



EL20-044

NTB20-096

December 21, 2020

Date:

# VOLUNTARY SERVICE CAMPAIGN BCM REPROGRAM TO DISABLE FOG LAMP OPERATION **DURING HIGH BEAM OPERATION**

CAMPAIGN ID #: P0A34 APPLIED VEHICLES: 2020 Sentra (B18) - SR

> Check Service COMM or Dealer Business Systems (DBS) National Service History to confirm campaign eligibility.

### INTRODUCTION

Nissan is conducting this voluntary service campaign, on certain specific model year 2020 Sentra SR models, to reprogram the BCM in order to disable fog lamp operation when the high beams are in use. This service will be performed at no charge to the customer for parts or labor.

### **IDENTIFICATION NUMBER**

Nissan has assigned identification number P0A34 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

### DEALER RESPONSIBILITY

Dealers are to repair vehicles falling within range of this campaign that enter the service department. This includes vehicles purchased from private parties, vehicles presented by transient (tourists) owners, and vehicles in a dealer's inventory.

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

### **Document the BCM Configuration Settings**

**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.
- During the reprogramming process, you will receive some errors. These errors are expected. Please follow <u>all</u> of the steps in this procedure to successfully complete the reprogramming process.

# NOTICE

- Connect a battery maintainer or smart charger set to reflash mode or a similar setting. If the vehicle battery voltage drops below <u>12.0V or rises above 15.5V</u> during reprogramming, <u>the BCM may be damaged</u>.
- Be sure to turn OFF all vehicle electrical loads. If a vehicle electrical load remains ON, <u>the BCM may be damaged</u>.
- Be sure to connect the AC Adapter.
   If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and <u>the BCM may be damaged</u>.
- Turn OFF all external Bluetooth<sup>®</sup> devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth<sup>®</sup> signal waves are within range of the CONSULT PC or VI during reprogramming, reprogramming may be interrupted and <u>the BCM may be damaged</u>.
- 1. Connect the VI to the vehicle.
- 2. Start C-III plus.
- 3. Wait for the VI to be recognized.
  - The serial number will display when the VI is recognized.

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

|                      | <b>H</b><br>Back  | Home Print                | Screen Caobre nt Mode                 | conded<br>Data          |  |
|----------------------|-------------------|---------------------------|---------------------------------------|-------------------------|--|
|                      | Connection Status |                           |                                       | Diagnosis Menu          |  |
|                      |                   | Serial No.                | Status                                | Diagnosis (One System)  |  |
| The VI is recognized | VI                | 232665<br>2               | >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> | Diagnosis (All Systems) |  |
|                      | мі                | -                         | No connection                         | Re/programming,         |  |
|                      | 80                | Select VI/I               | МІ                                    | Immobilizer             |  |
|                      | Applica           | ation Setting<br>Sub mode | Language<br>Setting                   | Maintenance             |  |
|                      |                   | VDR                       |                                       |                         |  |
|                      | 1                 |                           |                                       |                         |  |

Figure 1

5. Check the box to confirm the precaution instructions have been read, and then select **Next**.

NOTE: Use the arrows (if needed) to view and read all the precautions.



Figure 2

## 6. Select Automatic Selection(VIN).

|   | Back Home                    | Print Screen Scree<br>Captu | en Measurement Re | ecorded Help      | 12.2V VI MI          |               |
|---|------------------------------|-----------------------------|-------------------|-------------------|----------------------|---------------|
|   | Re/programmi<br>Configuratio | ng, 🚺                       | Precaution        | Vehicle Selection | Vehicle Confirmation |               |
|   | Automatic S                  | election(VIN)               | ect               | ion(Vehicle Name) |                      |               |
|   | Vehicle Name :               |                             |                   |                   | Model Year :         | Sales Channel |
|   | *MURANO<br>Camp:P8201        | JUKE                        | QUEST             |                   |                      | NISSAN        |
|   | 350Z                         | LEAF                        | ROGUE             |                   |                      | INFINITI      |
|   | 370Z                         | MAXIMA                      | SENTRA            |                   |                      |               |
|   | 370Z Convertible             | MURANO                      | TITAN             |                   |                      |               |
|   | ALTIMA                       | MURANO Cross<br>Cabriolet   | TITAN             |                   |                      |               |
|   | ALTIMA Hybrid                | NISSAN GT-R                 | VERSA Hatchback   |                   |                      |               |
|   | ARMADA                       | NV                          | VERSA Sedan       |                   |                      |               |
|   | CUBE                         | PATHFINDER                  | XTERRA            |                   |                      | CLEAR         |
|   | FRONTIER                     | PATHFINDER<br>ARMADA        | X-TRAIL           |                   |                      | Select        |
|   |                              |                             |                   | 1/1               | 0/0                  | Select        |
| · |                              |                             |                   |                   |                      |               |

