

# NISSAN

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**NISSAN NORTH AMERICA, INC.**

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June 10, 2005

Mr. George Person  
Chief, Recall Analysis Division  
Office of Defects Investigation  
Safety Assurance  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Ref: 05V-269

Dear Mr. Person:

The enclosed communication is being provided pursuant to 49 CFR Part 573.6(c)(9).

Technical Compliance Department

Encl.

Subject: 2005 Sentra Fuel Tank Vapor Line Voluntary Recall Campaign

09V-269

Attention – Dealer Principals and Service Managers

**\*\*\*\*\* Campaign Announcement \*\*\*\*\***

Nissan is conducting a Voluntary Safety Recall Campaign on approximately 43,800 Model Year 2005 Nissan Sentra vehicles. On the affected vehicles, a fuel tank vapor hose inside the fuel tank may not have been manufactured properly. Under certain conditions fuel may flow from the tank through fuel vapor hose and into the vapor canister. If the amount of fuel in the canister exceeds its capacity, fuel may be discharged onto the ground.

To prevent this from occurring, Nissan will perform a vacuum test of the vapor hose connections in the fuel tank to determine if any of the connections have a poor seal. If a poor seal is identified, a new fuel tank will be installed.

**\*\*\*\*\* Dealer Inventory \*\*\*\*\***

Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to delivery under a sale or lease. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration (NHTSA).

Please use Service Comm (PM501) to determine which 2005 Sentra vehicles in your inventory may be affected by this campaign and are subject to the sales hold.

**\*\*\*\*\* Owner Notification \*\*\*\*\***

Nissan will begin to mail Owner Notification letters on or before August 15, 2005 to all affected owners.

**\*\*\*\*\* Parts Availability \*\*\*\*\***

Initial shipment of fuel tanks to all Nissan Dealers with affected Sentra vehicles in dealer inventory, will begin June 10 and will continue over the next 1-2 weeks. During this period, the fuel tanks will be on parts sales restriction. The parts sales restriction is expected to be removed after the initial shipments are completed.

In a limited number of cases, the fuel vapor canister may be damaged and require replacement. If a fuel canister is required, use the normal parts ordering process. Important: To ensure an adequate supply for all dealers, please order only as needed.

**\*\*\*\*\* Repair Instructions \*\*\*\*\***

Preliminary Repair Instructions to complete the campaign repair on dealer inventory vehicles and to submit the related claim are available on NNAnet.com and are located under My Documents in the Service/Campaign folder. Important: This repair procedure is applicable only to vehicles in dealer inventory.

The Recall Campaign Bulletin (final repair instructions) will be available on ASIST prior to owner notification (August 15 or sooner). At that time, all vehicles affected by this campaign will be included in Service Comm.

