



TECHNICAL SERVICE BULLETIN

Classification:

EC22-004

Reference:

NTB22-069

Date:

August 15, 2022

MISFIRE DTCS STORED IN THE ECM DURING COLD START

APPLIED VEHICLES: 2022 Pathfinder (R53)

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 Nissan dealer 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- |
|------------|--|
| Pathfinder | 6TH0A, 6TH0B, 6TH0C, 6TH0D, 6TH0E 6TH1A, 6TH1B, 6TH1C, 6TH1D, 6TH1E 6TH2A, 6TH2B, 6TH2C, 6TH2D, 6TH2E 6TH3A, 6TH3B, 6TH3C, 6TH3D, 6TH3E 6TR4A, 6TR5A, 6TR6A, 6TR7A |

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 Nissan 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 | NTB22-069 | Original bulletin published |