



# SERVICE CAMPAIGN BULLETIN

Reference:

NTB98-073a

Date:

February 15, 1999

## VOLUNTARY SERVICE CAMPAIGN 1996 MAXIMA MALFUNCTION INDICATOR LIGHT (MIL) ISSUES

This amended version of NTB98-073 clarifies information in the Applied Vehicle, Introduction, Service Procedure (specifically steps A and F under "Water Separator Kit Installation Procedure") and Claims Information sections. Please discard paper copies of NTB98-073.

**CAMPAIGN I.D.#:** P8132 & P8152

**APPLIED VEHICLE:** All 1996 Maximas (A32) EXCEPT CALIFORNIA EMISSIONS VEHICLES REGISTERED IN CALIFORNIA

**NOTE:** THIS CAMPAIGN DOES NOT APPLY TO CALIFORNIA EMISSIONS VEHICLES REGISTERED IN CALIFORNIA.

### INTRODUCTION

Some 1996 Nissan Maxima vehicles are experiencing incidents involving certain parts of the emission control system which are causing the malfunction indicator light (MIL) to illuminate. To ensure customer satisfaction, Nissan is conducting a Voluntary Service Campaign to replace certain emission control parts with improved parts at no charge to the customer. These parts include the oxygen sensors and the vent control valve. A water separator kit for the evaporative emission control system will also be installed if the vehicle does not have one. In addition, the vapor canister will be inspected and replaced if necessary in non-sunbelt states, and the vent control valve will be replaced in sunbelt states. Use Service Comm. to determine which repairs need to be performed on each vehicle.

### IDENTIFICATION NUMBER

Nissan has assigned identification numbers P8132 & P8152 to this campaign. These numbers must appear on all communications and documentation of any nature dealing with this Campaign.

### NUMBER OF VEHICLES POTENTIALLY AFFECTED

The total number of vehicles potentially affected is approximately 150,000.

