



TechNote

Applied Vehicles:

2002-2003 Nissan Altima 2.5L

2002-2003 Nissan Sentra 2.5L

The following Nissan Factory Bulletin details a possible failure of the Mass Air Sensor in these vehicles. This not only has the potential to cause the symptoms mentioned in the TSB, but will skew any fuel trim readings you retrieve.

Technicians have often reported mass air failure on these vehicles even without DTCs P0102 or P1102 stored.

When a bulletin like this is issued, it's prudent to pay particular attention to a sensor that may be failing, causing inaccurate information to be sent to the PCM. The computer cannot correctly control the fuel injection at this point, eventually causing catalytic converter damage.

Classification:

EC03-012

Reference:

NTB03-035

Date:

April 7, 2003

MIL "ON" WITH DTC P01021 P1102 STORED

APPLIED VEHICLE:

2002-2003 Altima (L31)

2002-2003 Sentra (B15)

IF YOU CONFIRM:

An applied vehicle has DTC P0102 / P1102 stored and possibly exhibits,

- ^ Engine rough running
- ^ Slight engine speed variation while driving
- ^ Low engine power

ACTIONS:

- ^ Remove dust/dirt/debris from inside the air cleaner housing. This may help prevent another incident.
- ^ Install a new airflow meter. See Parts Information for the part number (P/N).
- ^ Install a new air filter element. See Parts Information for the part number (P/N).

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.

DESCRIPTION	PART NUMBER	QUANTITY
Meter Assembly, Air (Altima/Sentra, QR25 & VQ35 engines)	22680-8J000	1
Meter Assembly, Air (Sentra QG18 engine except for 03MY Cal emissions)	22680-5M000	1
Meter Assembly, Air (03MY Sentra QG18 engine Cal emissions)	22680-8U301	1
Air Filter Element (Sentra, QG18 & QR25 engines)	16549-0Z000	1
Air Filter Element (Altima, QR25 & VQ35 engines)	16546-0Z000	1

PARTS 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. Also, see cautionary note #4 below.

DESCRIPTION	PPF	OP CODE	SYM	DIA	FRT
Replace Airflow Sensor	(2)	DE18AA	HD	22	(3)
Diagnosis – DTC P0102		EJ07AA			(3)

OR (1)

Diagnosis – DTC P1102		EJ61AA			(3)
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1. Use either EJ07AA or EJ61AA, but not both, even if both DTC codes are present.
2. Reference the Parts Information table on the previous page and use the appropriate "Meter Assembly, Air" P/N as the PFP
3. Please reference the current Nissan "Warranty Flat Rate Manual" and use the indicated flat rate time.
4. 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 aftermarket air filter element, the repair may be excluded under the terms of the Nissan New Vehicle Limited Warranty.

CLAIMS INFORMATION

SERVICE PROCEDURE

1. Remove the air filter element.
2. Remove the air flow meter assembly.
3. Using a clean shop towel or other method, seal the engine throttle body opening so no dirt or debris can enter the engine intake manifold.
4. Using low-pressure compressed air or a shop vacuum, clean out all dust/dirt/debris from 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.

5. Install the new airflow meter element. Refer to the Parts Information table for the new airflow meter assembly part number.
6. Install a new Genuine Nissan replacement air filter element into the filter housing cover. then install this assembly in the air filter housing.

IMPORTANT :

- ^ 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 Genuine Nissan air filters for assured protection when replacing according to the routine maintenance schedule.
- ^ See Parts Information for the appropriate air filter part number (P/N).