



# SERVICE BULLETIN

Classification: EC01-011a	Reference: NTB01-036a	Date: September 17, 2001
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## MIL "ON" WITH DTC P0100 (MASS AIRFLOW SENSOR – MAFS) STORED

**IMPORTANT: THIS BULLETIN HAS BEEN AMENDED**

This amended version of NTB01-036 revises the Service Procedure, Parts Information, and Claims Information sections. Refer to this bulletin (NTB01-036a) for complete information.

**APPLIED VEHICLE:** All 2000-01 Maxima (A33)

### SERVICE INFORMATION

If an applied vehicle has DTC P0100 stored and possibly exhibits,

- Engine rough running
- Engine surging
- Low engine power

the cause may be an airflow sensor that has been damaged by air-ingested dust/dirt.

To resolve this incident, if it should occur, follow the steps outlined in the Service Procedure on page 2.

### Service Procedure Summary:

- Remove dust/dirt/debris from inside the air cleaner housing. This will help prevent another incident.
- A new genuine Nissan air filter element must be used for all warranty claims, and any other claim for which Nissan pays. A new genuine Nissan air filter element is designed to be compatible with the Nissan air flow meter and has proven to provide adequate dust protection to help prevent these incidents. It is strongly recommended that incident customers continue using Nissan genuine air filters for assured protection when replacing according to the routine maintenance schedule. See parts information for the air filter part number (P/N).
- Install a new **complete** airflow meter assembly. See Parts Information for the part number (P/N).
- Reprogram the ECM with **special** new data that is matched to the different output characteristics of the new airflow meter.

**IMPORTANT: The purpose of the Service Procedure Summary (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire Service Procedure (starting on page 2) as it contains information that is essential to successfully completing this repair.**

## SERVICE PROCEDURE

1. Remove the air filter element. Then, vacuum out all dust/dirt/debris found inside both halves of the air filter housing.

**CAUTION:** Make sure all dust/dirt/debris is removed from the air filter housing in order to prevent a repeat incident. Remember, only use a vacuum to remove dust/dirt/debris – do not blow compressed shop air inside the air filter housing.

2. Install a new genuine Nissan replacement air filter element into the filter housing cover, then install this assembly in the air filter housing.
3. Install the new complete airflow meter assembly (see Figure 1). Refer to the Parts Information table for the new airflow meter assembly part number.

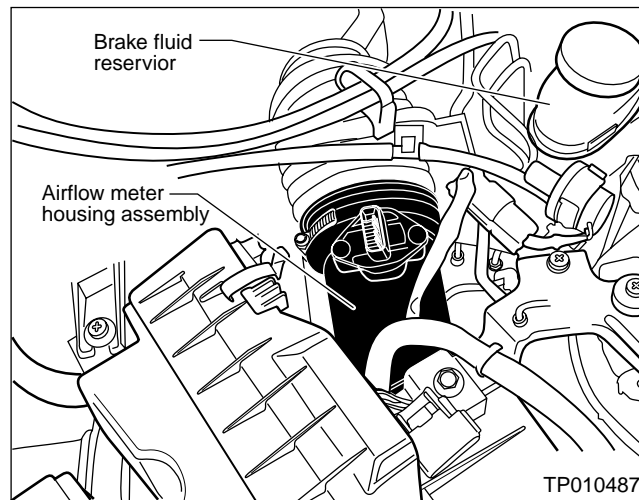


Figure 1

### IMPORTANT:

- The new airflow meter assembly **MUST** be installed as a complete unit
- Do not attempt to transfer the new airflow sensing element to the old airflow meter housing. The new element is not compatible to operate in the old housing and will cause performance and emissions to be impaired.

4. Determine the vehicle's Emissions Certification (California or Federal):
  - A. All 2001 Maxima vehicles have California emissions certification
  - B. For **2000 Maxima vehicles**, you need to determine if the vehicle is certified for California or Federal emissions.
- Check the Emissions Certification Label on the underside of the engine hood to verify if the certificate is for California emissions (see Figure 2).
- If there is no mention of California on the label, the vehicle is certified for Federal emissions.