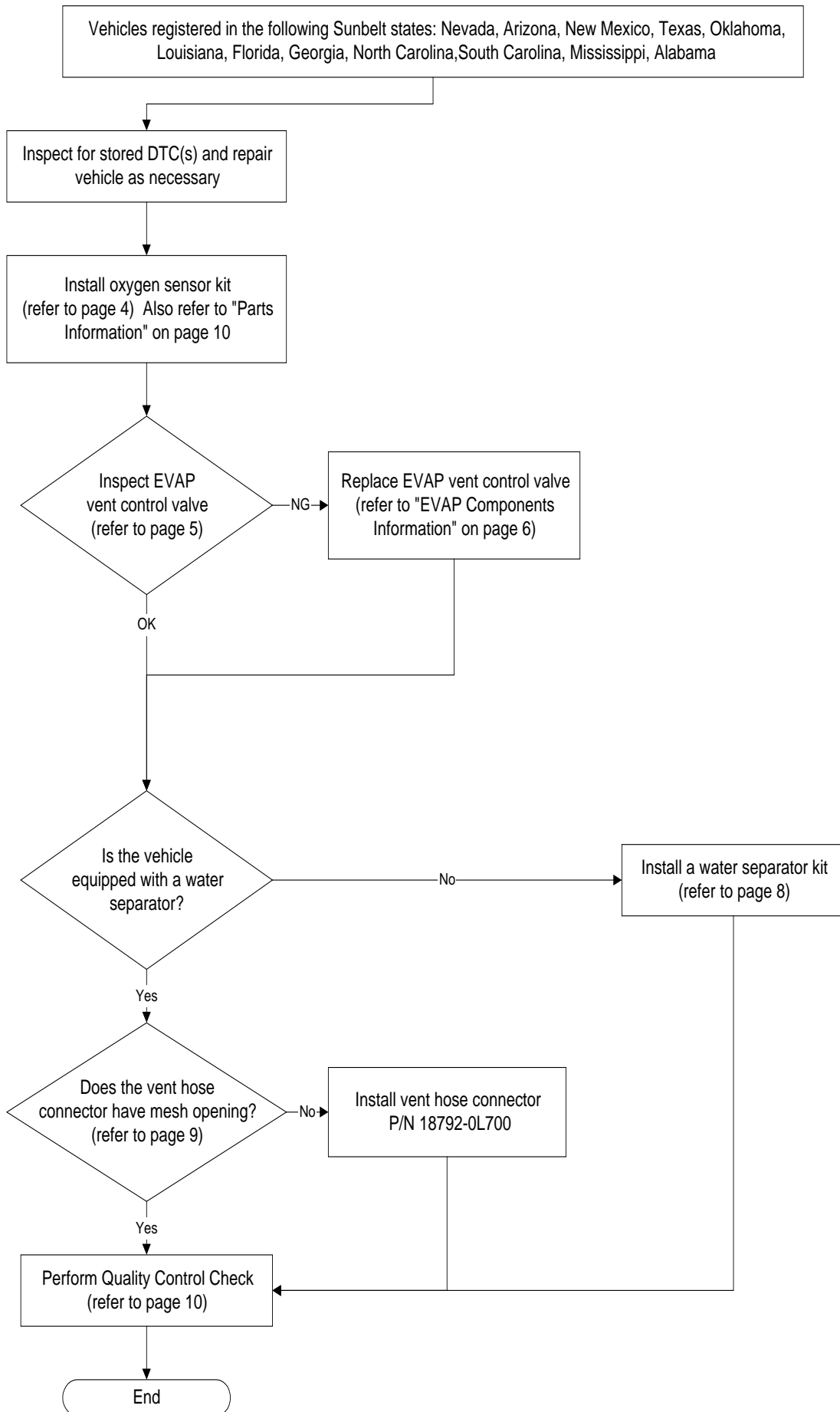
### DEALER RESPONSIBILITY

It is a dealer's responsibility to correct each vehicle falling within the range of this campaign which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in dealers inventory.

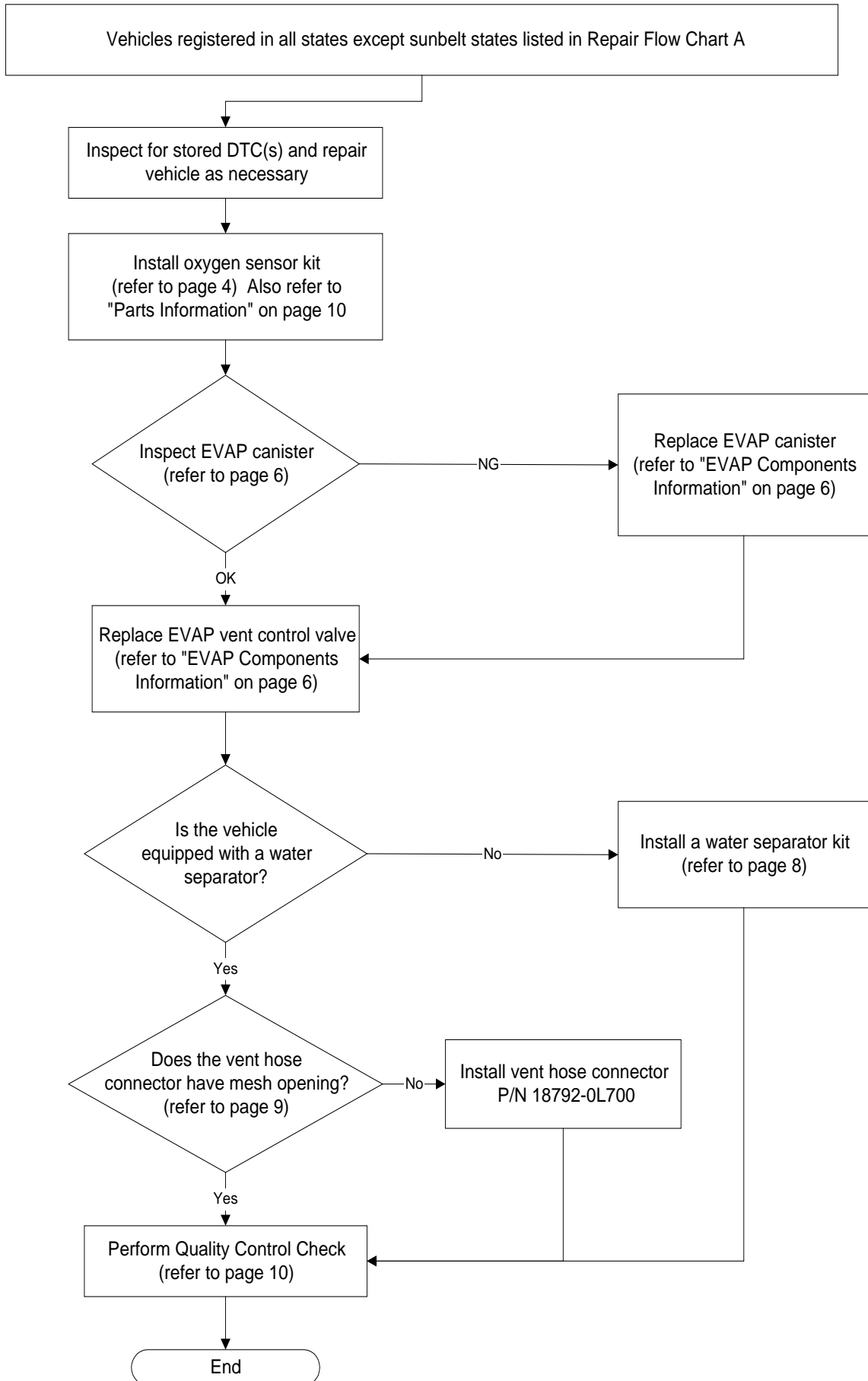
### SERVICE PROCEDURE

Refer to Repair Flow Charts A and B to determine the diagnosis and repair of the vehicle.

