



SERVICE BULLETIN

Classification:

EC11-032

Reference:

NTB12-001

Date:

January 3, 2012

2011 - 2012 SENTRA WITH MR20DE ENGINE; MIL ON WITH DTC P015B STORED

APPLIED VEHICLE: 2011 - 2012 Sentra (B16)**APPLIED ENGINE:** MR20DE (4-cyl) with California Emissions ONLY

IF YOU CONFIRM:

The MIL is ON with DTC P015B (A/F Sensor) stored in the ECM.

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.

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram ECM	(1)	DE97AA	HD	32	(2)

- (1) Reference the Repair Order and use the **current** ECM P/N written down in step 6 of the Service Procedure as the PFP.
- (2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

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

NOTE:

- Most instructions for reprogramming with CONSULT-III plus (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) ECM 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 Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.

CAUTION:

- Connect a battery charger to the vehicle battery.
If the vehicle battery voltage drops below 12.0V or 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 the VI. If Bluetooth® signal waves are within range of the CONSULT PC 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. Open ASIST on the CONSULT PC and start C-III plus.
3. Wait for the plus VI to be recognized / connected.
 - Serial number will display when the plus VI is recognized / connected.
4. Select **Re/programming, Configuration**.

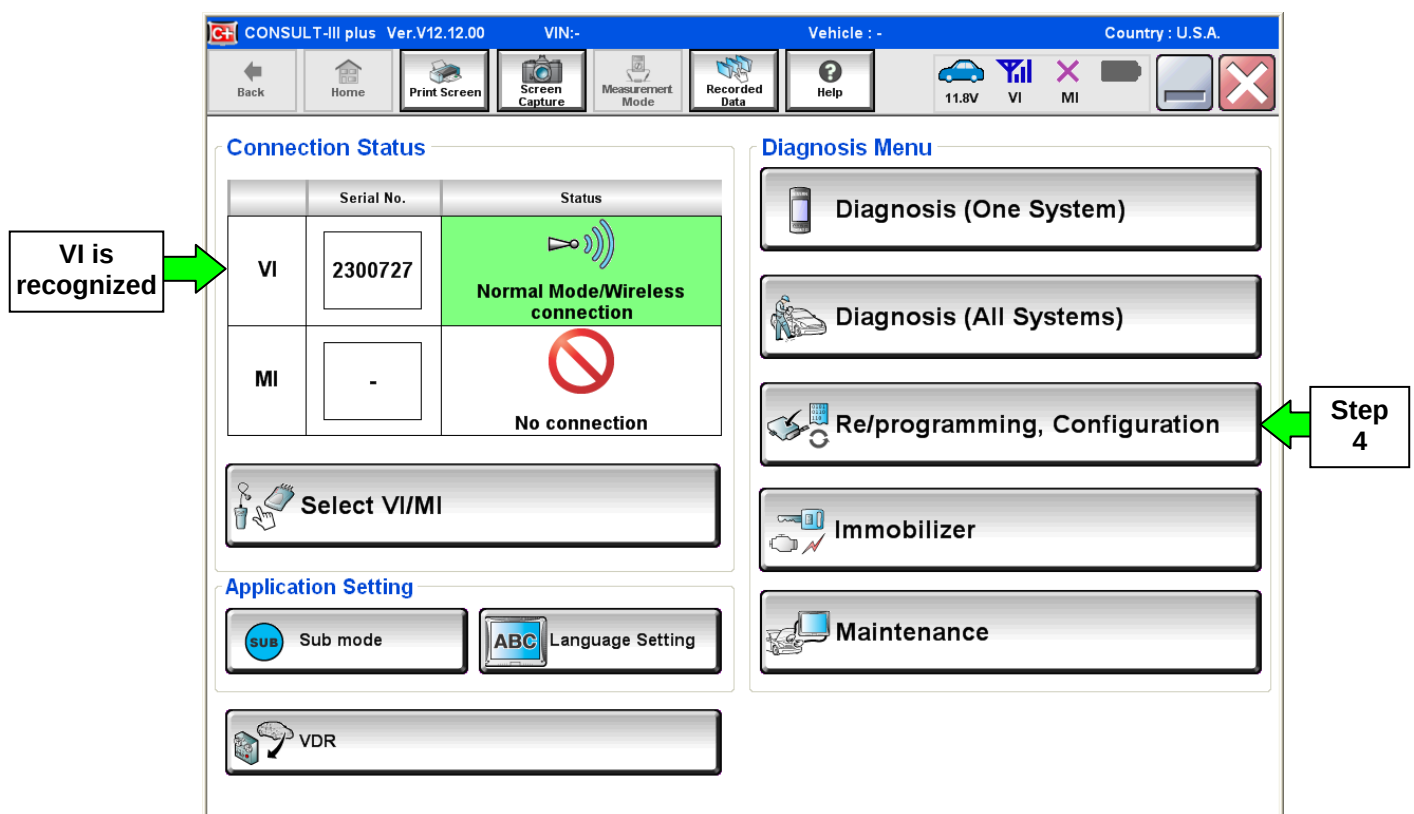


Figure 1

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).