Figure 3

7. Allow the CONSULT to perform automatic VIN selection.

| Back     Image: Constraint of the sector of th   | creen Screen Me       | easureme<br>nt Mode | Help           | (14.7V VI              | × = _ ×           |
|--|-----------------------|---------------------|----------------|------------------------|-------------------|
| Configuration  | Precau                | Ition               | le Selection   | Vehicle<br>Confirmatio | n 💽               |
| Automatic Selec Auto   | omatic Selection(VIN) | road Selection(We   | Auctor Mannel) |                        | ]                 |
| Vehicle can be spec<br>III plus will start sear<br>and touch "Detect Ve  | ₹eading VIN           |                     |                |                        | JLT-<br>Ily       |
| NISSAN MOTOR COLITD JAPAN<br>String<br>String<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>Weith<br>W |                       |                     | _              |                        | Ĩ                 |
| 日產自動車株式会社 wat not<br>VIN   |                       | Cancel              |                |                        |                   |
|  |                       |                     |                |                        | Detect<br>Vehicle |

Figure 4

8. Confirm the VIN or Chassis # is correct, and then select Confirm.

| Back Home Print Screen                                       | Measureme<br>nt Mode                                  | x <b>—</b> |
|--|---|------------|
| Configuration  | icle Selection Vehicle<br>Confirmation                |            |
| Please confirm selected information vehicle, touch "Change". | n and touch "Confirm". In case you want to select ano | ther       |
| VIN or Chassis #   | XXXX ARREX XXX283982                                  |            |
| Vehicle Name :   | SENTRA  |            |
| ModelYear  | 2020MY  |            |
|  |   | _          |
|  | 1/1   |            |
|  |   |            |
|  |   | Change     |
|  |   | Confirm    |

Figure 5

9. Allow the System call to be performed.

| Back Home P                                 | rint Screen<br>rint Screen<br>in Mode<br>Screen |         |
|---|---|---------|
| Re/programming<br>C Configuration           | Vehicle Selection Vehicle Confirmation          |         |
| Please confirm sele<br>vehicle, touch "Chan | System call performing Please wait              | er      |
| Vehicle Name :<br>Model Year                |   |         |
|   | Cancel  | }       |
|   |   | Change  |
|   |   | Confirm |

Figure 6

10. Confirm the VIN is correct for the vehicle, and then select **Confirm**.

| Re/programming, Vehicle Input VIN  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Enter the VIN number, and touch "Confirm".<br>According to this operation, in case of specified operation that requires to save ECU<br>information into CONSULT, VIN number you input is saved as file name. Therefore, confirm<br>VIN number correctly.   |  |  |  |  |  |  |
| NSSAN WOTOR COLID.JPAN<br>型 余 Inf<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Windows<br>Wind |  |  |  |  |  |  |
| VIN (17 or 18 digits) 804 ABOOX * X 208002   |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Confirm  |  |  |  |  |  |  |

Figure 7

11. Go to the second page by selecting the "Right" arrow.

| Image: Back         Image: Back         Image: Screen Canter         Image: Screen Canter                                  | Measureme<br>nt Mode<br>Measureme<br>Mecouded<br>Data              | 14.7V VI MI         |  |  |  |  |
|--|--|---------------------|--|--|--|--|
| Re/programming,<br>Configuration   | Re/programming, Input VIN System Selection Operation Selection 5/6 |                     |  |  |  |  |
| System Selection   |  |                     |  |  |  |  |
| Touch "system".<br>In case ECU you want to operate is not listed below, the vehicle or model year might be selected wrong. |  |                     |  |  |  |  |
| ENGINE   | ENGINE Audio amp. EPS/DAST 3                                       |                     |  |  |  |  |
| MULTI AV   | ABS  |                     |  |  |  |  |
| 3ch CAN GATEWAY  | IVC  | IPDM E/R            |  |  |  |  |
| HANDS FREE MODULE  | Side radar (Front right)   | HEAD LAMP LEVELIZER |  |  |  |  |
| 6ch CAN GATEWAY  | 8ch CAN GATEWAY  | METER/M&A           |  |  |  |  |
|  |  |                     |  |  |  |  |

Figure 8

## 12. Select **BCM**.

| Back Home Print Screen Capter  | Measureme<br>nt Mode                               | 14.7V VI MI             |  |  |  |  |
|--|--|-------------------------|--|--|--|--|
| Configuration  | Input VIN System Selection                         | Operation Selection 5/6 |  |  |  |  |
| System Selection   |  |                         |  |  |  |  |
| Touch "system".<br>In case ECU you want to operate is not listed below, the vehicle or model year might be selected wrong. |  |                         |  |  |  |  |
| LASER/RADAR  | LASER/RADAR Side radar (Rear left) CHASSIS CONTROL |                         |  |  |  |  |
| ВСМ  | Side radar (Rear right)                            | TRANSMISSION            |  |  |  |  |
| SONAR  | SONAR TELEMATICS ICC/ADAS 2                        |                         |  |  |  |  |
| LANE CAMERA  | HVAC   |                         |  |  |  |  |
| AIR BAG  | AVM  |                         |  |  |  |  |
|  |  |                         |  |  |  |  |
|  |  | 2/2                     |  |  |  |  |