# Repair Flow Chart A (Sunbelt states)



## Repair Flow Chart B (Non Sunbelt states)



## Oxygen Sensor Kit Installation Procedure

1. Determine the production date of the vehicle.
  - A. If the vehicle was produced before 6/96, install oxygen sensor kit P/N 22690-40U25 using the following steps.
  - B. If the vehicle was produced 6/96 or later, install oxygen sensor kit P/N 226A0-49U25 using the following steps.

**NOTE:** There is a difference between the rear oxygen sensors depending on the production date of the vehicle. The difference is the size of the rubber grommet (see Figure 1).

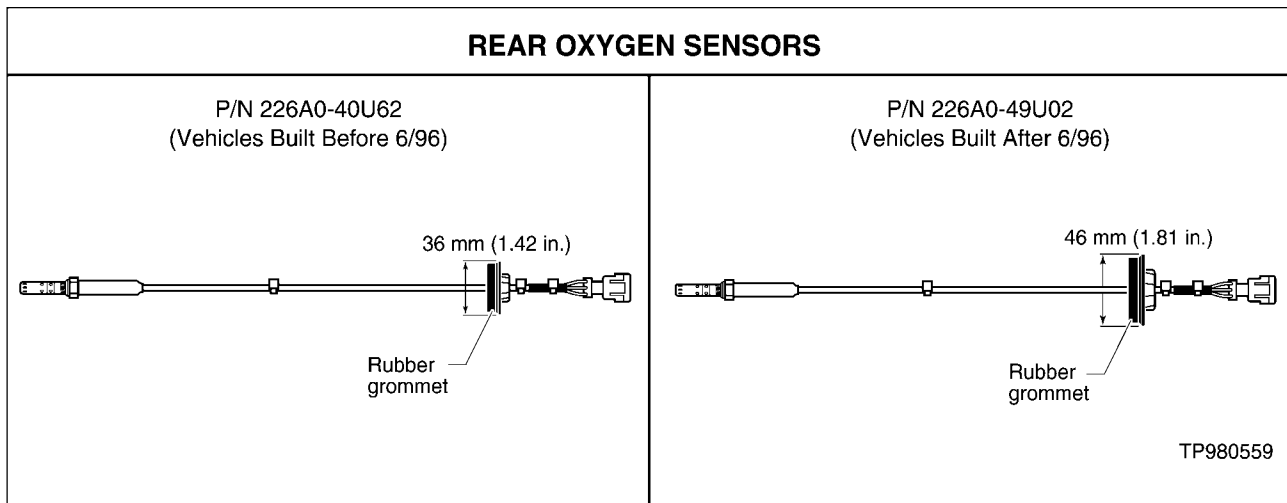


Figure 1

2. Install the new front and rear oxygen sensors (supplied in the kit) as follows:
  - A. Remove the two front (B1 & B2) and one rear oxygen sensors from the vehicle's exhaust system (see Figure 2).