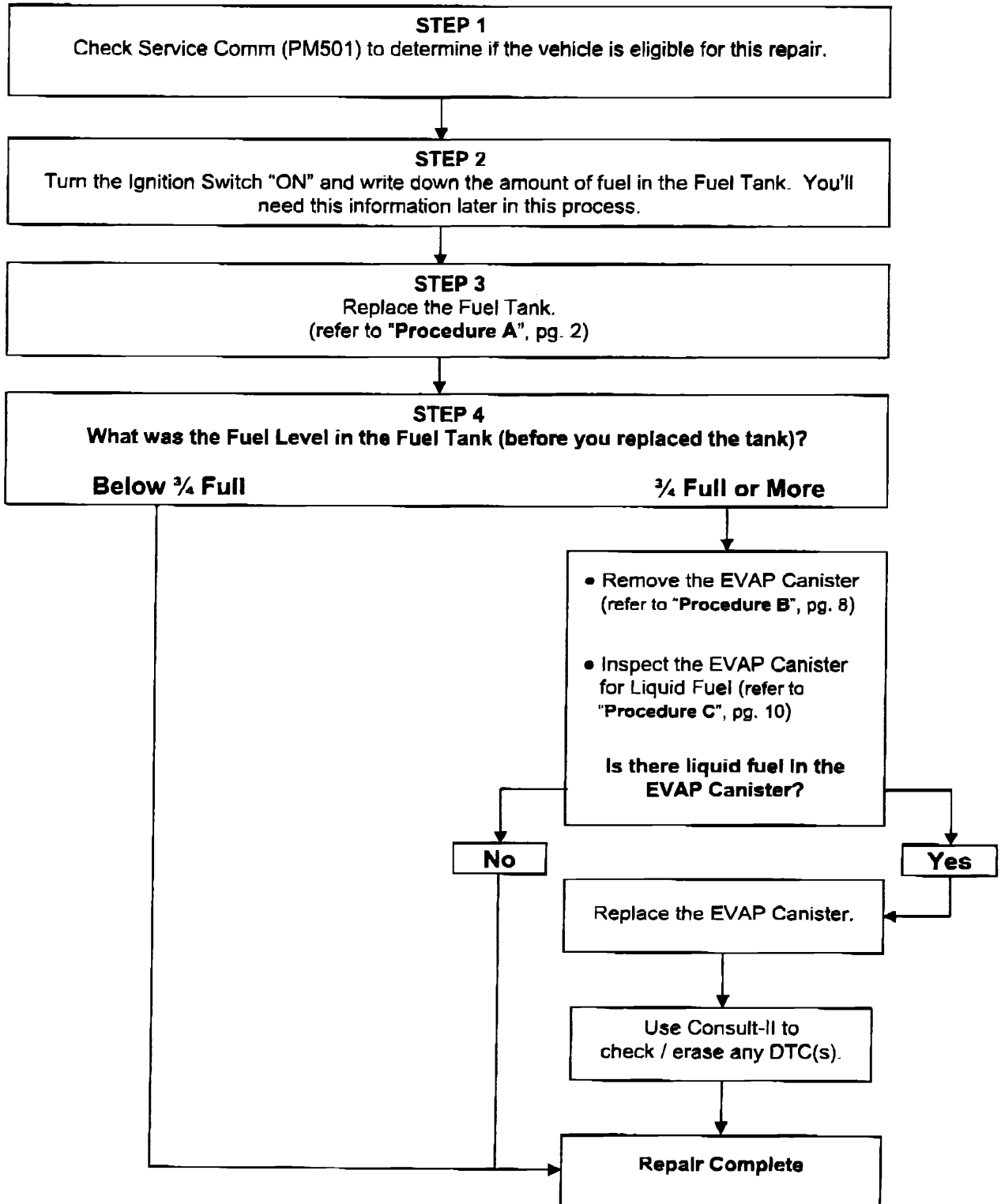
If you have any additional questions related to this campaign, please contact your Dealer Parts and Service Manager (DPSM).

Nissan Parts and Service Operations  
06/10/2005

**2005 Sentra Fuel Tank Vapor Hose Recall Campaign  
Preliminary Repair Instructions  
(For New Vehicles in Dealer Inventory ONLY)**

Applied Vehicle: 2005 Sentra (B15)

Applied VIN: Vehicles built within: 3N1\*B51\*\*5L487119 - 541526



## PROCEDURE A (Fuel Tank Replacement)

### WARNING:

- Before performing any of the Service Procedures below, be certain there are no ignition sources (i.e., open flames, sparks, etc.) in or around the vehicle/work area.
- Make sure the appropriate rated fire extinguisher is available for immediate use.
- Use suitable protective gloves, safety glasses, or face shield.
- Make sure the Fuel Tank Level is 1/8 or less. If needed, use a suitable device to pump fuel out of the Fuel Tank (see Step 10 on page 5).

### Preliminary Steps

1. Release the fuel pressure as follows:
  - a. Connect CONSULT-II to the vehicle.
  - b. Turn the Ignition Switch to the "ON" position.
  - c. Perform "FUEL PRESSURE RELEASE" in the "WORK SUPPORT" mode.
  - d. Start the engine.
  - e. After the engine stalls, crank it two or three times to release all fuel pressure.
  - f. Turn the Ignition Switch "OFF".
2. Turn the Ignition Switch "ON" and write down all radio station presets.
3. Turn the Ignition Switch "OFF" and disconnect the negative battery cable.
4. Remove the Fuel Filler Cap to release any pressure in the Fuel Tank.

