



INFINITI

TECHNICAL SERVICE BULLETIN

Classification: EC22-005	Reference: ITB22-030	Date: August 15, 2022
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MISFIRE DTCS STORED IN THE ECM DURING COLD START

APPLIED VEHICLES: 2022 QX60 (L51)

IF YOU CONFIRM

Any single or combination of the following DTCs are present 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

- 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 below.
 - 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, 6SD4C, 6SD4D 6SD5B, 6SD5C, 6SD5D 6SD6B, 6SD6C, 6SD6D 6SD7B, 6SD7C, 6SD7D

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 CONSULT 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.
- 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:

- 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.**

- 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.

- 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 clam any Diagnostic Op Codes with this claim.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
August 15, 2022	ITB22-030	Original bulletin published