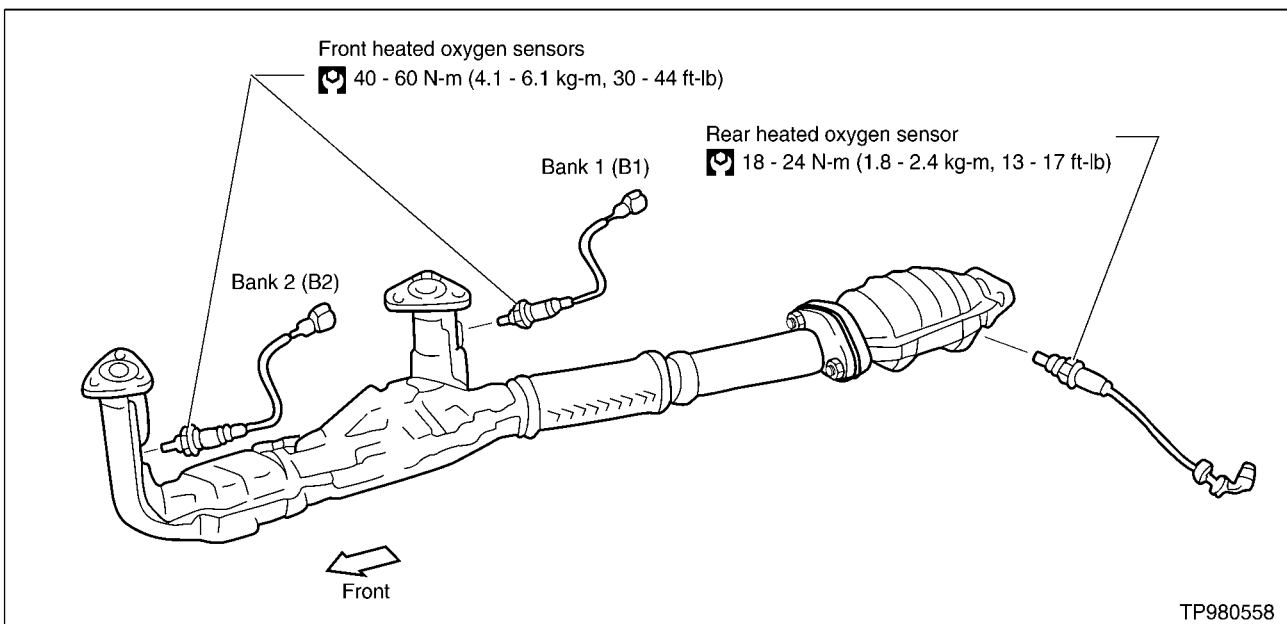


Figure 2

- B. Install new oxygen sensors to the exhaust system (see Figure 2).
- C. Tighten the two front oxygen sensors to 40 - 60 N•m (4.1 - 6.1 kg-m, 30 - 44 ft-lb) and tighten the rear oxygen sensor to 18 - 24 N•m (1.8 - 2.4 kg-m, 13 - 17 ft-lb).

### EVAP Vent Control Valve Inspection Procedure

- 1. Inspect the EVAP vent control valve as follows:
    - A. Apply battery voltage to the vent control valve and look into the hose end of the valve to make sure the air passage closes (see Figure 3).
- NOTE:** The valve must function (click) on the first application of battery voltage.

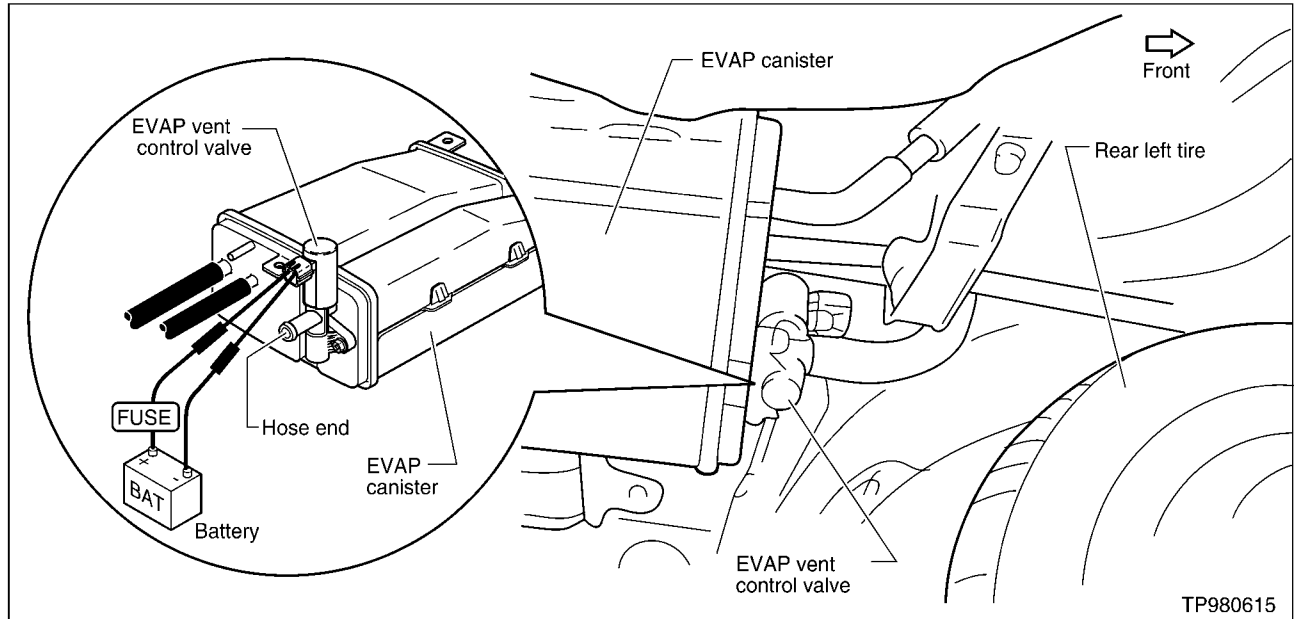


Figure 3

- B. While looking into the hose end of the EVAP vent control valve, disconnect the battery and make sure the air passage opens immediately (the valve should not stick closed).
- C. Look inside the valve hose end and make sure there is no corrosion or rust on the metal shaft. Also verify there is no sand, spiders or other debris in the air passage.
- D. Replace the EVAP vent control valve if it fails one or more of the above checks. Refer to “EVAP Components Information” to determine which EVAP vent control valve to install.

## EVAP Canister Inspection Procedure

1. Remove the EVAP canister with the EVAP vent control valve attached.
2. Inspect the EVAP canister as follows:
  - A. Verify that no water drains from the canister.
  - B. Confirm the canister with the vent control valve attached weighs less than 5 lbs. (2.3 kg.).
  - C. Replace the canister if it fails either of the above checks. Refer to “EVAP Components Information” to determine the correct canister to install.

