2017-2018 ROGUE SPORT; WHEN COLD LONG CRANK TIME, ENGINE TURNS OFF, HESITATION, ROUGH IDLE, OR MISFIRE

If you confirm

After the engine has been OFF for more than 2 hours, any of the following occur during engine start and warm up:

- Long engine crank time (with mechanical key only)
- Engine turns OFF, requiring a restart
- Hesitation on acceleration
- Rough Idle
- Engine misfire

Action

1. Refer to step 6 in the SERVICE PROCEDURE to confirm this bulletin applies to the vehicle you are working on.

2. If this bulletin applies, 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.

Nissan 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

IMPORTANT: Before starting, make sure:

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

NOTE:

- Most instructions for reprogramming with C-III plus are displayed on the CONSULT PC screen.
- If you are not familiar with the reprogramming procedure, click here. This will link you to the "CONSULT-III plus (C-III plus) 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

  Figure A

- After reprogramming is complete, you will be required to perform Idle Air Volume Learn. The above condition are required for Idle Air Volume Learn to complete.

CAUTION:

- Connect the GR8 to the 12V battery and select ECM Power Supply Mode. If the vehicle battery voltage drops below 12.0V or rises 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 plus VI. If Bluetooth® signal waves are within range of the CONSULT PC and plus VI during reprogramming, reprogramming may be interrupted and the ECM may be damaged.
1. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.

2. Start C-III plus.

3. Wait for the plus VI to be recognized.
   - The serial number will display when the plus VI is recognized.

4. Select **Re/programming, Configuration**.

5. Follow the on-screen instructions and navigate the C-III plus to the screen shown in Figure 2 on the next page.
6. When you get to the screen shown in Figure 2, confirm this bulletin applies as follows.

   A. Find the ECM **Part Number** and write it on the repair order.

      **NOTE:** This is the current ECM Part Number (P/N).

   B. Compare the P/N you wrote down to the numbers in the **Current ECM Part Number** column in **Table A** on the next page.

      - If there is a **match**, continue with the reprogramming procedure.
      - If there is not a **match**, reprogramming does not apply. Refer to ASIST for further diagnostic and repair information.
<table>
<thead>
<tr>
<th>MODEL</th>
<th>CURRENT ECM PART NUMBER: 23710-</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017 Rogue Sport</td>
<td>6MA0A  6MA0B  6MA0D  6MA1A  6MA1B  6MA1D  6MA2A  6MA2B  6MA2D  6MA2E  6MA3A  6MA3B  6MA3D  6MA3E  6MA4A  6MA4B  6MA4D  6MA4E  6MA5A  6MA5B  6MA5D  6MA5E  6MA6A  6MA7A  6MA8A  6MA9A  6MB0A  6MB0B  6MB0D  6MB0E  6MB1A  6MB1B  6MB1D  6MB1E  6MB2A  6MB2B  6MB2D  6MB2E  6MB3A  6MB3B  6MB3D  6MB3E  6MB6A  6MB7A  6MB8A  6MB9A</td>
</tr>
<tr>
<td>2018 Rogue Sport</td>
<td>6MH0A  6MH0B  6MH1A  6MH1B  6MH2A  6MH2B  6MH2C  6MH3A  6MH3B  6MH3C  6MH4A  6MH4B  6MH4C  6MH5A  6MH5B  6MH5C  6MH6A  6MH6B  6MH6C  6MH7A  6MH7B  6MH7C  6MH8A  6MH8B  6MH8C  6MH9A  6MH9B  6MH9C  6ME0A  6ME0B  6ME1A  6ME1B  6MG0A  6MG0B  6MG1A  6MG1B  6MG2A  6MG2B  6MG3A  6MG3B  6MG4A  6MG4B  6MG5A  6MG5B  6MG6A  6MG6B  6MG7A  6MG7B  6MG8A  6MG8B  6MG9A  6MG9B</td>
</tr>
</tbody>
</table>
7. Follow the on-screen instructions to navigate C-III plus and reprogram the ECM.

NOTE:
- In some cases, more than one new P/N for reprogramming is available.
  - If there is more than one new P/N, the screen in Figure 3 displays.
  - Select and use the reprogramming option that **does not** have the message “Caution! Use ONLY with NTBXX-XXX”.
- If you get this screen and it is **blank** (no reprogramming listed), it means there is no reprogramming available for this vehicle.

Figure 3

- Before reprogramming will start, you will be required to enter your **Username** and **Password**.
  - The CONSULT PC must be connected to the Internet (Wi-Fi or cable).
  - If you do not know your **Username** and **Password**, contact your service manager.

Figure 4
8. When the screen in Figure 5 displays, reprogramming is complete.

**NOTE:** If the screen in Figure 5 does not display (indicating that reprogramming did not complete), refer to the information on page 8.

9. Disconnect the battery charger from the vehicle.

10. Select **Next**.

**NOTE:**

- In the next steps, starting on page 9, you will perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.
- These operations are required before C-III plus will provide the final reprogramming confirmation report.
ECM recovery:

**Do not disconnect the plus VI or shut down C-III plus if reprogramming does not complete.**

If reprogramming does **not** complete and the “!?” icon displays as shown in Figure 6:

- Check battery voltage (12.0–15.5 V).
- Ignition is ON, engine OFF.
- External Bluetooth® devices are OFF.
- All electrical loads are OFF.
- Select **retry** and follow the on screen instructions.
- “Retry” may not go through on first attempt and can be selected more than once.

![Figure 6](image)

If reprogramming does **not** complete and the “X” icon displays as shown in Figure 7:

- Check battery voltage (12.0 – 15.5 V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, engine OFF.
- Transmission is in Park.
- All C-III plus / VI cables are securely connected.
- All C-III plus updates are installed.
- Select **Home**, and restart the reprogram procedure from the beginning.

![Figure 7](image)
11. Follow the on-screen instructions to perform the following:

- **Throttle Valve Closed Position.**

- **Idle Air Volume Learn (IAVL).**

**NOTE:**

- Listed below are common conditions required for IAVL to complete.
- If IAVL does not complete within a few minutes, a condition may be out of range.
- Refer to the appropriate ESM for specific conditions required for the vehicle you are working on.
  - Engine coolant temperature: 70-100°C (158-212°F)
  - Battery voltage: More than 12.9V (At idle)
  - Selector lever: P or N
  - Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
  - Steering wheel: Neutral (Straight-ahead position)
  - Vehicle speed: Stopped
  - Transmission: Warmed up

- **Accelerator Pedal Close Position Learning**

- **Erase DTCs**

Continue to the next page.
12. When the entire reprogramming process is complete, the screen in Figure 8 will display.

13. Verify the before and after part numbers are different.

14. Print a copy of this screen (Figure 8) and attach it to the repair order for warranty documentation.

15. Select Confirm.


17. Turn the ignition OFF.

18. Disconnect the plus VI from the vehicle.

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

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PFP</th>
<th>OP CODE</th>
<th>SYM</th>
<th>DIA</th>
<th>FRT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reprogram ECM</td>
<td>(1)</td>
<td>DE97AA</td>
<td>ZE</td>
<td>32</td>
<td>(2) (3)</td>
</tr>
</tbody>
</table>

(1) Reference FAST and use the ECM part number (23710-****) as the PFP.
(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated 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.