



# SERVICE BULLETIN

|                              |                          |                         |
|------------------------------|--------------------------|-------------------------|
| Classification:<br>EC08-017a | Reference:<br>NTB08-074a | Date:<br>April 27, 2009 |
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## 2007 SENTRA & VERSA; DTC P0031, P2A00, P1148

This bulletin has been amended. The Claims Information and Service Procedure have been updated. No other changes have been made. Please discard all previous versions of this bulletin.

**APPLIED VEHICLE:** 2007 Versa (C11) and Sentra (B16) with MR engine **ONLY**

### IF YOU CONFIRM:

Any of the following DTC are stored:

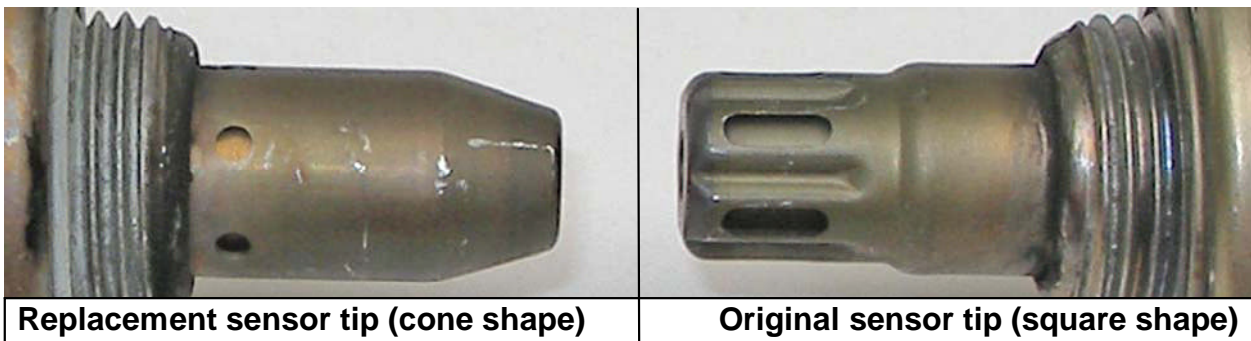
- P0031 (A/F Sensor 1 Heater)
- P2A00 (A/F Sensor 1)
- P1148 (Closed Loop Control)

### ACTIONS:

1. Refer to Step 2 in the Service Procedure to confirm this bulletin applies to the vehicle you are working on.
2. If this bulletin applies, reprogram the ECM and replace the A/F sensor.

### NOTE:

- Use the new A/F sensor listed in the Parts Information.
- The original and replacement sensors look different, see below.



**IMPORTANT:** The purpose of "ACTIONS" (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 Infiniti dealer to determine if this applies to your vehicle.

## PARTS INFORMATION

| DESCRIPTION                  | PART #      | QUANTITY |
|------------------------------|-------------|----------|
| Sensor Assy – Air Fuel Ratio | 22693-1AA0B | 1        |

## CLAIMS INFORMATION

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

| DESCRIPTION              | PFP | OP CODE | SYM | DIA | FRT |
|--------------------------|-----|---------|-----|-----|-----|
| RPL One A/F Ratio Sensor | (1) | DE53AA  | ZE  | 32  | (2) |

- (1) Reference the Parts Information Table and use the applicable Sensor Assy – Air Fuel Ratio P/N as the PFP.  
(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

And, on the same line:

| DESCRIPTION           | OP CODE | FRT     |
|-----------------------|---------|---------|
| Reprogram ECM per TSB | DE97AA  | (3) (4) |

- (3) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.  
(4) 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.

## SERVICE PROCEDURE

1. Connect C-III to the vehicle to begin the reprogramming procedure.
  - If you are not familiar with the reprogramming procedure, click here. This will link you to the "CONSULT- III (C-III) ECM Reprogramming" general procedure.

### CAUTION:

- Connect a battery charger to the vehicle battery.  
If the 12V battery voltage drops 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.
- For ECM reprogramming, the C-III MUST be connected to the VI using the USB cable.
- Be sure to connect the AC Adapter.  
If the C-III battery voltage drops during reprogramming, the process will be interrupted and the ECM will be damaged.

2. When you get to the ECM Reprogramming screen shown in Figure 1, confirm this bulletin applies as follows:

A. On your C-III screen, look at the **Part Number** column (see Figure 1):

- If this column is **blank** (no part number listed), this **bulletin does not apply**. Close C-III and refer to ASIST for further diagnostic information.
- If a Part Number is listed, write it on the Repair Order.