**NOTE:** Do not install the EVAP canister at this time.

## EVAP Components Information

### EVAP Vent Control Valve (if determined “NG” from flow chart on pages 2 and 3)

1. If the old EVAP vent control valve matches the “TYPE A” style valve (see page 7) replace it with valve P/N 14935-54U06.

**NOTE:** If the metal threaded inserts in the body of the EVAP canister become loose when removing the EVAP vent control valve mounting bolts, replace both the EVAP vent control valve and EVAP canister with “TYPE B” style components (canister P/N 14950-56U18, vent control valve P/N 14935-54U04).

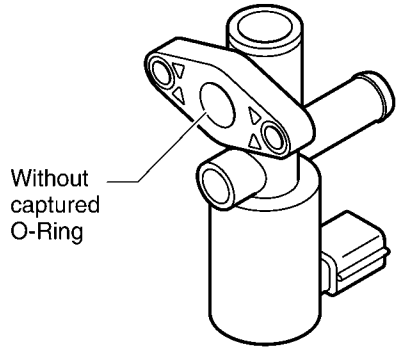
2. If the old EVAP vent control valve matches the “TYPE B” style valve (see page 7) replace it with valve P/N 14935-54U04.

**NOTE:** If the metal threaded inserts in the body of the EVAP canister become loose when removing the EVAP vent control valve mounting bolts, replace the EVAP canister with a “TYPE B” style component P/N 14950-56U18.

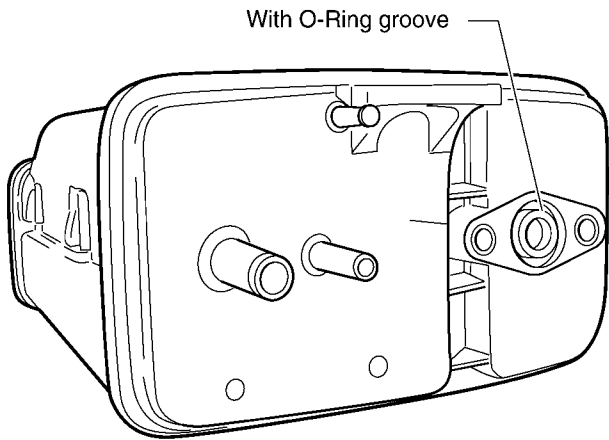
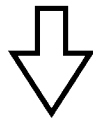
### EVAP Canister (if determined “NG” from flow chart on pages 2 and 3)

1. If the old canister matches the “TYPE A” style canister (see page 7), both the canister and vent control valve must be replaced as a set with “TYPE B” style components (canister P/N 14950-56U18, vent control valve P/N 14935-54U04).
2. If the old canister matches the “TYPE B” style canister (see page 7), replace it with canister P/N 14950-56U18.

**TYPE "A"**  
**EVAP Canister Vent Control Valve**  
**and EVAP Canister**

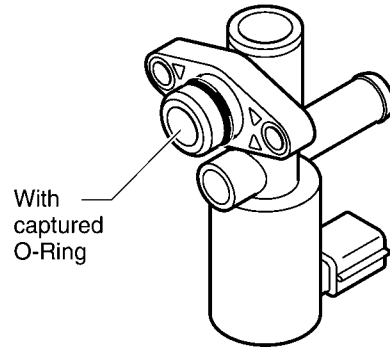


**EVAP Canister Vent Control Valve**  
(PN: 14935-54U06)

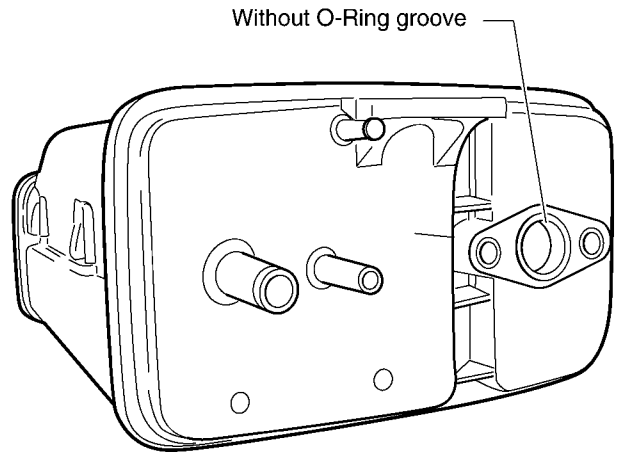
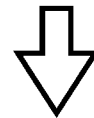


**EVAP Canister**  
(PN: 14950-56U17)

**TYPE "B"**  
**EVAP Canister Vent Control Valve**  
**and EVAP Canister**



**EVAP Canister Vent Control Valve**  
(PN: 14935-54U04)



**EVAP Canister**  
(PN: 14950-56U18)

TP980562

Figure 4

## Water Separator Kit Installation Procedure (not required on vehicles built after 3/12/96)

1. Install the water separator kit as follows:

- A. Remove and discard the EVAP canister bracket ONLY (see Figure 5). Save the EVAP canister and bracket bolts for re-installation.