## Parts Removal

### 5. Remove the Rear Lower Seat Cushion.

- Pull UP at two locations to release the Metal Ring from the Plastic Retainer (see Figure 1).

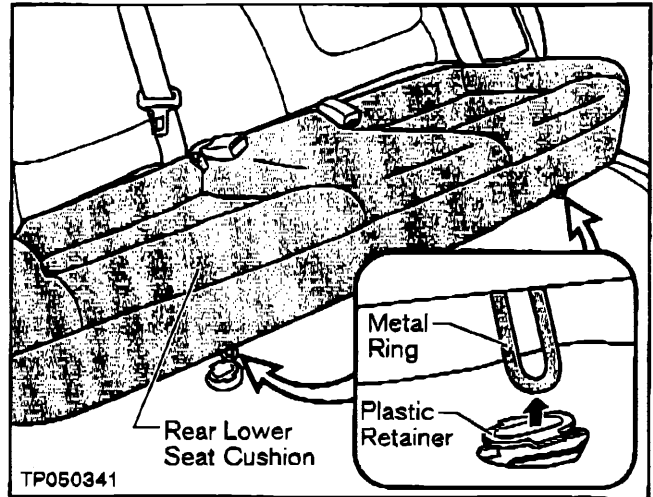


Figure 1

### 6. Remove the Inspection Hole Cover as follows:

- a. Turn each Attachment Clip 90° (see Figure 2a).
- b. Then, lift the Cover UP and reach under and disconnect the Fuel Level Sensor/Pump Assembly Connector (see Figure 2b).

**CAUTION:** Be careful of the sharp edges around the Inspection Hole (see Figure 2b).

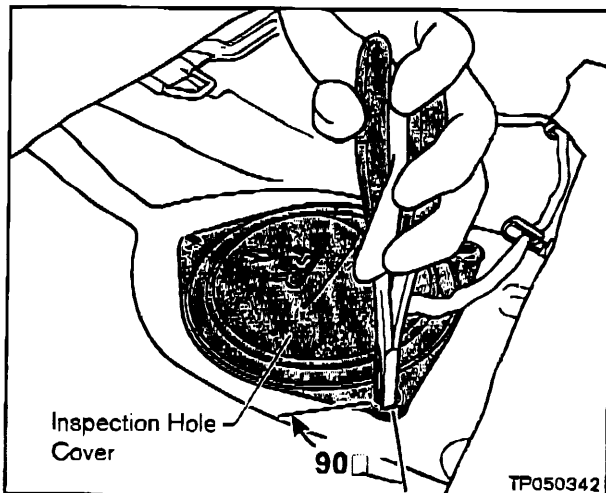


Figure 2a

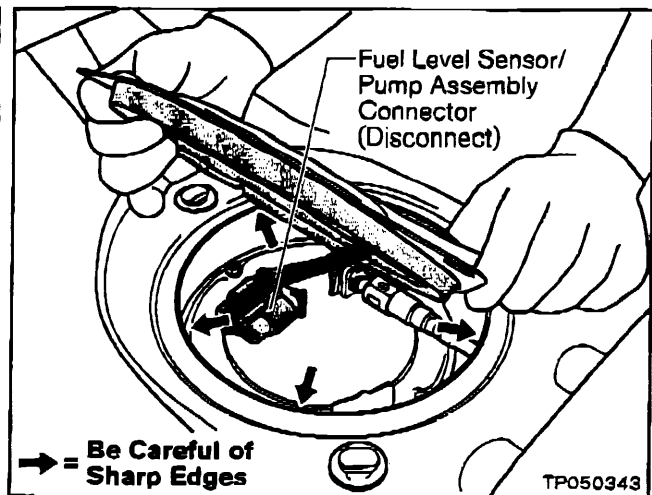


Figure 2b

7. Disconnect the Fuel Feed Hose Quick Connector from the Fuel Level Sensor/Pump Assembly.

- First, press IN on the two side Lock Tabs (see Figure 3).
- Then, pull BACK on the Quick Connector (see Figure 3).

**CAUTION:**

- The Quick Connector can be removed when the two side Lock Tabs are completely depressed.
- Do NOT twist the Fuel Feed Hose more than necessary.
- Do NOT use any tools to remove the Quick Connector.