Figure 9

# 13. Select Before ECU Replacement under VEHICLE CONFIGURATION.

| Operation Selection  |  |   |
|--|--|---|
| Touch "Operation".<br>In case over write current ECU, touch<br>In case replacement of ECU, select an o | "Reprogramming".<br>operation in REPLACE ECU category. |   |
| REPROGRAMMING  | In case you want to reprogramming ECU                  | , touch "Reprogramming".  |
|  |  |   |
| Reprogramming  |  |   |
| Reprogramming<br>Replacement OF ECU  |  |   |
| Reprogramming<br>Replacement OF ECU<br>Programming (Blank ECU)   |  |   |
| Reprogramming<br>Replacement OF ECU<br>Programming (Blank ECU)<br>Before ECU<br>Replacement            | After ECU Replacement                                  | Touch "Before ECU Replacement",<br>Operation log with part number is say<br>to CONSULT. |
| Reprogramming<br>Replacement OF ECU<br>Programming (Blank ECU)<br>Before ECU<br>Replacement            | After ECU Replacement                                  | Touch "Before ECU Replacement",<br>Operation log with part number is say<br>to CONSULT. |

Figure 10

- 14. Scroll through each of the four pages of configuration items and write down each item and setting value.
  - If a printer is connected to the CONSULT PC, you may select **Print**.

**IMPORTANT:** Document or print all configuration settings as these settings will be used in step 31 and the SAVE function for this reprogram will **NOT** work.

|   | Back Print Screen Screen Measureme Recor<br>Back Defense Screen Int Mode   | ded<br>Help ERT 14.6V VI MI |       |  |  |  |
|---|--|-----------------------------|-------|--|--|--|
|   | Configuration  | Save ECU Data               | 7/7   |  |  |  |
| s | ave ECU Data   |                             |       |  |  |  |
| • | The current vehicle specification as listed below are saved in vehicle ECU. Touch "Save" to save this information. In case of no items listed below, no item is available for configuration. |                             |       |  |  |  |
|   | ВСМ  |                             |       |  |  |  |
|   | Items Setting Value  |                             |       |  |  |  |
|   | Daytime running light  | WITH                        |       |  |  |  |
|   | Lane camera unit   | WITH                        |       |  |  |  |
|   | High beam assist / ALH setting   | MODE2                       |       |  |  |  |
|   | AV control unit  | WITH                        | Print |  |  |  |
|   | тси  | WITHOUT                     |       |  |  |  |
|   |  |                             |       |  |  |  |

Figure 11

15. Once all the setting values have been documented, select **Back** in the upper left hand portion of the screen.

| Back Market Capture M   | easureme<br>nt Mode             | ed Help                            | RT 14.7V     |           |       |
|---|---------------------------------|------------------------------------|--------------|-----------|-------|
| Configuration   | Selection                       | ave ECU Data                       | ]            |           | 7/7   |
| Save ECU Data   |                                 |                                    |              |           |       |
| The current vehicle specification as lister<br>save this information.<br>In case of no items listed below, no item is | d below are sa<br>available for | ved in vehicle E<br>configuration. | ECU. Touch   | "Save" to |       |
| ВСМ   |                                 |                                    |              |           | -     |
| Items   |                                 | Se                                 | etting Value |           |       |
| Low pressure recovery threshold value   |                                 | 1                                  | MODE1        |           |       |
| Exterior lamp setting   |                                 | 1                                  | MODE2        |           |       |
| Vehicle speed condition for ignition ON /   | OFF                             | 1                                  | MODE2        |           |       |
| Door lock permission for ignition ON  |                                 |                                    | WITH         |           | Print |
| (TBD)WIPER_LINKED_AUTO_LIGHT  |                                 |                                    | WITH         |           |       |
|   |                                 |                                    | 4 / 4        |           |       |

Figure 12

**IMPORTANT:** During the reprogramming process, you will receive some errors. These errors are expected. Please follow <u>all</u> of the steps in this procedure to successfully complete the reprogramming process.