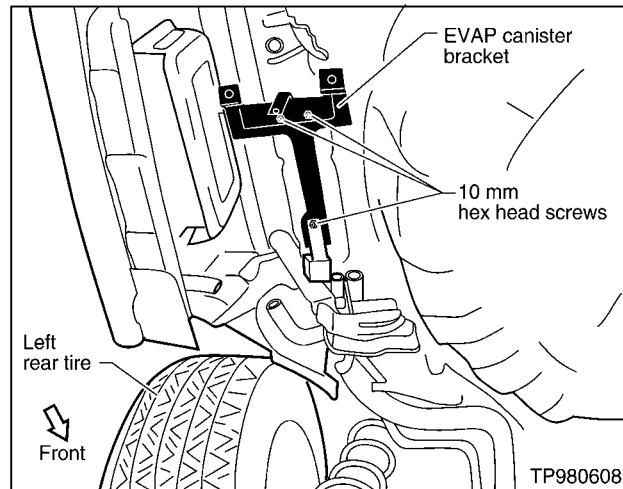


Figure 5

- B. Remove and discard the breather valve and hose (see Figure 6).

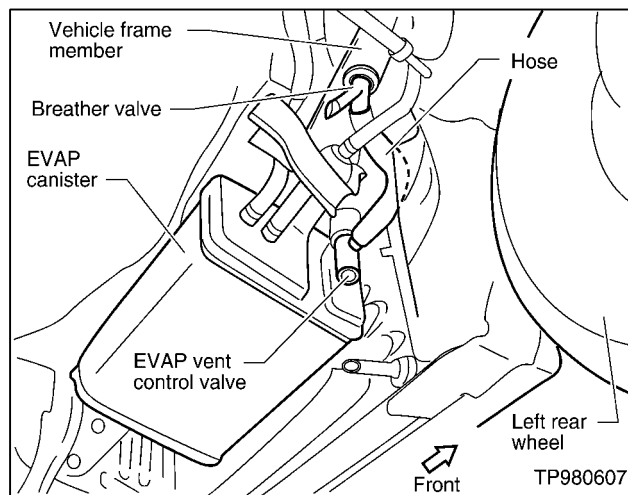


Figure 6

- C. Position the white alignment marks as shown to correctly assemble the new EVAP canister vent hoses, water separator and vent hose connector to the new EVAP canister bracket (see Figure 7).

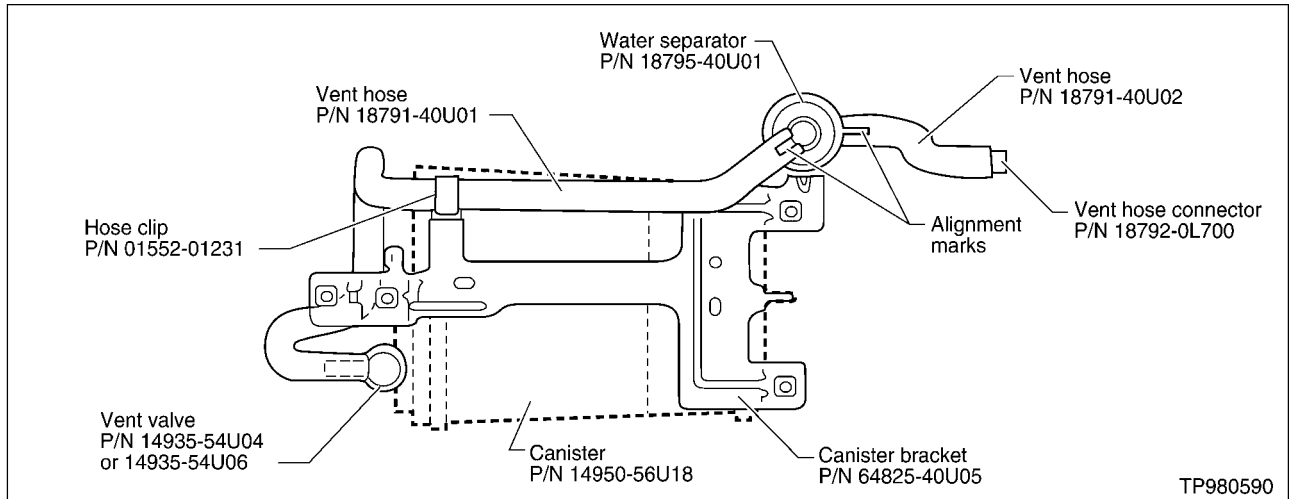


Figure 7

- D. Use the existing bolts and install the new canister bracket on the vehicle.
- E. Insert the vent hose connector into the existing hole in the vehicle rear panel (see Figure 8).