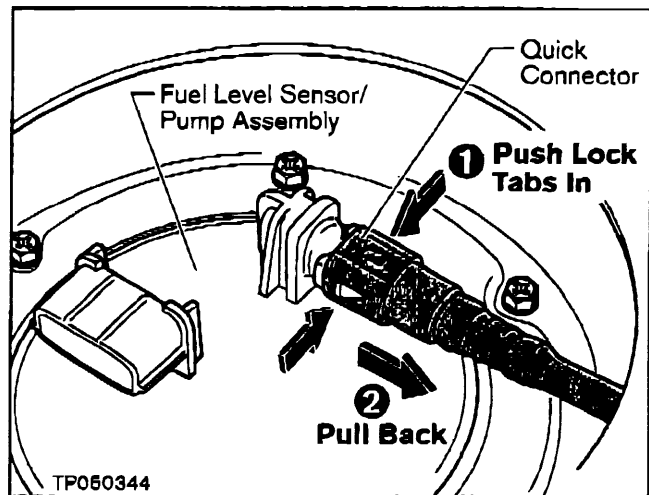


Figure 3

8. Raise the vehicle on a hoist.

9. Remove the Center Exhaust Tube as follows:

- a. Remove two Nuts that secure the Center Exhaust Tube to the Front Exhaust Tube (see Figure 4a).
- b. Remove two Nuts that secure the Center Exhaust Tube to the rear Muffler (see Figure 4b).

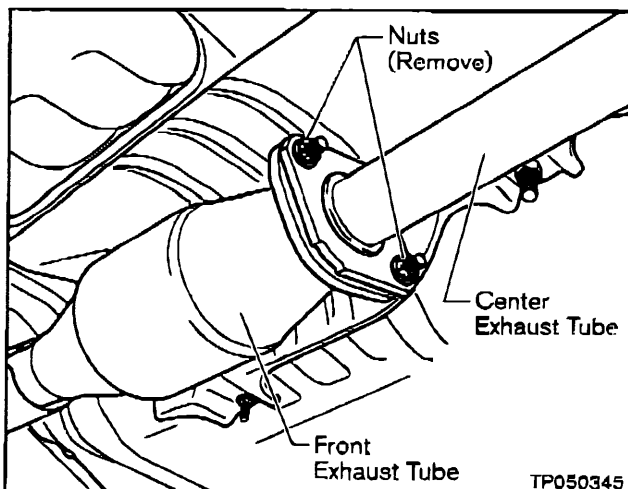


Figure 4a

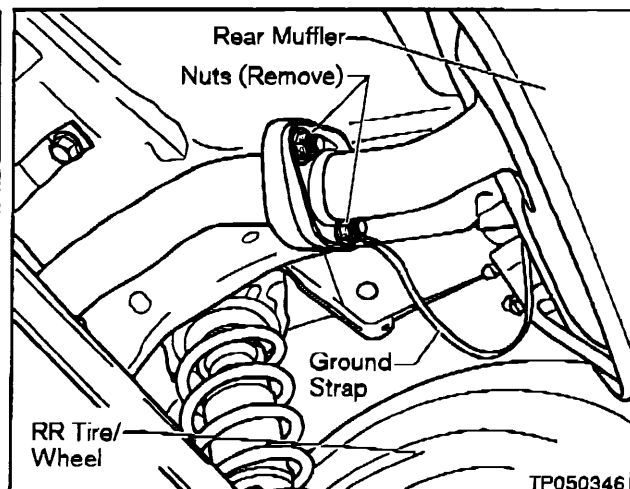


Figure 4b

10. If the Fuel Tank level is over 1/8 full, use a suitable fuel removal device to pump fuel out of the Fuel Tank Filler Hose (see Figure 5).

- Pump fuel out until the Fuel Tank level is 1/8 full or less.