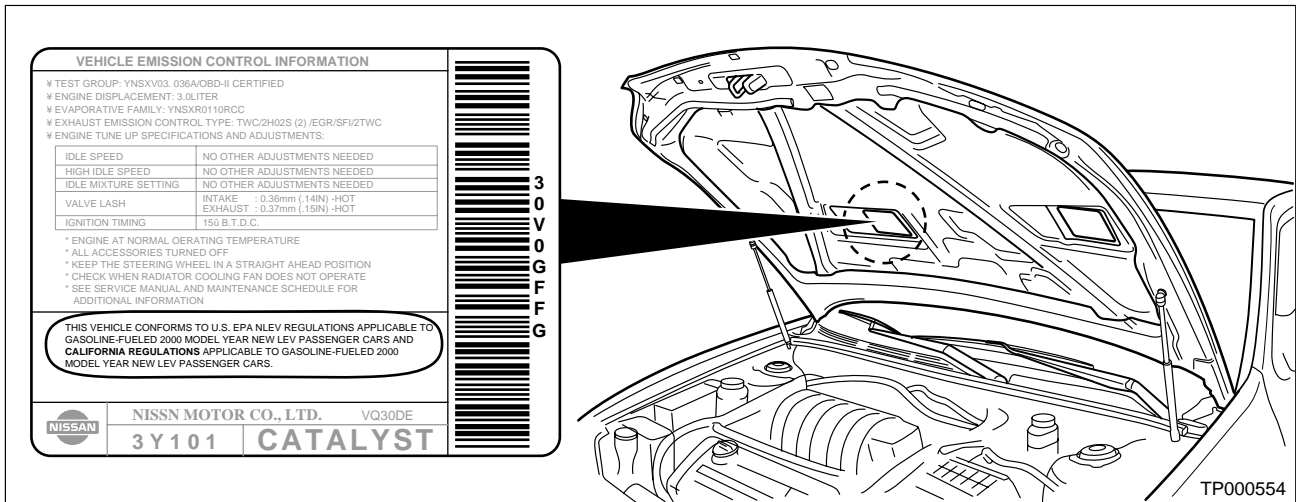


Figure 2

5. Determine the vehicle's ECM Part Number. The ECM P/N is found on top of the CONSULT-II self-diagnosis printout (see Figure 3), or by CONSULT ECM P/N Selection.

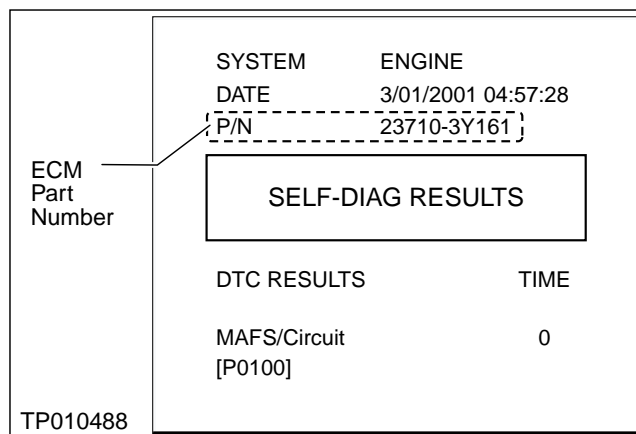


Figure 3

6. Compare the vehicle's ECM P/N to those shown under **Current ECM P/N** in Chart A (page 6):
  - A. If the ECM P/N in the vehicle **does not** match one of those listed in Chart A (page 6), **Current ECM P/N** column, do not perform ECM reprogramming.
  - B. If the ECM P/N in the vehicle **does** match one of those listed in Chart A (page 6), Current ECM P/N column:
    - Make a note of the new ECM data P/N and ECM ID Code
    - **Reprogram the ECM.** Click here for the **ECM Reprogramming Procedure** or refer to **Attachment 1** in the printed copy of this bulletin.

**IMPORTANT NOTES:**

- This is a special ECM reprogram process and this procedure is used **FOR THIS INCIDENT ONLY!**
- An ECM ID CODE must be entered (see Figure 4) to get the Reprogramming data from ASIST. This is different from the typical ECM Reprogramming procedures now in use, which requires the model and model year to be entered to look up ECM data in ASIST.
- **Attachment 1 – “Special ECM Reprogramming Procedure for ECM I.D. Entry” is to be used for this bulletin and is different from Attachment A which was released in previous bulletins. Do NOT use Attachment A for this bulletin.**

The following provides steps to obtain the ECM reprogramming data from ASIST. For a detailed ECM reprogramming procedure, click here or refer to **Attachment 1** in the printed copy of this bulletin.

- A. Click on the **KeyPad** button (see Figure 4).

