

Classification:

EC21-012

Reference:

ITB21-009

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Date:

May 3, 2021

2021 Q50/Q60; DTC P0607 STORED IN THE ECM

APPLIED VEHICLES: 2021 Q50 (V37)
2021 Q60 (CV37)

IF YOU CONFIRM

If CONSULT-III plus is available:

DTC P0607 (ECM) is stored in the ECM. This DTC may be in Current or Past status.

If CONSULT-III plus is not available:

The vehicle displays an engine stall / no start condition with adequate fuel level, adequate battery voltage, and no fuel pump related DTCs present,

Or

DTC P0300 (Multiple Cylinder Misfire) is stored in the ECM and the vehicle displays misfire events on cylinder 3 and cylinder 6 only.

ACTION

1. Replace the ECM.
2. Reprogram the ECM.

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

1. Replace the ECM.

- For ECM replacement, refer to the ESM section below.
 - o **REPAIR > ENGINE > ENGINE CONTROL SYSTEM > REMOVAL AND INSTALLATION > ECM**

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 may be required to perform:
 - Accelerator Pedal Released Position Learning
 - Throttle Valve Closed Position Learning
 - Turbocharger Wastegate Control Actuator Initialization
 - Electric Intake Valve Timing Control Actuator Reference Position Learning
 - Idle Air Volume Learning
 - DTC Erase.

2. Reprogram the ECM.

IMPORTANT: The ECM must be installed, programmed, and then reprogrammed again for the repair to be complete.

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.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
Engine Control Module (ECM)	23703-6HN1A	1

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace Engine Control Module (ECM)	(1)	DE28AA	ZE	32	(2)
Reprogram Engine Control Module (ECM)		DE97AA			

- (1) Reference the electronic parts catalog and use the Engine Control Module (23703-*****) as the Primary Failed Part (PFP).
- (2) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
May 3, 2021	ITB21-009	Original bulletin published