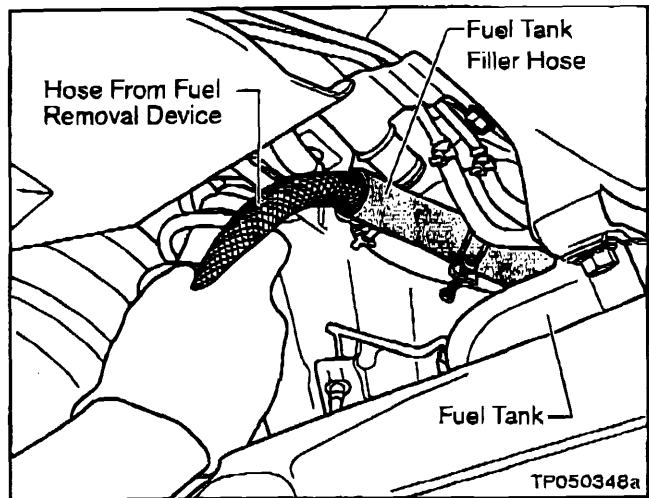


Figure 5

11. Disconnect the following Fuel Tank Hoses from the Fuel Tank (leave them connected to the vehicle). See Figure 6.

- EVAP Hoses (qty 2)
- Vent Hose (qty 1)
- Fuel Filler Hose (qty 1) if not already disconnected in step 10 above.

**NOTE:** Mark the hoses with a permanent marker/duct tape for proper re-installation.

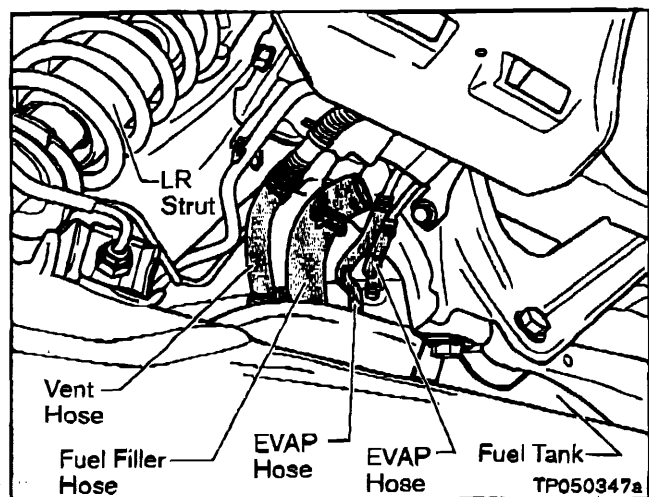


Figure 6

12. Place a suitable Jack under the Fuel Tank and then remove the two Bolts that secure the Fuel Tank Support Straps (see Figure 7).

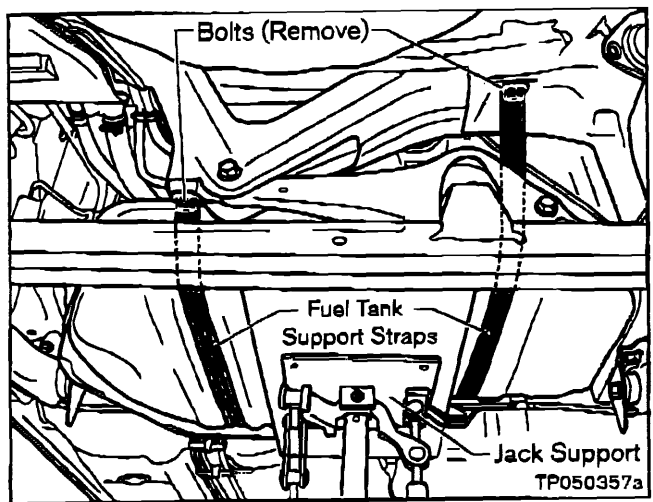


Figure 7

13. Lower the Fuel Tank 3 inches. Then remove two Nuts and two Plastic Clips that hold the Fuel Tank Protector (see Figure 8). Remove the Protector.

- To remove the Plastic Clips, press IN on the Lock Tabs (see Figure 8).

