® signal waves are within range of the CONSULT PC and the plus VI during reprogramming, reprogramming may be interrupted and the ECM may be damaged.

1. 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 A** (next page), reprogram the ECM, and then confirm if the ICM needs to be reprogrammed (see ICM Reprogramming on the next page).
 - If it does not match any of the part numbers in **Table A**, go to ICM Reprogramming on the next page.

Table A

CURRENT ECM PART NUMBER: 23710 –
5NC0D, 5NC1D, 5NC2D, 5NC3D, 5NC4D, 5NC5D, 5NC6D, 5NC7D, 5NC8D
5NC0E, 5NC1E, 5NC2E, 5NC3E, 5NC4E, 5NC5E, 5NC6E, 5NC7E, 5NC8E
5NE0A, 5NE1A, 5NE2A, 5NE3A, 5NE4A, 5NE5A, 5NE6A, 5NE7A, 5NE8A
5NE0B, 5NE1B, 5NE2B, 5NE3B, 5NE4B, 5NE5B, 5NE6B, 5NE7B, 5NE8B
5NE0C, 5NE1C, 5NE2C, 5NE3C, 5NE4C, 5NE5C, 5NE6C, 5NE7C, 5NE8C
5NE0D, 5NE1D, 5NE2D, 5NE3D, 5NE4D, 5NE5D, 5NE6D, 5NE7D, 5NE8D
5NE0E, 5NE1E, 5NE2E, 5NE3E, 5NE4E, 5NE5E, 5NE6E, 5NE7E, 5NE8E
5NF0B, 5NF1B, 5NF2B, 5NF3B, 5NF4B, 5NF5B, 5NF6B, 5NF7B, 5NF8B
5NF0C, 5NF1C, 5NF2C, 5NF3C, 5NF4C, 5NF5C, 5NF6C, 5NF7C, 5NF8C
5NL0A, 5NL1A, 5NL2A, 5NL3A, 5NL4A, 5NL5A, 5NL6A, 5NL7A, 5NL8A
5NL0B, 5NL1B, 5NL2B, 5NL3B, 5NL4B, 5NL5B, 5NL6B, 5NL7B, 5NL8B
5NL0C, 5NL1C, 5NL2C, 5NL3C, 5NL4C, 5NL5C, 5NL6C, 5NL7C, 5NL8C
5NL0D, 5NL1D, 5NL2D, 5NL3D, 5NL4D, 5NL5D, 5NL6D, 5NL7D, 5NL8D
5NL0E, 5NL1E, 5NL2E, 5NL3E, 5NL4E, 5NL5E, 5NL6E, 5NL7E, 5NL8E

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

ICM Reprogramming

HINT: C-III plus, the CONSULT PC, the AC adaptor, and the battery maintainer or smart charger should still be connected to the vehicle. If not, make sure the items under **IMPORTANT** below have been applied.

IMPORTANT: Before starting the reprogramming procedure, make sure:

- ASIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) software updates (if any) have been installed.
- The CONSULT PC is connected to the Internet (Wi-Fi or cable).

- Using C-III plus, confirm the current ICM part number and write it on the repair order.
 - If it matches one of the part numbers in **Table B**, reprogram the ICM.
 - If it does not match any of the part numbers in **Table B**, no further repairs are needed.

Table B

CURRENT ICM PART NUMBER: 31036-
5NA0A, 5NA0B, 5NA0C, 5NA0D

- After completing Erase ALL DTCs, print a copy of the C-III plus screen showing the before and after ICM part numbers 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	(2,3)

- (1) Reference the Electronic Parts Catalog (EPC) and use the ECM part number (23703-*****) as the Primary Failed Part (PFP).
- (2) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).
- (3) FRT allows adequate time to access DTC codes and reprogram ECM. No other diagnostic procedures subsequently required. Do NOT claim any Diagnostic Op Codes with this claim.

And if needed on the same repair line

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram the TCM	(1)	JE99AA	ZE	32	(2)

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
August 23, 2019	ITB19-021	Original bulletin published