### 16. Select Reprogramming.

| Back Rome Print Screen Capture  | Measurement Mode Recorded Help        |  |  |  |  |  |
|---|---------------------------------------|--|--|--|--|--|
| Sys   | stem Selection Operation Selection    | 717  |  |  |  |  |
| Operation Selection   |                                       |  |  |  |  |  |
| Touch "Operation".<br>In case over write current ECU, touch "Reprogramming".<br>In case replacement of ECU, select an operation in REPLACE ECU category.  |                                       |  |  |  |  |  |
| REPROGRAMMING   |                                       |  |  |  |  |  |
| Reprogramming   | In case you want to reprogramming ECU | , touch "Reprogramming".   |  |  |  |  |
| Replacement OF ECU  |                                       |  |  |  |  |  |
| Programming (Blank ECU)   |                                       |  |  |  |  |  |
| Before ECU<br>Replacement         After ECU Replacement         Touch "Before ECU Replacement",<br>Operation log with part number is saved<br>to CONSULT. |                                       |  |  |  |  |  |
| VEHICLE CONFIGURATION   |                                       |  |  |  |  |  |
| Before ECU<br>Replacement   | After ECU Replacement                 | Touch "Before ECU Replacement",<br>Operation log with configuration data is<br>saved to CONSULT. |  |  |  |  |
|   |                                       |  |  |  |  |  |

Figure 13

Find the BCM Part Number and write it on the repair order, and then select Save.
 NOTE: This is the current Part Number (P/N).

| Back         Image: Configuration         Image: Configuration         Image: Configuration         Operation  | Measurement<br>Mode<br>tion Selection<br>Mode<br>Measurement<br>Mode<br>Measurement<br>Base<br>Ber<br>Help<br>Help<br>Help<br>Help<br>Help<br>Help<br>Help<br>Help | 8/8  |
|--|--|------|
| Save ECU Data<br>Touch "Save" to save operation log and th<br>Operation log helps to restart next operatio<br>after operation has completely finished. | e current part number as listed below to CONSULT.<br>n by selecting suitable operation log. Operation log is erased  |      |
| File Label   | XYXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   |      |
| Operation  | REPROGRAMMING  |      |
| System   | ВСМ  |      |
| Part Number  | XMRXXMR  |      |
| Vehicle  | B18SENTRA  |      |
| VIN  | XVXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  |      |
| Date   | XXXXXXXXXXXXXXX  | Save |

Figure 14

18. Check the box to confirm the precaution instructions have been read, and then select **Next**.

NOTE: Use the arrows (if needed) to view and read all the precautions.



Figure 15

- 19. Read the **Current Part Number** and **Part Number After Repro/programming**. They should be different (Figure 16).
- 20. Select Next.

| Back Re/programming, Configuration   | Measurement<br>Mode<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement<br>Messurement | 10/11     |  |  |  |  |
|--|--|-----------|--|--|--|--|
| Select Program Data  |  |           |  |  |  |  |
| Confirm the detail listed below, and touch "Next" if OK.<br>-In case the screen to select reprog/programming data is NOT displayed, only one data is available for this<br>vehicle.<br>-In case the part number after reprogramming is wrong, touch "Re-select", and confirm the vehicle<br>selection, VIN and reprog/programming data in CONSULT. |  |           |  |  |  |  |
| Part Number After Repro/programming  | XEX.BKXKXXXX   |           |  |  |  |  |
| Current Part Number  | <b>\$949993197</b>   |           |  |  |  |  |
| Vehicle  | SENTRA B18   |           |  |  |  |  |
| VIN  | VIN XXX X0652 XXX X0X596 X   |           |  |  |  |  |
| System BCM   |  |           |  |  |  |  |
| Other Information  | B18 BCM  | Re-select |  |  |  |  |
| Expected time to finish re/programming   | Next   |           |  |  |  |  |
|  |  |           |  |  |  |  |

Figure 16

21. Confirm the battery charger is ON and the battery voltage is between 12V-15.5V, and then select **Next**.



Figure 17

22. Confirm the battery voltage Judgment is OK, and then select **Start**.



Figure 18

23. Select **USA/CANADA Dealers** from the drop down menu, and then select **OK**.



Figure 19

24. Login using your NNAnet credentials.

| User Authentication<br>Back |  |        |
|-----------------------------|--|--------|
|                             |  |        |
| NNA Federation              |  |        |
|                             | Please error your User(D below,<br>Username<br>Passwort Password<br>Submit |        |
| Prestart Login              |  | Second |
|                             |  |        |
|                             |  |        |

Figure 20

25. Allow CONSULT to reprogram the BCM.

| Hank Responsessing  | Com Carter Magar  | Recorded Nov  |   | × =  | ×    |
|---|---|---|---|--|------|
| Configuration   | User Authentication   | Transfer Data   |   |  | 3/13 |
| Transfer Data   |   |   |   |  |      |
| Programming_VI is transfe<br>In case the other VI is avails<br>other vehicles by using oth<br>screen, and touch "VIMI se<br>"Reprogramming/Programm | ring the data to vehicle ECU,<br>ble, CONSULT-III plus is availa<br>r VI. In case you want to use C<br>lection" to select other VI. In ca<br>ing" on Home screen. | ble for other operations<br>CONSULT-III plus with oth<br>se you want to back to t | such as reprogram<br>ler VI, touch "Hom<br>his screen, select | ming or diagnosing<br>e" to back to Home<br>this VI, and touch |      |
| Estimated Time  | 10min   |   |   |  |      |
| Transfer<br>CONSULT to VI   |   |   |   |  | 100% |
| Transfer<br>Vi to ECU   |   |   |   |  | 40%  |
| F   |   |   | .0  | 0  |      |