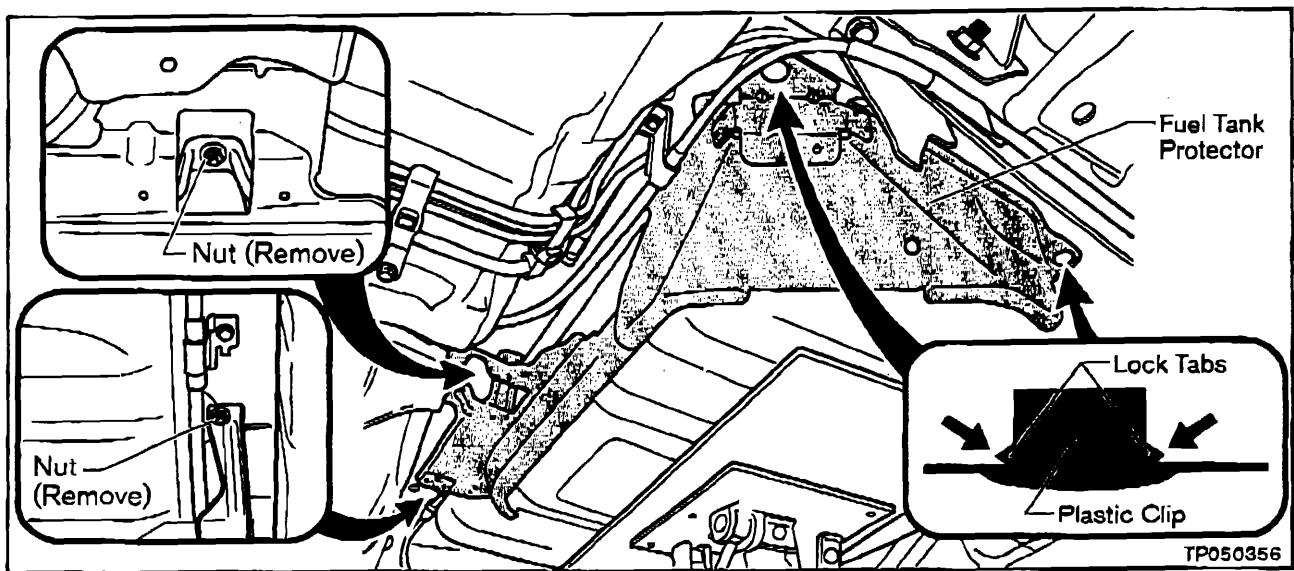


Figure 8



14. Remove the Fuel Tank from the vehicle and drain any remaining fuel into a suitable container.

### **Fuel Tank Installation**

15. Install the new Fuel Tank in the reverse order of removal, making sure:

- All Fuel Tank Hoses are properly installed and securely tightened.
- The Fuel Level Sensor/Pump Assembly Connector is securely reconnected.
- The Fuel Feed Hose Quick Connector is securely snapped in place (the connector will “click” when it’s locked into position). Pull on the Quick Connector to make sure it’s fully locked into position.

16. Check the Fuel Feed Hose Quick Connector for leaks as follows:

- a. First, apply fuel pressure to the fuel system by turning the Ignition Switch to the “ON” position (without starting the engine).
- b. Then, check for fuel leaks at the Quick Connector.
- c. Finally, start the engine and increase the idle speed. Then confirm there are no fuel leaks at the Quick Connector.

## PROCEDURE B (EVAP Canister Removal)

### WARNING:

- Before performing any of the Service Procedures below, be certain there are no ignition sources (i.e., open flames, sparks, etc.) in or around the vehicle/work area.
- Make sure the appropriate rated fire extinguisher is available for immediate use.
- Use suitable protective gloves, safety glasses, or face shield.