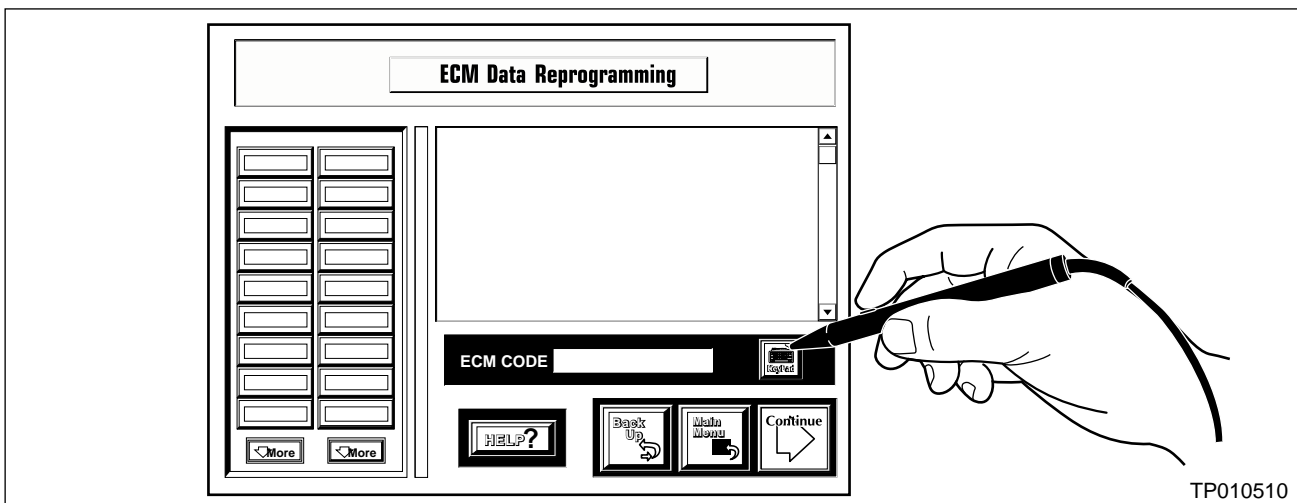


Figure 4

- B. Using the digit keys on the **Keypad** (see Figure 5 below), enter the correct **ECM ID Code** from Chart A (page 6).

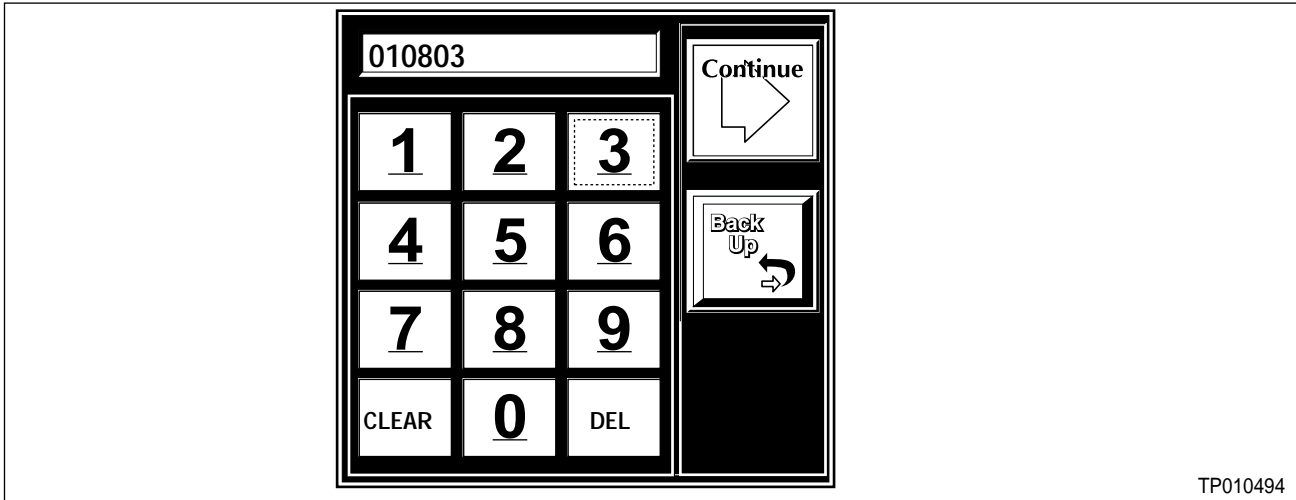
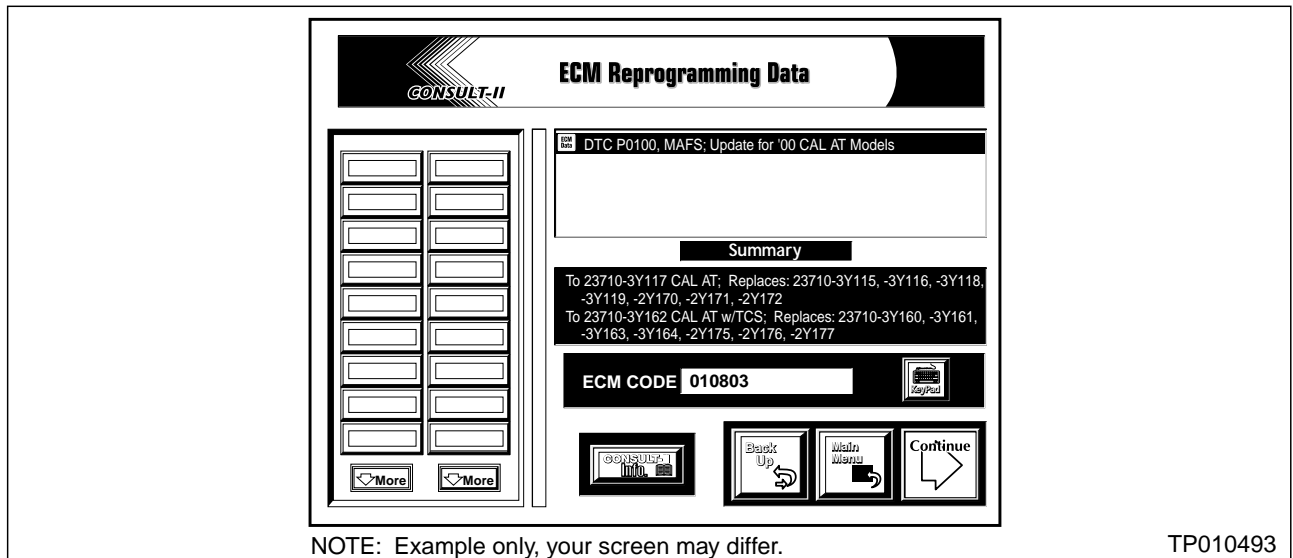