Figure 21

- 26. Toward the end of the reprogram, the CONSULT will show an Error Code **"Reprogramming Ignition off Error**" and the vehicle ignition will turn off.
  - a) Turn the ignition ON, engine OFF.
  - b) Select Retry.

| Relayong annula Configuration   | And                               |               |
|---|---|---------------|
| Reprogramming or programming is not co<br>operation on this ECU.<br>Touch "Retry" to retry reprogramming or p | mpleted properly, but you can retry reprogiprogramming<br>rogramming. |               |
| Part number after<br>Reprog/programming   | *****   |               |
| Current Part Number   | *****   |               |
| /ehicle B185ENTRA   |   |               |
| IN  | *****   |               |
| System  | BCM   | Error details |
|   | VIVINER VIVIN   | Retry         |
| Date  |   |               |
| Date  | B18 BCM   |               |

Figure 22

27. If Error Code description "**Reprogramming Not Needed**" is displayed after another reattempt, this indicates the reprogramming has successfully completed. Select **Home**, and then proceed to step 28 on page 18.

**NOTE:** If the screen in Figure 23 does not display (indicating that reprogramming did <u>not</u> complete), refer to the information on the next page.

| Configuration  | Transfer Data Confirm Result 6/6                                     |
|--|--|
| Confirm Result   |  |
| Reprogramming or programming is not o<br>operation on this ECU.<br>Touch "Retry" to retry reprogramming or | ompleted properly, but you can retry reprogiprogramming programming. |
| Part number after<br>Reprogiprogramming  | XMRONSHRK  |
| Current Part Number  | RMRORMRK   |
| Vehicle  | B18SENTRA  |
| VIN  | SKREKKNERKK  |
| System   | BCM Error details  |
| Date   | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX                               |
| Other Information  | B18 BCM  |
| Error Code   | Reprogramming Not Needed Print                                       |

Figure 23

### **BCM Recovery:**

# If reprogramming does <u>not</u> complete and the "!?" symbol displays as shown in Figure 24:

- Check battery voltage (12.0 15.5V).
- Ignition is ON, Engine is OFF.
- External Bluetooth<sup>®</sup> devices are OFF.
- All electrical loads are OFF.
- Select <u>Retry</u> and follow the on screen instructions.

**NOTE**: Retry may not go through on first attempt and can be selected more than once.

| tent Tome Providence   | Minatoreau Data                                   |                    |               |
|--|---|--------------------|---------------|
| Configuration  | Confirm Result                                    |                    | 14/14         |
| Confirm Result   |   |                    |               |
| Reprogramming or programming is not com<br>operation on this ECU.<br>Touch "Retry" to retry reprogramming or pro | pleted properly, but you can retry i<br>gramming. | reprogiprogramming |               |
| Part number after<br>Reprog/programming  | 2200303   | exe                |               |
| Current Part Number  | XXXXXX  | CXP.               |               |
| Vehicle  | B18SEN  | TRA                |               |
| VIN  | XOCKOCKOC   | XNENCX             |               |
| System   | BCM   | . N                | Error details |
| Date   | XXXXXXXX  | 000                | Retry         |
| Other Information  | B18 B0  | CM L               |               |
| Error Code   |   |                    | Print         |
|  |   |                    |               |

Figure 24

If reprogramming does <u>not</u> complete and the "X" symbol displays as shown in Figure 25:

- Do not disconnect the VI or shut down C-III plus if reprogramming does not complete.
- Check battery voltage (12.0 15.5V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, Engine is OFF.
- Transmission in Park.
- All C-III plus / VI cables are securely connected.
- All C-III plus updates are installed.
- Select <u>Home</u>, and then restart the reprogram procedure from the beginning.

| Ant Name Providence   |  | -             |
|---|--|---------------|
| Configuration   | Transfer Data Confirm Result   | 14/14         |
| Confirm Result  |  |               |
| Reprogramming or programming is no<br>operation on this ECU.<br>Touch "Retry" to retry reprogramming of | completed property, but you can retry reprogiprogramming<br>r programming. | 8             |
| Part number after<br>Reprog/programming   | хжжжж  | 1             |
| Current Part Number   | хжижж  | ]             |
| Vehicle   | B18SENTRA  | ]             |
| VIN   | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX                                    |               |
| System  | BCM  | Error details |
|   |  | Retry         |
| Date  | ANAAAAAAAA   | ricuy         |
| Date<br>Other Information   | B18 BCM  |               |

Figure 25

### **Configure the BCM**

**IMPORTANT:** Approximately 90 seconds after the reprogram has completed, the BCM will enter battery saver mode and will turn the ignition off.