### Parts Removal

1. Remove two Plastic Clips and one Bolt and remove the EVAP Canister Protector (see Figure 9).

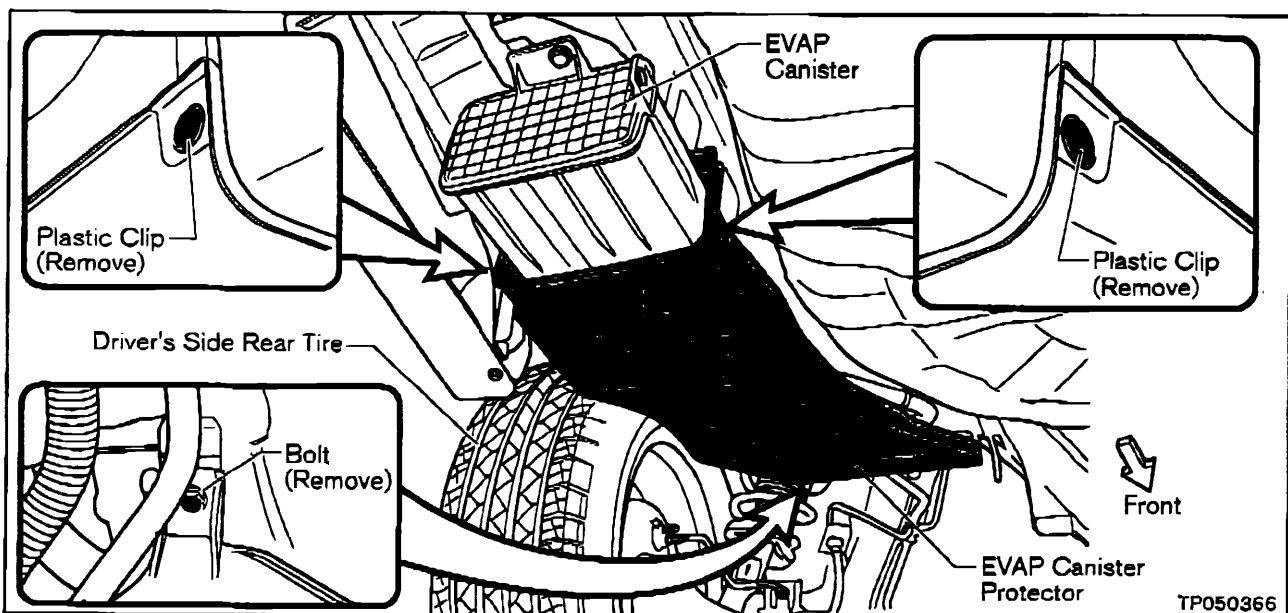


Figure 9

2. Disconnect the following from the EVAP Canister (refer to Figure 10):

- EVAP Vent Control Valve Hose (disconnect from vehicle metal pipe)
- EVAP Purge Hose
- EVAP/ORVR Hose (press IN on both Tabs to release)
- EVAP Vent Control Valve Connector
- EVAP Pressure Sensor Connector