CONSULT-III plus Ver.V12.12.00 VIN:JN1EY1AP1CM910014 Vehicle : INFINITI M35h HY51 2012 Country : U.S.A.

Back Home Print Screen Screen Capture Measurement Mode Recorded Data Help 11.8V VI MI

Re/programming, Configuration Operation Selection **Save ECU Data**

7/7

Save ECU Data

Touch "Save" to save operation log and the current part number as listed below to CONSULT. Operation log helps to restart next operation by selecting suitable operation log. Operation log is erased after operation has completely finished.

File Label	XXXXXXXXXXXX
Operation	REPROGRAMMING
System	ENGINE
Part Number	23710-XXXX
Vehicle	XXXXXXXXXX
VIN	XXXXXXXXXX
Date	11/1/2011 1:22:16 AM

Save

Figure 2

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

- If there is a match, this bulletin applies. Continue with the reprogramming procedure.
- If there is not a match, this bulletin does not apply. Close C-III plus and refer to ASIST for further diagnostic information.

Table A

Model	Configuration	Current ECM Part Number: 23710-
2011 Sentra with MR20DE engine	MT_VDC_CAL	9AB0A, 9AB0B
	CVT_VDC_CAL	9AB1A, 9AB1B
	CVT_VDC_ASCD_CAL	9AB2A, 9AB2B
	CVT_VDC_ASCD_S-PKG_CAL	9AB3A, 9AB3B
2012 Sentra with MR20DE engine	MT_VDC_CAL	9AH0A
	CVT_VDC_CAL	9AH1A
	CVT_VDC_ASCD_CAL	9AH2A
	CVT_VDC_ASCD_S-PKG_CAL	9AH3A

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.
 - In this case, 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. Close C-III plus and refer back to ASIST for further diagnosis.