- Periodically check the vehicle to verify the ignition is still on and turn the ignition to the ON position as needed.
- This condition will no longer be present after the BCM has been configured.
- 28. Repeat steps 4 12 on pages 3 -7.
- 29. Select After ECU Replacement under VEHICLE CONFIGURATION.

| ter Back Print Screen   | Measurement Mode Recorded Data                         | AT 14.7V VI MI                                      |
|---|--|---|
| Configuration   | System Selection Operation Selection                   | 7/7   |
| peration Selection  |  |   |
| Touch "Operation".<br>In case over write current ECU, touch "<br>In case replacement of ECU, select an op | 'Reprogramming''.<br>peration in REPLACE ECU category. |   |
| REPROGRAMMING<br>Reprogramming  | In case you want to reprogramming ECU                  | , touch "Reprogramming".                            |
| Replacement OF ECU  |  |   |
| Programming (Blank ECU)   |  | Touch "Pafora ECII Paplacament"                     |
| Before ECU<br>Replacement   | After ECU Replacement                                  | Operation log with part number is saved to CONSULT. |
| VEHICLE CONFIGURATION   |  |   |
|   |  |   |

Figure 26

### 30. Select Manual selection.

| Select an operation from the | following list.   |
|------------------------------|---|
| Touch "EPC enked or Manu     | al selection .  |
| _                            |   |
|                              | Touch "EPC linked" to select automatic selection for writing data using the file g<br>in EPC. |
| EPC linked                   |   |
| -                            | 4   |
|                              | Touch "Manual selection" to select writing data manually.                                     |
|                              |   |

Figure 27

31. Select the Setting Value for each item that was documented in step 14.

**NOTE:** The configuration item list, after the reprogramming, will be reduced compared to step 14.

32. Select Next.

| Image: Configuration         Image: Co | Image: Configuration         Image: Configuration                                 | -      |
|--|---|--------|
| Manual Configuration<br>identify the correct model and configuration list described<br>Confirm and/or change setting value for each item, touch "I<br>Make sure to touch "Next" even if configuration list is not d<br>if not, configuration which is set automatically by selecting v   | In Service Manual.<br>Next".<br>Sisplayed.<br>rehicle model can not be memorized. |        |
| BCM Rems   | Setting Value   |        |
| тси  | ► ## ▼  |        |
| Turn signal lamp variant   | # •   |        |
| (TBD)PHONE_REMOTE_FLASH_NB   | ## 🔻  |        |
| AIT  | ## <b>\V</b>  | Cancel |
|  | 1/1   | Next   |

Figure 28

33. Select **OK** to write the configuration.

| Back Rome Prof. Science  |  | Received Reference            | 🚓 <b>Тіі</b> Х<br>14.7V VI МІ        |          |
|--|--|-------------------------------|--------------------------------------|----------|
| Configuration  | Manual<br>Configuration                                  | Write Configuration           | Print.Result./<br>Operation Complete | 10/11    |
| Write Configuration  |  |                               |                                      |          |
| Following setting value for each its<br>Confirm setting value for each items | m are saved to vehicle EC<br>s, if OK, touch "OK" to sav | CU.<br>e them to vehicle ECU. |                                      | <b>1</b> |
| Items  |  | Setting                       | Value                                | 7        |
| TCU  |  | WITH                          | IOUT                                 | 1        |
| Turn signal lamp variant   |  | WITH                          | OUT                                  | 1        |
| (TBD)PHONE_REMOTE_FLA  | SH_NB  | MO                            | DE1                                  | 1        |
| A/T  |  | W                             | тн                                   | Cancel   |
|  |  | 1                             | 1                                    | ок       |

Figure 29

34. Allow the configuration to write to the BCM.

| Back Reserved Front Screen Captorn Mar                          |                      |             |                                  | × 🗖 📃 🔀    |
|---|----------------------|-------------|----------------------------------|------------|
| Configuration Manual Configuration                              | tion Write Co        | ofiguration | Print Result /<br>peration Compl | lete 10/11 |
| Write Configuration   |                      |             |                                  |            |
| Following setting value for<br>Confirm setting value for<br>RCM | Please wait for a wi | hile        |                                  |            |
| TCU<br>Turn signal lamp var                                     | <b>•</b>             | 5 0         | _                                |            |
| (TBD)PHONE_REMO   |                      |             | 69%                              |            |
| A/T   |                      | WITH        | H                                | Cancel     |
|   |                      | 1/          | 1                                | ОК         |

