



INFINITI

TECHNICAL SERVICE BULLETIN

Classification:

EC22-005A

Reference:

ITB22-030A

Date:

October 18, 2022

MISFIRE DTCS STORED IN THE ECM DURING COLD START

This bulletin has been amended. See **AMENDMENT HISTORY** on the last page.
Please discard previous versions of this bulletin.

APPLIED VEHICLES: 2022 QX60 (L51)

IF YOU CONFIRM

Any single or combination of the following DTCs are stored in the ECM during a cold start warm-up cycle on an **APPLIED VEHICLE**:

- P0300 (MULTI CYL MISFIRE)
- P0301 (CYL 1 MISFIRE)
- P0302 (CYL 2 MISFIRE)
- P0303 (CYL 3 MISFIRE)
- P0304 (CYL 4 MISFIRE)
- P0305 (CYL 5 MISFIRE)
- P0306 (CYL 6 MISFIRE)

AND

There is no drivability concern present.

ACTION

Follow the **SERVICE PROCEDURE** in this bulletin to 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.

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. Using CONSULT-III, 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	CURRENT ECM PART NUMBER: 23761-
QX60	6SD4B, 6SD5B, 6SD6B, 6SD7B 6SD4C, 6SD5C, 6SD6C, 6SD7C

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 12.0V or rises above 15.5V during reprogramming, the ECM may be damaged.
- Turn the hazard warning lamps ON.
 - Turn OFF all other vehicle electrical loads such as exterior lights, interior lights, HVAC, blower, rear defogger, audio, NAVI, seat heater, steering wheel heater, etc. If any other electrical loads remain 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 VI. If Bluetooth® signal waves are within range of the CONSULT PC or VI during reprogramming, reprogramming may be interrupted and the ECM may be damaged.

HINT:

- 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 ECM 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.

HINT: If you are not familiar with the reprogramming procedure, click [here](#). This will link you to the "**CONSULT REPROGRAMMING FOR ENGINE OR TRANSMISSION CONTROL MODULE (ECM OR TCM)**" general procedure.

3. After completing **Erase All DTCs**, print a copy of the CONSULT 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 Engine Control Module (ECM)	(1)	DE97AA	ZE	32	(2)

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

NOTE: FRT allows adequate time to access DTC codes and reprogram the ECM. No other diagnostic procedures subsequently required. Do NOT claim any Diagnostic Op Codes with this claim.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
August 15, 2022	ITB22-030	Original bulletin published
October 18, 2022	ITB22-030A	Changes throughout