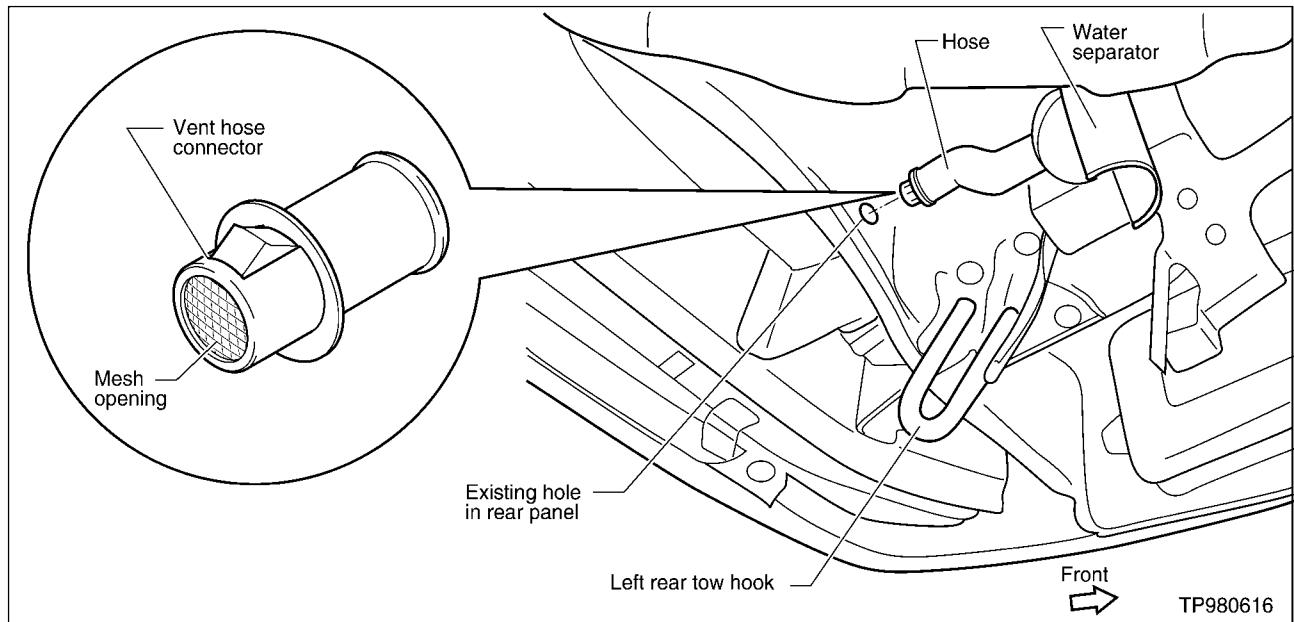


Figure 8

- F. Use the existing bolts to install the EVAP canister with vent control valve on to the new canister bracket (refer to "EVAP Canister Inspection Procedure" on page 6).
- G. Connect the EVAP hoses to the canister in the same position as they were removed.
- H. Re-connect the vehicle harness to the EVAP vent control valve.

## Quality Control Check

1. Make sure all removed components are correctly reinstalled.
2. Verify all hoses/connections are correctly installed and free of leaks.
3. Use CONSULT to check/erase any stored DTC(s).
4. Attach CONSULT Self Diagnosis printout to repair order.

## PARTS INFORMATION

DESCRIPTION	PART NUMBER	QTY
<b>Oxygen Sensor Kit (vehicles built before 6/96) includes:</b>	<b>22690-40U25</b>	1
Front Oxygen Sensor (Bank 1)	22690-40U05	1
Front Oxygen Sensor (Bank 2)	22690-40U15	1
Rear Oxygen Sensor	226A0-40U62	1
<b>Oxygen Sensor Kit (vehicles built 6/96 or later) includes:</b>	<b>226A0-49U25</b>	1
Front Oxygen Sensor (Bank 1)	22690-40U05	1
Front Oxygen Sensor (Bank 2)	22690-40U15	1
Rear Oxygen Sensor	226A0-49U02	1
EVAP Canister	14950-56U18	1
EVAP Vent Control Valve (TYPE A)	14935-54U06	1
EVAP Vent Control Valve O-Ring (TYPE A)	16618-40U00	1
EVAP Vent Control Valve (TYPE B)	14935-54U04	1
<b>Water Separator Kit Includes:</b>	<b>18795-40U25</b>	1
EVAP Canister Bracket	64825-40U05	1
Water Separator	18795-40U01	1
Vent Hose	18791-40U01	1
Vent Hose	18791-40U02	1
Vent Hose Connector	18792-0L700	1
Hose Clip	01552-01231	1
Vent Hose Connector (as needed)	18792-0L700	1

## CLAIMS INFORMATION

1996 Maxima (A32) - vehicles registered in the following Sunbelt States: California (Fed. emissions only), Nevada, Arizona, New Mexico, Texas, Oklahoma, Louisiana, Florida, Georgia, North Carolina, South Carolina, Mississippi, Alabama \*

Submit a Campaign Line (CM) claim using the following claims coding:

DESCRIPTION	OP CODE	PNC	CS	CT	FRT
RPL Front & Rear Oxygen Sensors	P81520	P8152	ZZ	99	0.9 hrs.
Inspect Vent Control Valve	P81521	P8152	ZZ	99	0.1 hrs.
Replace Vent Control Valve	P81522	P8152	ZZ	99	0.2 hrs.
Install Water Separator**	P81523	P8152	ZZ	99	0.2 hrs.
Quality Control Check	P81524	P8152	ZZ	99	0.2 hrs.