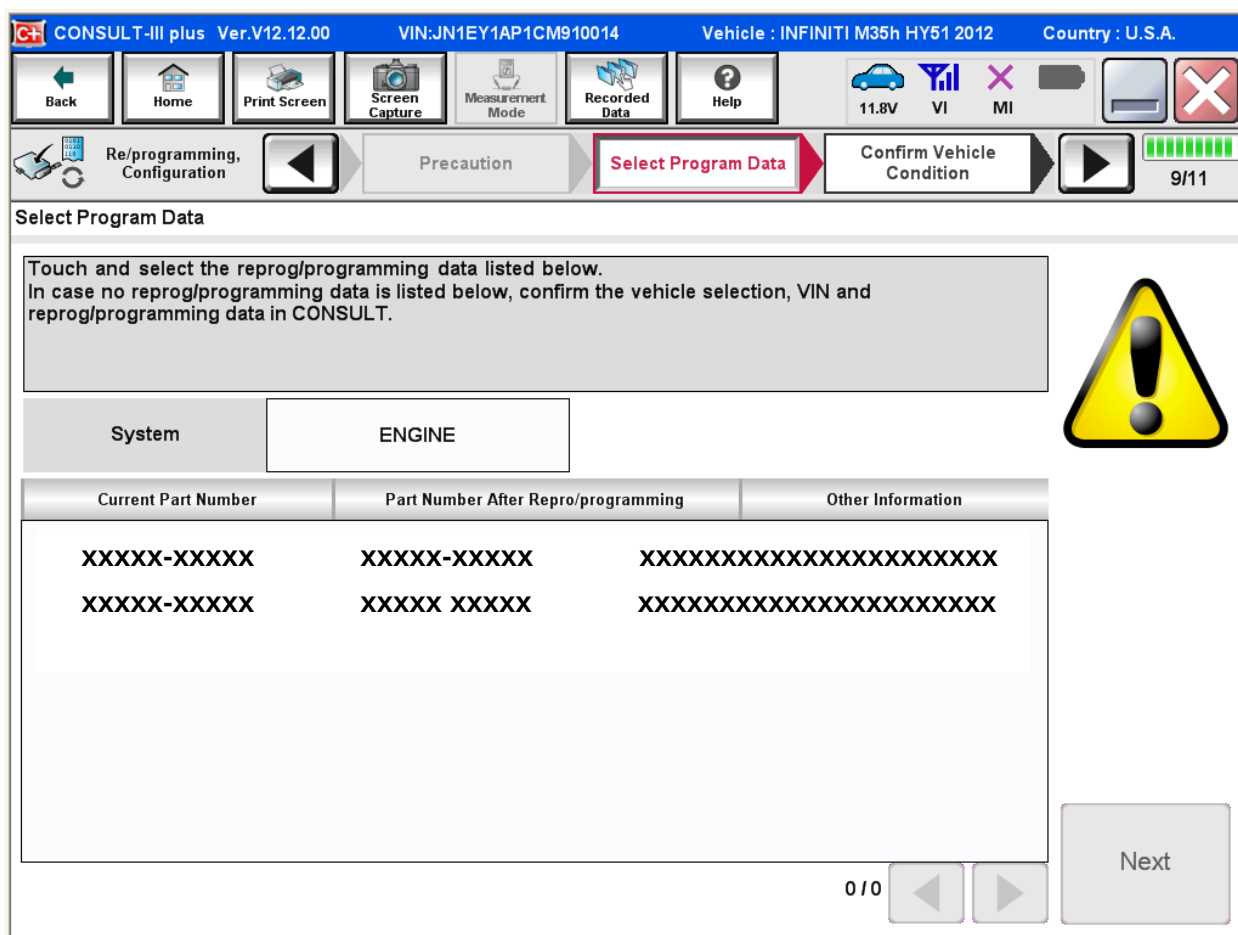


Figure 3

8. When the screen in Figure 4 displays, reprogramming is complete.
9. Disconnect the battery charger from the vehicle.
10. Select **Next**.

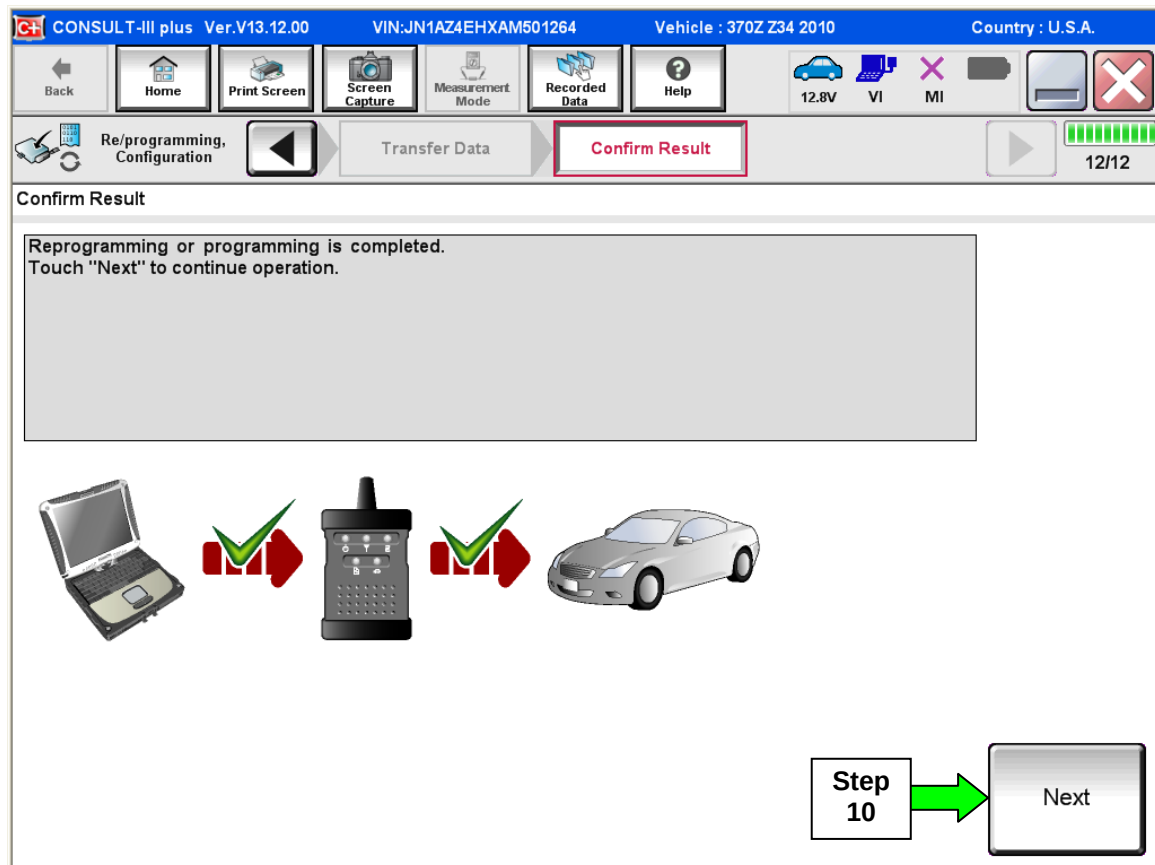


Figure 4

NOTE:

- In the next steps, 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.

