



# SERVICE BULLETIN

Classification: EC04-013a	Reference: NTB04-124a	Date March 21, 2005
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## 2004 TITAN AND ARMADA; KNOCKING NOISE FROM ENGINE AREA

This bulletin amends NTB04-124. The Service Procedure and Parts Information have been amended.  
Please discard all paper copies of the earlier version.

**APPLIED VEHICLES:** 2004 Titan (A60)  
2004 Armada (TA60)

### IF YOU CONFIRM:

A slight knock noise coming from the engine area at idle speed,

**NOTE:** This noise:

- May sound like engine "knock".
- Is heard only at idle speed.
- May be intermittent.

### DETERMINE IF:

The noise is coming from the EVAP canister purge volume control solenoid valve and piping (see steps 1 – 6 in the Service Procedure).

### ACTION:

If the noise is coming from this "solenoid valve" and piping:

- Install the "solenoid valve bracket" and "service port" listed in the Parts Information.
- Use the new bolts (listed in the Parts Information) to attach the solenoid valve to the new bracket.

**IMPORTANT:** The purpose of "ACTION" (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.

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 Nissan dealer to determine if this applies to your vehicle.

## PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
EVAP Canister Purge Volume Control S/V Bracket	14957-7S001	1
Bolts (Solenoid to Bracket)	08158-63028	2
Service Port	14939-EA200	1

## CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL EVAP Canister Purge Volume Control Solenoid Valve	14957-7S001	FC60AA	ZL	32	(1)

1. Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

## SERVICE PROCEDURE

### Confirm Incident “Knock” Noise.

1. Start the engine.
2. Connect CONSULT-II to the vehicle and select **ENGINE** > **ACTIVE TEST** > **PURG VOL CONT/V** (EVAP canister purge volume control solenoid valve).
3. Press **Qu**.
  - This will cause the solenoid valve to begin operating.
4. Listen closely for a slight "knocking" noise from the engine compartment.
  - If knocking noise is not heard, this bulletin does not apply.
  - If knocking noise is heard, go to step 5.

### Determine if Knocking is Coming From EVAP Valve and Piping

5. Press **Qd** (reading should be **0%**)
  - The solenoid valve will stop operating.
6. Listen again for "knocking" noise.
  - If you still hear this “knocking” noise, this bulletin does not apply. Go to ASIST for further diagnostic information.
  - If you don't hear the "knocking" noise, shut off the engine and go to step 7.

## Install New EVAP Parts

**NOTE:** If your vehicle already has the “new” style service port, this bulletin does not apply (see Figure 2).

7. Remove the engine cover and replace the following parts (see Figures 1 and 2):

- EVAP canister purge volume control solenoid valve bracket.
- Bolts that hold the solenoid valve to the bracket.
- Service port.

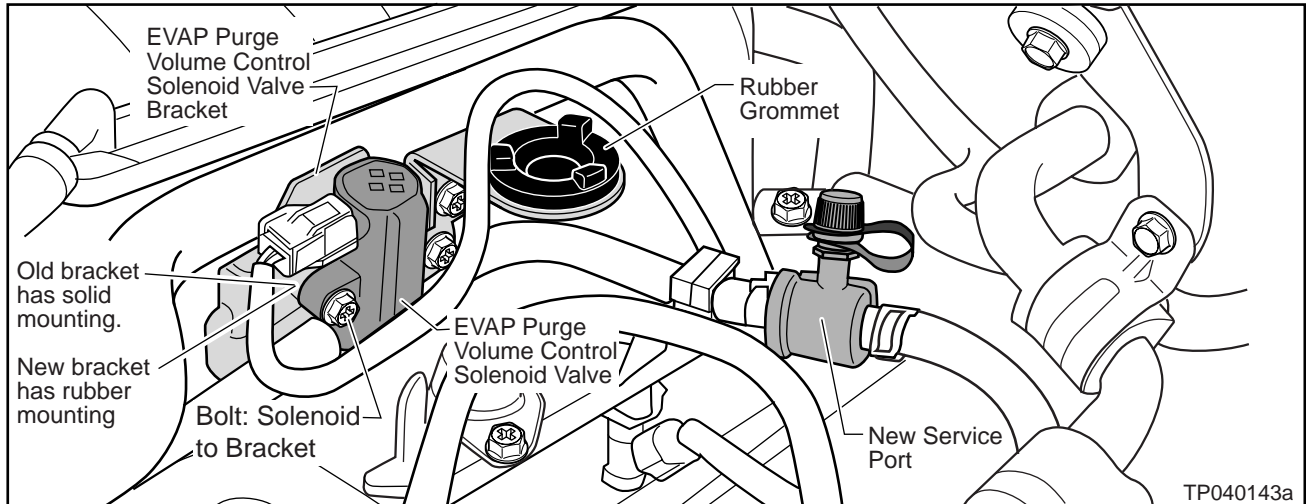


Figure 1

### NOTES:

- Use the new parts listed in the Parts Information.
- Make sure you move the rubber grommet and solenoid valve from the old bracket to the new bracket (see Figure 1).
- Make sure you install the Service Port in the correct direction (see Figure 2).

8. Repeat steps 1, 2, and 3 to verify the slight “knocking” noise is gone.

9. Reinstall the engine cover.

10. Erase any DTC's that may have been stored during the procedure.

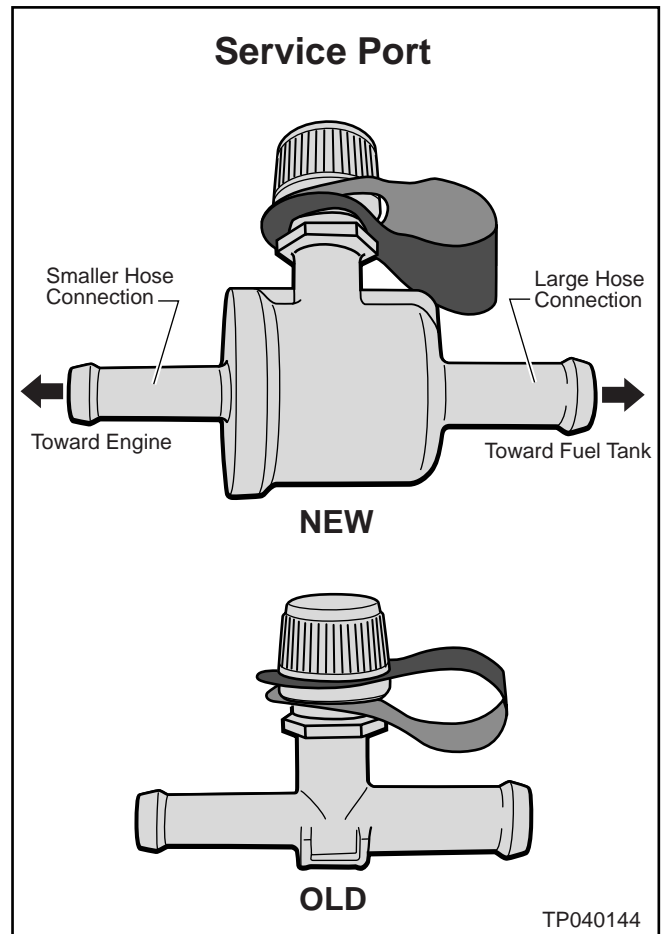


Figure 2