Figure 30

### 35. Select End.

| Back Home Print Screen Capture Measurement Mode   | Recorded Data   |                    |  |  |  |  |  |
|---|---|--------------------|--|--|--|--|--|
| Re/programming, Configuration   | Re/programming,<br>Configuration Write Configuration Print Result /<br>Operation Complete 11/11 |                    |  |  |  |  |  |
| Print Result / Operation Complete   |   |                    |  |  |  |  |  |
| Write Configuration has been successfully completed.<br>Touch "End" to finish operation, and to back to Home Screen. Confirm each function works correctly. |   |                    |  |  |  |  |  |
| ВСМ   |   |                    |  |  |  |  |  |
| Items   | Setting Value   |                    |  |  |  |  |  |
| тси   | тси without   |                    |  |  |  |  |  |
| Turn signal lamp variant  | WITHOUT   |                    |  |  |  |  |  |
| (TBD)PHONE_REMOTE_FLASH_NB  | MODE1   | Print              |  |  |  |  |  |
| A/T   | WITH  | Other<br>Operation |  |  |  |  |  |
| 1/1 End   |   |                    |  |  |  |  |  |

Figure 31

### **Register TPMS Sensors**

- 36. Register the TPMS sensors.
  - For TMPS sensor ID registration, refer to the Electronic Service Manual (ESM) section: SUSPENSION > ROAD WHEELS & TIRES > BASIC INSPECTION > ID REGISTRATION PROCEDURE.

## Erase DTCs

| Back             | Home Prints   | Screen Canture Mode Rec            |                           |
|------------------|---------------|------------------------------------|---------------------------|
| Conne            | ction Status  | ;                                  | Diagnosis Menu            |
|                  | Serial No.    | Status                             | Diagnosis (One System)    |
| VI               | 232665        | Normal Mode/Wireless<br>connection | 🚵 Diagnosis (All Systems) |
| МІ               | -             | No connection                      | Re/programming,           |
| 8.00             | Select VI/N   | И                                  |                           |
| Applica          | ation Setting |                                    |                           |
| Sub mode Setting |               |                                    | Maintenance               |
| 17'              | VDR           |                                    |                           |
|                  |               | Figu                               |                           |

37. Select Diagnosis (All Systems).

ıy

38. Select Automatic Selection(VIN).

| Back Home                    | Print Screen              | en Measurement Re | ecorded<br>Data   | 12.2V VI MI          | -             |
|------------------------------|---------------------------|-------------------|-------------------|----------------------|---------------|
| Re/programmi<br>Configuratio | ng, 🚺                     | Precaution        | Vehicle Selection | Vehicle Confirmation |               |
| Automatic S                  | election(VIN)             | ect               | ion(Vehicle Name) |                      |               |
| Vehicle Name :               |                           |                   |                   | Model Year :         | Sales Channel |
| *MURANO<br>Camp:P8201        | JUKE                      | QUEST             |                   |                      | NISSAN        |
| 350Z                         | LEAF                      | ROGUE             | _                 |                      | INFINITI      |
| 370Z                         | MAXIMA                    | SENTRA            |                   |                      |               |
| 370Z Convertible             | MURANO                    | TITAN             |                   |                      |               |
| ALTIMA                       | MURANO Cross<br>Cabriolet | TITAN             |                   |                      |               |
| ALTIMA Hybrid                | NISSAN GT-R               | VERSA Hatchback   |                   |                      |               |
| ARMADA                       | NV                        | VERSA Sedan       |                   |                      |               |
| CUBE                         | PATHFINDER                | XTERRA            |                   |                      | CLEAR         |
| FRONTIER                     | PATHFINDER<br>ARMADA      | X-TRAIL           |                   |                      | Salaat        |
|                              |                           |                   | 1/1               | 0/0                  |               |

Figure 33

39. Allow the CONSULT to perform automatic VIN selection.

| Back Home   | Print Screen     | Screen<br>Caplure | Measureme<br>nt Mode | Recorded<br>Data | <b>O</b><br>Help | ERT | 14.7V      | YI<br>VI          | ×<br>MI     | -                 |
|---|------------------|-------------------|----------------------|------------------|------------------|-----|------------|-------------------|-------------|-------------------|
| Configuration   | g, 💽             | Pre               | caution              | Vehic            | le Selecti       | on  | Ve<br>Conf | ehicle<br>irmatio | on          |                   |
| Automatic Sele  | C Automatic Sele | ection(VIN)       | Marrial Se           | he first the     | ticle Rev        |     |            |                   |             |                   |
| Vehicle can be spe<br>III plus will start sea<br>and touch "Detect V<br>NISAN WOTOR COLITUARA<br>東本 NG<br>NISAN WOTOR COLITUARA<br>東本 NG<br>NISAN WOTOR COLITUARA<br>東本 NG<br>NISAN WOTOR COLITUARA | Readin           | g VIN             |                      | Cancel           |                  |     |            |                   | JL1<br>illy |                   |
| VIN   |                  | _                 |                      |                  | _                |     | _          | _                 |             |                   |
|   |                  |                   |                      |                  |                  |     |            |                   |             | Detect<br>Vehicle |