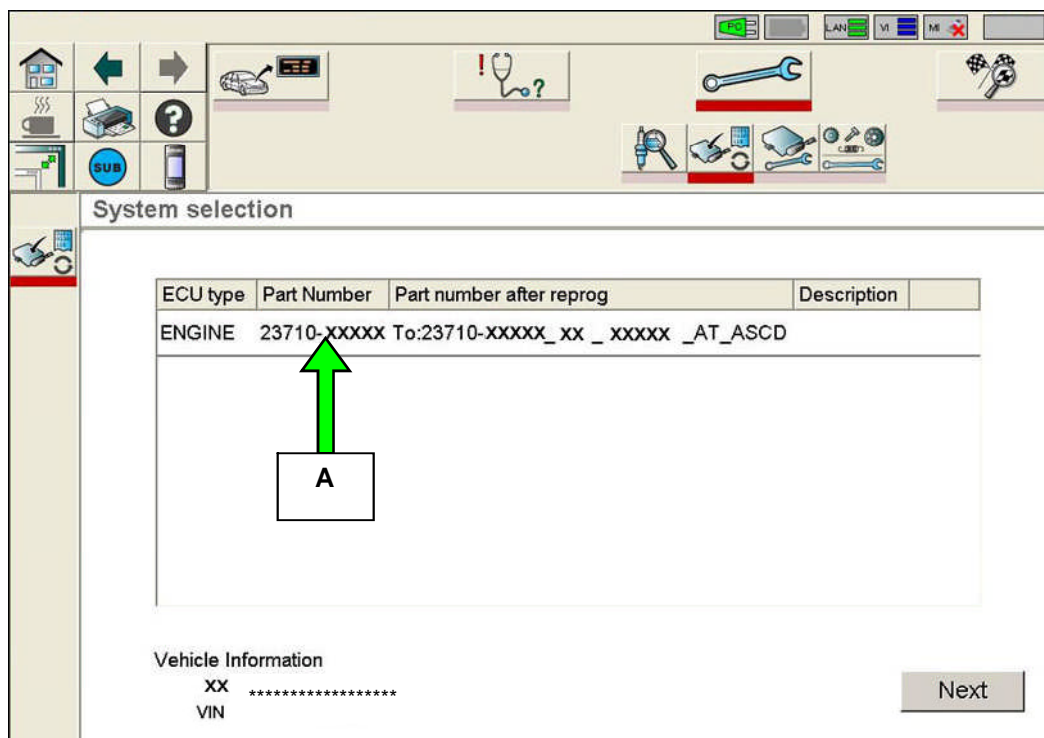


Figure 6

B. Go to C on the next page.

C. Compare the Part Number you wrote down to the numbers in the **Current ECM Part Number** column in Table A.

- If there is a match, this bulletin applies. Continue with the reprogramming procedure.

**IMPORTANT:** If there are two lines (two reprogramming options) on your C-III screen, **use the one with the message “Caution! Use ONLY with NTB08-074”.**

- If there is not a match, this bulletin does not apply. Close C-III and refer to ASIST for further diagnostic information.

**Table A**

| MODEL  | Vehicle Configuration | Current ECM P/Ns          | New ECM P/N's                                    |
|--------|-----------------------|---------------------------|--|
| Versa  | M/T ASCD ABS          | 23710-EL51A, EL51B, EL51C | To: 23710-EL51D_Caution! Use ONLY with NTB08-074 |
|        | M/T ASCD              | 23710-EL52A, EL52B, EL52C | To: 23710-EL52D_Caution! Use ONLY with NTB08-074 |
|        | M/T ABS               | 23710-EL53A, EL53B, EL53C | To: 23710-EL53D_Caution! Use ONLY with NTB08-074 |
|        | M/T                   | 23710-EL54A, EL54B, EL54C | To: 23710-EL54D_Caution! Use ONLY with NTB08-074 |
|        | A/T ASCD ABS          | 23710-EL61A, EL61B        | To: 23710-EL61C_Caution! Use ONLY with NTB08-074 |
|        | A/T ASCD              | 23710-EL62A, EL62B        | To: 23710-EL62C_Caution! Use ONLY with NTB08-074 |
|        | A/T ABS               | 23710-EL63A, EL63B        | To: 23710-EL63C_Caution! Use ONLY with NTB08-074 |
|        | A/T                   | 23710-EL64A, EL64B        | To: 23710-EL64C_Caution! Use ONLY with NTB08-074 |
|        | CVT ASCD ABS          | 23710-EL71A, EL71B        | To: 23710-EL71C_Caution! Use ONLY with NTB08-074 |
|        | CVT ASCD              | 23710-EL72A, EL72B        | To: 23710-EL72C_Caution! Use ONLY with NTB08-074 |
| Sentra | 6M/T ABS              | 23710-ET000, ET00A, ET00B | To: 23710-ET00C_Caution! Use ONLY with NTB08-074 |
|        | CVT                   | 23710-ET001, ET01A, ET01B | To: 23710-ET01C_Caution! Use ONLY with NTB08-074 |
|        | 6M/T ABS ASCD         | 23710-ET002, ET02A, ET02B | To: 23710-ET02C_Caution! Use ONLY with NTB08-074 |
|        | 6M/T ASCD             | 23710-ET003, ET03A, ET03B | To: 23710-ET03C_Caution! Use ONLY with NTB08-074 |
|        | 6M/T                  | 23710-ET004, ET04A, ET04B | To: 23710-ET04C_Caution! Use ONLY with NTB08-074 |
|        | CVT ABS ASCD          | 23710-ET005, ET05A, ET05B | To: 23710-ET05C_Caution! Use ONLY with NTB08-074 |
|        | CVT ABS               | 23710-ET006, ET06A, ET06B | To: 23710-ET06C_Caution! Use ONLY with NTB08-074 |
|        | CVT ASCD              | 23710-ET007, ET07A, ET07B | To: 23710-ET07C_Caution! Use ONLY with NTB08-074 |

3. If this bulletin applies and you have performed ECM reprogramming, the screen in Figure 2 appears when reprogramming is complete.

**Print this screen and attach it to the Repair Order for Warranty documentation.**



Figure 2

4. Make sure to erase DTCs from all Systems.

**NOTE:** During the reprogramming, DTCs will set in several systems and must be erased.

5. Replace the A/F sensor.

- Use the new A/F sensor listed in the Parts Information.
- Refer to Exhaust Manifold and Three Way Catalyst in Section EM of the Service Manual for A/F sensor replacement information.

6. Test drive the vehicle and make sure it operates correctly and the Check Engine light is OFF.

- If the Check Engine light comes ON, go back to ASIST for further diagnostic information. Refer to the applicable Electronic Service Manual as needed.
- Diagnosis and repairs beyond the ECM reprogramming and A/F replacement are not covered by this bulletin.