Figure 5

- C. Then click the "Continue" button on the keypad.
- D. Click the "Continue" button on the ECM Data Reprogramming screen (see Figure 6) to proceed to CONSULT-II setup.



NOTE: Example only, your screen may differ.

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Figure 6

**Chart A – Current ECM P/N's:**

<b>Vehicle</b>	<b>Current ECM P/N</b>	<b>New ECM Data P/N</b>	<b>ECM ID Code</b>
2000, M/T California Emissions	23710-3Y100, -3Y101, -3Y103, -3Y104, -2Y065, -2Y066, -2Y067	23710-3Y102	<b>010802</b>
2000, M/T w/V-tires * California Emissions	23710-3Y110, -3Y111, -3Y113, -3Y114. -2Y075, -2Y076, -2Y077	23710-3Y112	<b>010802</b>
2000, A/T California Emissions	23710-3Y115, -3Y116, -3Y118, -3Y119, -2Y170, -2Y171, -2Y172	23710-3Y117	<b>010803</b>
2000, A/T w/ TCS ** California Emissions	23710-3Y160, -3Y161, -3Y163, -3Y164, -2Y175, 2Y176, -2Y177	23710-3Y162	<b>010803</b>
2000, M/T Federal Emissions	23710-2Y900, -2Y901, -2Y903, -2Y904, -2Y905, -2Y906	23710-2Y902	<b>010804</b>
2000, M/T w/V-tires * Federal Emissions	23710-2Y910, -2Y911, -2Y913, -2Y914, -2Y971, -2Y972	23710-2Y912	<b>010804</b>
2000, A/T Federal Emissions	23710-2Y915, -2Y916, -2Y918, -2Y919, -2Y921, -2Y922	23710-2Y917	<b>010805</b>
2000, A/T w/TCS ** Federal Emissions	23710-2Y960, -2Y961, -2Y963, -2Y964, -2Y965, -2Y966	23710-2Y962	<b>010805</b>
2001, M/T	23710-4Y900, -4Y901, -4Y903, -4Y904	23710-4Y902	<b>010806</b>
2001, M/T w/V-tires *	23710-4Y910, -4Y911, -4Y913, -4Y914	23710-4Y912	<b>010806</b>
2001, A/T	23710-5Y000, -5Y001, -5Y003, -5Y004	23710-5Y002	<b>010807</b>
2001, A/T w/ TCS **	23710-5Y010, -5Y011, -5Y013, 5Y014	23710-5Y012	<b>010807</b>

**NOTES:** \* V-Tires = V-rated Tires  
 \*\* TCS = Traction Control System

## PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
Meter Assembly, Air	22680-2Y001	1
Air Filter Element	16546-0Z000	1

## CLAIMS INFORMATION

**NOTE: This is the ONLY approved repair procedure for this incident. A claim to Nissan for the repair of this incident may be denied if the repair is not performed exactly as outlined in this bulletin (see #2 below).**

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace Airflow Sensor	22680-2Y001	DE18AA	HD	22	(1)
Diagnosis – DTC P0100		EE01AA			(1)
Reprogram ECM		DE97AA			(1)

1. Please reference the current Nissan "Warranty Flat Rate Manual" and use the indicated flat rate time.
  2. Please note that if there is evidence of customer modification to the air flow sensor (such as to increase performance), or use of an inadequate air filter element the repair may be excluded under the terms of the vehicle Nissan New Vehicle Limited Warranty.
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