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 Electronic Service Manual (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 5 will display.
13. Verify the before and after part numbers are different.
14. Print a copy of this screen (Figure 5) and attach it to the repair order for warranty documentation.
15. Select **Confirm**.

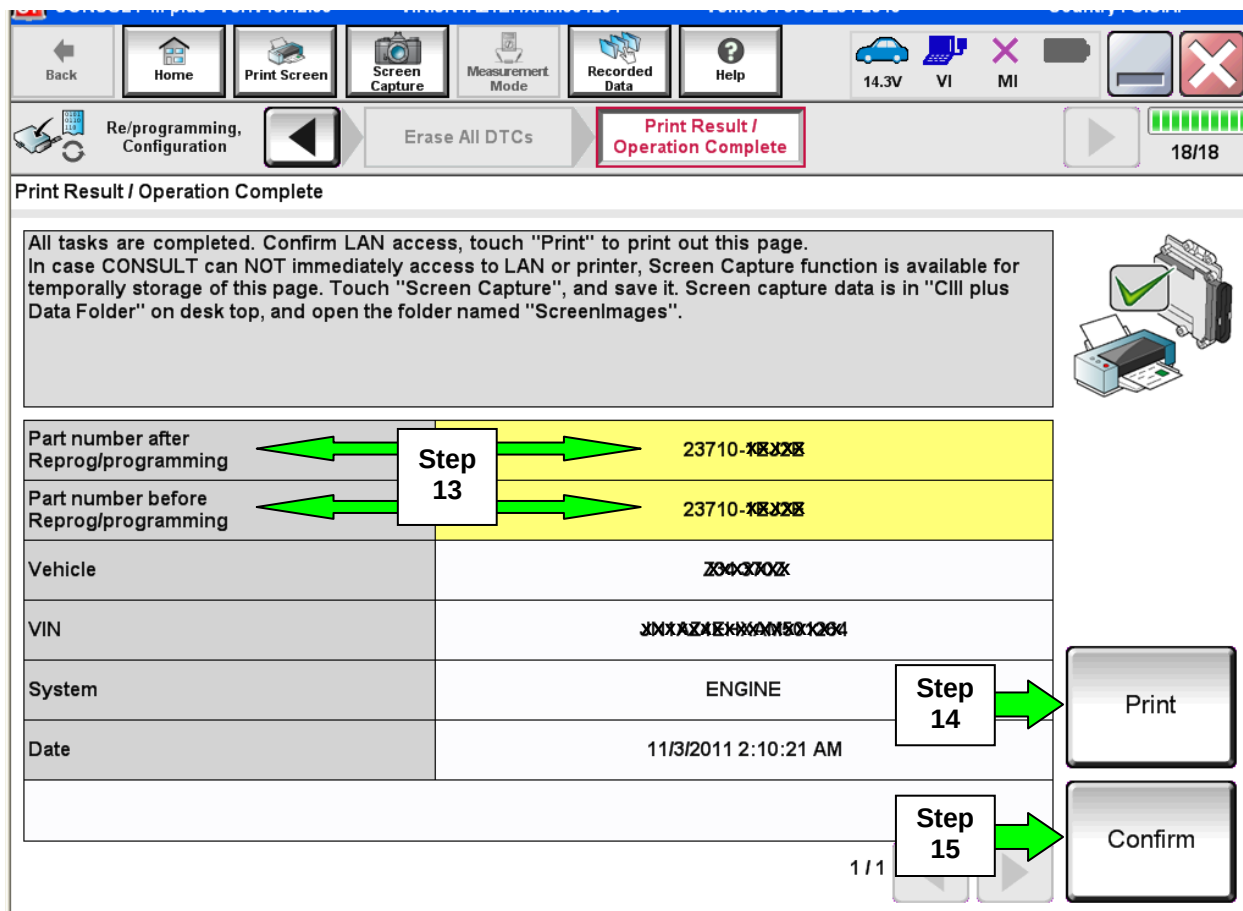


Figure 5

16. Close C-III plus.
17. Turn the ignition OFF.
18. Disconnect the plus VI from the vehicle.
19. Test drive the vehicle and make sure it operates correctly and the MIL is OFF.
 - If the MIL comes ON, go back to ASIST for further diagnostic information.
 - Diagnosis and repairs beyond ECM reprogramming are not covered by this bulletin.