Figure 34

40. Confirm the **VIN or Chassis #** is correct, and then select **Confirm**.

| Back Home Print Screen Screen Cantum                         | Measureme<br>nt Mode<br>Cle Selection<br>Measureme<br>New Market<br>New Ma |         |
|--|--|---------|
| Please confirm selected information vehicle, touch "Change". | and touch "Confirm". In case you want to select another  |         |
| VIN or Chassis #   | XNXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   |         |
| Vehicle Name :   | SENTRA   |         |
| Model Year   | 2020MY   |         |
|  | 1/1  |         |
|  |  | Change  |
|  |  | Confirm |

Figure 35

## 41. Select ERASE.

| Eack State                 | Proof Econom | t Vehicle Confirm Vehicle | prosis (All<br>ystems) |         | M            |              |
|----------------------------|--------------|---------------------------|------------------------|---------|--------------|--------------|
|                            | CAN Disc     | SUPPORT MNTR              | a Pione                | - Herwo | RDTC         |              |
|                            |              | ENGINE                    | _                      | _       | -            |              |
| ENGINE                     | PAST         | P1212-00 TCSICIRC         | PAST                   | FFD     | DTC          |              |
| BCM                        | PAST         |                           |                        |         | DTC          |              |
| EPS/DAST 3                 | PAST         | DO122-00 VDC MDL          | PAST                   | PPU     | Expla        |              |
|                            |              | DUM                       |                        | 1       | ( DTG )      |              |
| IPDM E/R                   | PAST         | C1700-54 Centrol unit     | PAST                   | -       | Expla        |              |
| LANE CAMERA                | PAST         | C1700-55 Control unit     | PAST                   | FFD     | DTC<br>Expla | Print        |
| Side radar (Rear           |              | EPS/DAST 3                |                        |         |              | for Customer |
| left)                      | PAST         | C161B-87 ABS system       | PAST                   | FFD     | DTC<br>Expla | Print        |
| Side radar (Rear<br>right) | PAST         | IPDMEIR                   |                        | _       |              | Save         |
| 1/4                        |              |                           | 1/                     | 3       |              | ERASE        |

Figure 36

42. Select **Execute**.

| Back Home Print            | t Screen Capture Mode Recorded Data  | ▲ 13.2V VI MI                |       |
|----------------------------|--|------------------------------|-------|
| Diagnosis (All<br>Systems) | Select Vehicle Confirm Vehicle Diagnosi<br>System  | is (All<br>ns)               |       |
|                            |  |                              |       |
| Result                     | The erasing process is not performed for "<br>DTC" systems. Erase results from the "SEL<br>RESULTS" screen of each system. | No support for All<br>F-DIAG |       |
| EV/HEV                     | If "SELF-DIAG RESULTS" are erased, the c<br>saved to CONSULT automatically.  | urrent data is               |       |
| METER/M&A                  |  | TC                           |       |
| ABS                        |  | kpla                         |       |
| всм                        |  | xpla                         |       |
| AIR BAG                    | Execute  | Cancel                       | Print |
| ICC/ADAS                   | NUDIC  |                              | Print |
| MULTI AV                   | NO DTC   |                              | Save  |
|                            |  |                              | Save  |
| 1/5                        |  |                              | ERASE |

Figure 37

## 43. Select Close.

| Back Home Print Screen     | Screen<br>Measurement<br>Mode Mode Mode Mode Mode Measurement   | -     |
|----------------------------|---|-------|
| Diagnosis (All<br>Systems) | ct Vehicle Diagnosis (All<br>Systems)   |       |
| All DTC Information        | - CAN DIAG  |       |
| Result                     | Erasing completed. Touch the "Close" button, and then check<br>sure that "SELF-DIAG RESULTS" are deleted. |       |
| EV/HEV                     | "SELF-DIAG RESULTS" before erasing are confirmed from recorded data.                                      |       |
| METER/M&A                  | TC  |       |
| ABS                        | kpia j  |       |
| всм                        | TTC kpla  |       |
| AIR BAG                    | Close   | Print |
| ICC/ADAS NO DIC            |   | Print |
| MULTI AV NO DTC            |   | Save  |
| 1/5                        |   | ERASE |

Figure 38

- 44. Close the C-III plus application.
- 45. Remove the VI from the vehicle.

### **CLAIMS INFORMATION**

| CAMPAIGN ("CM") ID | DESCRIPTION  | OP CODE | FRT     |
|--------------------|--|---------|---------|
| <b>D</b> 0404      | Check Part Number,<br>Reprogram Not Needed               | P0A340  | 0.3 hrs |
| FUA34              | Reprogram and Configure the Body<br>Control Module (BCM) | P0A341  | 0.8 hrs |

# Submit a "CM" line claim using the following claims coding:

### AMENDMENT HISTORY

| PUBLISHED DATE    | REFERENCE | DESCRIPTION                 |
|-------------------|-----------|-----------------------------|
| December 21, 2020 | NTB20-096 | Original bulletin published |