



SERVICE BULLETIN

Classification:

EC00-015

Reference:

NTB00-060

Date:

July 17, 2000

EVAP VENT CONTROL VALVE DIAGNOSTICS

APPLIED VEHICLES: All 1996 – later Nissan vehicles

SERVICE INFORMATION

If an applied vehicle has one (or more) of the following DTCs stored in Self Diagnosis, use the Service Procedure below to check the operation of the EVAP vent control valve.

IMPORTANT NOTES:

- If DTC(s) other than the ones listed below are found stored in Self Diagnosis, the EVAP vent control valve is NOT the cause of the incident.
- If the EVAP vent control valve passes the tests outlined in the following Service Procedure, the cause of the incident is NOT the EVAP vent control valve.

DTC CODES	
1996-97 Vehicles	1998-Later Vehicles
P0440	P0440
P0443	P0450
P0446	P0455
P0450	P1440
	P1441
	P1446
	P1448
	P1493
	P0446

SERVICE PROCEDURE

Perform the following checks (depending on the model year of the vehicle) to determine if the EVAP vent control valve needs to be replaced.

- If the EVAP vent control valve passes all of the following checks, the cause of the incident is NOT the EVAP vent control valve. Refer to the appropriate section of the service manual for the diagnostic procedure to resolve the incident.
- If the EVAP vent control valve does not pass all of the following checks, perform repairs as necessary.

1996-97 Vehicles

1. Check the operation of the EVAP vent control valve using a 12VDC battery source as follows:

A. Apply battery voltage (see Figure 1) and look into the hose end of the valve to confirm the air passage closes (and seals).

NOTE: The valve must function (click) on the first application of battery voltage.

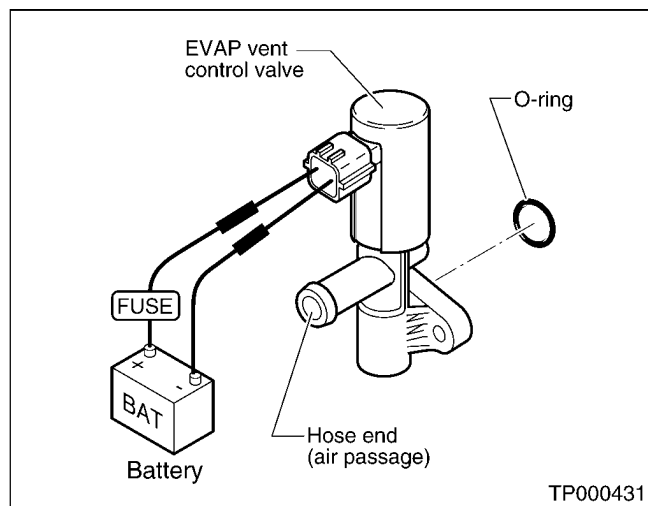


Figure 1

- B. While looking into the hose end of the valve, disconnect the battery voltage and confirm the air passage re-opens fully and immediately (the valve should not stick closed).
- C. Repeat steps A and B above to confirm the valve closes and re-opens consistently.
2. Confirm the sealing O-ring (for the valve) is:
 - Correctly positioned and is not damaged (see Figure 1)
 - Adequately lubricated with Texaco Canopus 13 mineral oil (P/N 999MP-AJ000)
 3. Make sure the water separator and related hoses are not blocked by debris or insects.

NOTE: If a Maxima, Truck or 240SX is not equipped with a water separator, refer to the following TSB(s) to install one.

TSB FOR WATER SEPARATOR KIT INSTALLATION	
Model	TSB Number
Maxima (A32)	NTB96-078
Truck (D21)	NTB97-074
240SX (S14)	NTB97-078

1998 and Later CONSULT Compatible Vehicles

1. Check the operation of the EVAP vent control valve using CONSULT or CONSULT-II as follows:

A. Connect CONSULT (or CONSULT-II) and turn the ignition key to the ON position.
Do not start the engine.

B. Touch "Start".

C. Touch "Engine".

D. Touch "Active Test".

E. Touch "Vent Control/V".

F. Touch "ON" and look into the hose end of the valve to confirm the air passage closes (and seals).

NOTE: The valve must function (click) on the first application of the "ON" selection.

G. While looking into the hose end of the valve, touch "OFF" and confirm the air passage re-opens fully and immediately (the valve should not stick closed).

H. Repeat steps F and G above to confirm the valve closes and re-opens consistently.

2. Confirm the sealing O-ring (for the valve) is:

- Correctly positioned and is not damaged (see Figure 1)
- Adequately lubricated with Texaco Canopus 13 mineral oil (P/N 999MP-AJ000)

3. Make sure the water separator and related hoses are not blocked by debris or insects.

NOTE: If a Maxima, Truck or 240SX is not equipped with a water separator, refer to the TSB(s) in the table above to install one.

CLAIMS INFORMATION

If applicable, submit a Primary Failed Part (PP) line claim using the following claims coding:

For 1996-97 vehicles:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
CONSULT Diagnosis	(1)	DE888A	HD	32	0.6 hrs.
Replace EVAP Canister Vent Control Valve		FC50AA			(2)

(1) Reference the appropriate vehicle Parts Catalog and use the indicated EVAP Vent Control Valve P/N as the PFP.

(2) Reference the current Nissan "Warranty Flat Rate Manual" and use the indicated "FC50AA" flat rate time for the vehicle being serviced.

For 1998-later vehicles:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Diagnosis	(1)	(2)	HD	32	(2)
Replace EVAP Canister Vent Control Valve		FC50AA			(3)

(1) Reference the appropriate vehicle Parts Catalog and use the indicated EVAP Vent Control Valve P/N as the PFP.

(2) Reference Section “EE” of the current Nissan “Warranty Flat Rate Manual” and use the indicated diagnostic Op Code and flat rate time for the DTC as determined using CONSULT.

(3) Reference the current Nissan “Warranty Flat Rate Manual” and use the indicated “FC50AA” flat rate time for the vehicle being serviced.