\*\* For vehicles built before 3/12/96 ONLY.

1996 Maxima (A32) - vehicles registered in all other states ( i.e., except Sunbelt States listed above) \*

Submit a Campaign Line (CM) claim using the following claims coding:

DESCRIPTION	OP CODE	PNC	CS	CT	FRT
RPL Front & Rear Oxygen Sensors	P81320	P8132	ZZ	99	0.9 hrs.
Check / Replace EVAP Canister	P81321	P8132	ZZ	99	0.5 hrs.
Install Water Separator**	P81322	P8132	ZZ	99	0.2 hrs.
Replace Vent Control Valve	P81323	P8132	ZZ	99	0.2 hrs.
Quality Control Check	P81324	P8132	ZZ	99	0.2 hrs.

\*\* For vehicles built before 3/12/96 ONLY.

\* **IMPORTANT:** This campaign does not apply to California emissions vehicles registered in California.

## OWNER'S LETTER

PNC P8152  
OWNER'S LETTER  
1996 FEDERAL / CALIFORNIA EMISSION (Registered outside of California) MAXIMA  
SUNBELT  
Excludes California Emission Vehicles Registered in California

Dear Nissan Maxima Owner:

Nissan is committed to providing the highest levels of product quality and customer satisfaction. Through our product performance monitoring, we have identified incidents involving certain parts of the emission control system which are causing the malfunction indicator light (MIL) in the instrument panel to illuminate. This light is marked (insert check engine symbol).

To ensure your satisfaction, and to prevent any future inconvenience by minimizing the likelihood that you will experience a "MIL light" on your vehicle, Nissan is conducting a Voluntary Service Campaign to replace certain emission control parts with improved parts at no charge to you for either parts or labor. These parts are the front and rear oxygen sensors. A water separator kit for the evaporative emission control system will also be installed, if your vehicle presently does not have one. In addition, the vent control valve will be inspected and replaced if necessary.

You should be aware that in those areas of the country where vehicles are subject to an emissions or smog test, your vehicle may fail if the MIL light is on.

Please contact your Nissan dealer to make an appointment. While this service will generally take about one hour to complete, your dealer may require your Maxima for a longer period of time based upon his or her work schedule. As noted in your Owner's Manual, if the MIL illuminates the vehicle is still driveable but you should contact your nearest Nissan dealer as soon as possible to schedule a service appointment.

Please bring this letter with you when you arrive for your service appointment. If you have any questions or concerns you may contact a Nissan representative at our toll free phone number. The phone number is (877) 732-2559.

Thank you for providing us an opportunity to better ensure your satisfaction with your new Nissan. We sincerely apologize for any inconvenience this may cause you.

Thank you for your cooperation. We apologize for any inconvenience this may cause you.

NISSAN MOTOR CORPORATION U.S.A.

PNC P8132  
OWNER'S LETTER  
1996 FEDERAL / CALIFORNIA EMISSION (Registered Outside of California) MAXIMA  
NON-SUNBELT

Dear Nissan Maxima Owner:

Nissan is committed to providing the highest levels of product quality and customer satisfaction. Through our product performance monitoring, we have identified incidents involving certain parts of the emission control system which are causing the malfunction indicator light (MIL) in the instrument panel to illuminate. This light is marked (insert check engine symbol).

To ensure your satisfaction, and to prevent any future inconvenience by minimizing the likelihood that you will experience a "MIL light" on your vehicle, Nissan is conducting a Voluntary Service Campaign to replace certain emission control parts with improved parts at no charge to you for either parts or labor. These parts are the front and rear oxygen sensors and vent control valve. A water separator kit for the evaporative emission control system will also be installed, if your vehicle presently does not have one. In addition, the vapor canister will be inspected and replaced if necessary.

You should be aware that in those areas of the country where vehicles are subject to an emissions or smog test, your vehicle may fail if the MIL light is on.

Please contact your Nissan dealer to make an appointment. While this service will generally take about one hour to complete, your dealer may require your Maxima for a longer period of time based upon his or her work schedule. As noted in your Owner's Manual, if the MIL illuminates the vehicle is still driveable but you should contact your nearest Nissan dealer as soon as possible to schedule a service appointment.

Please bring this letter with you when you arrive for your service appointment. If you have any questions or concerns you may contact a Nissan representative at our toll free phone number. The phone number is (877) 732-2559. If you reside in Hawaii, please call (808) 836-0888.

Thank you for providing us an opportunity to better ensure your satisfaction with your new Nissan. We sincerely apologize for any inconvenience this may cause you.

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NISSAN MOTOR CORPORATION U.S.A.