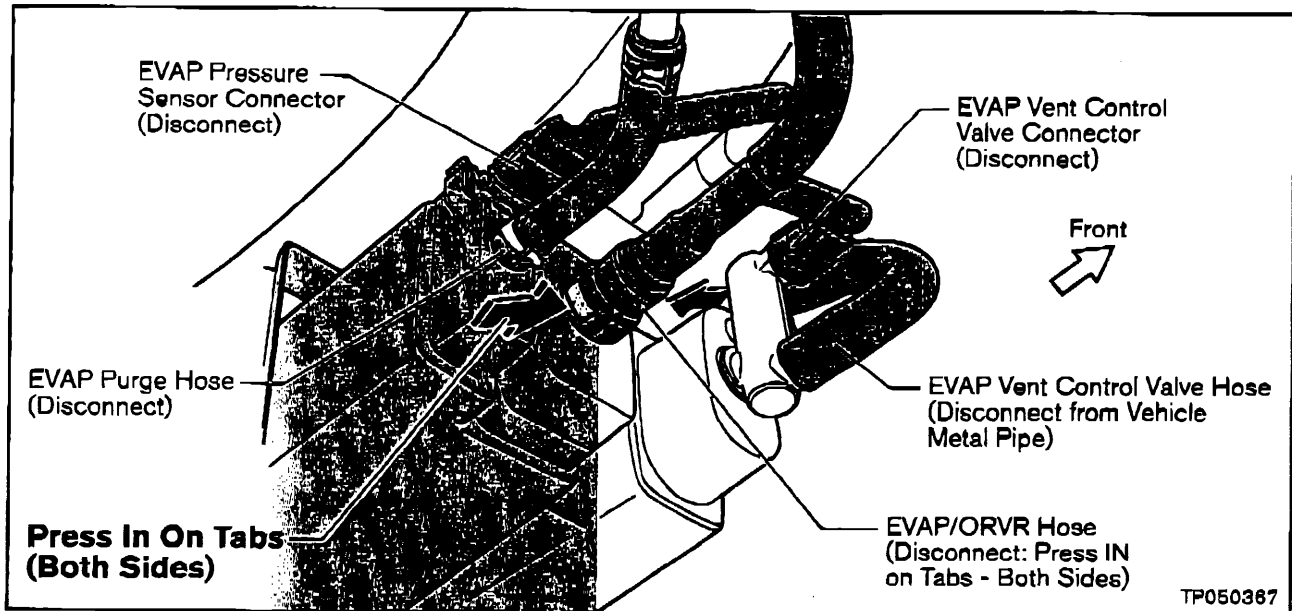


Figure 10

3. Remove one Bolt and slide the EVAP Canister rearward to remove it from the vehicle (see Figure 11).

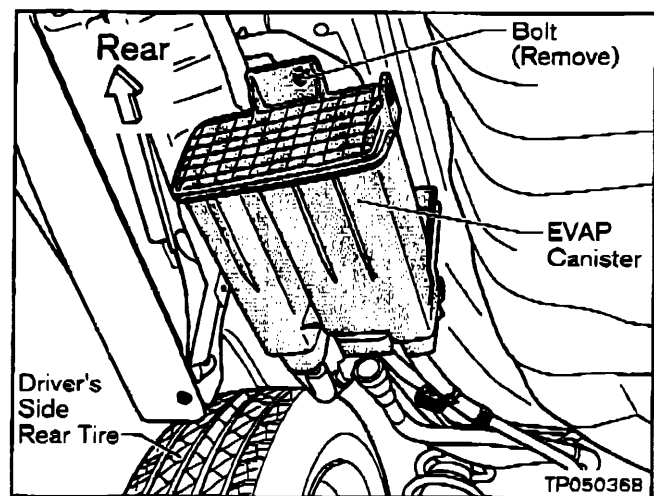


Figure 11

### EVAP Canister Installation

4. Install the EVAP Canister in the reverse order of removal, making sure:

- All hoses are properly re-connected and securely attached.
- The wire harness connectors are securely re-connected / snapped in place.

5. Use CONSULT-II to check / erase any DTC(s).

## PROCEDURE C (EVAP Canister Inspection)

1. Hold the EVAP Canister with the open Ports facing downward (see Figure 12).

- Check for liquid fuel coming out of the open Ports.
- If liquid fuel comes out of any of the open Ports, replace the EVAP Canister.
- If NO liquid fuel comes out of the open Ports, re-install the EVAP Canister.

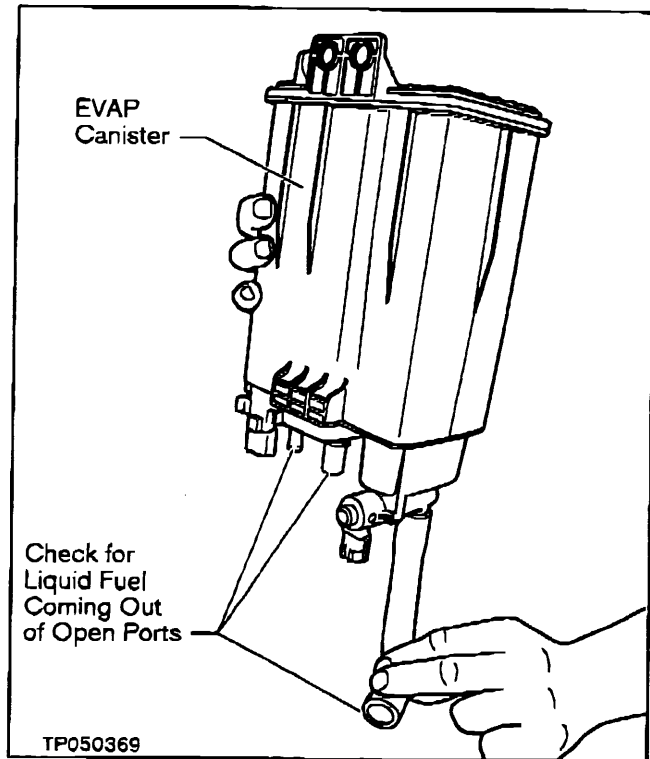
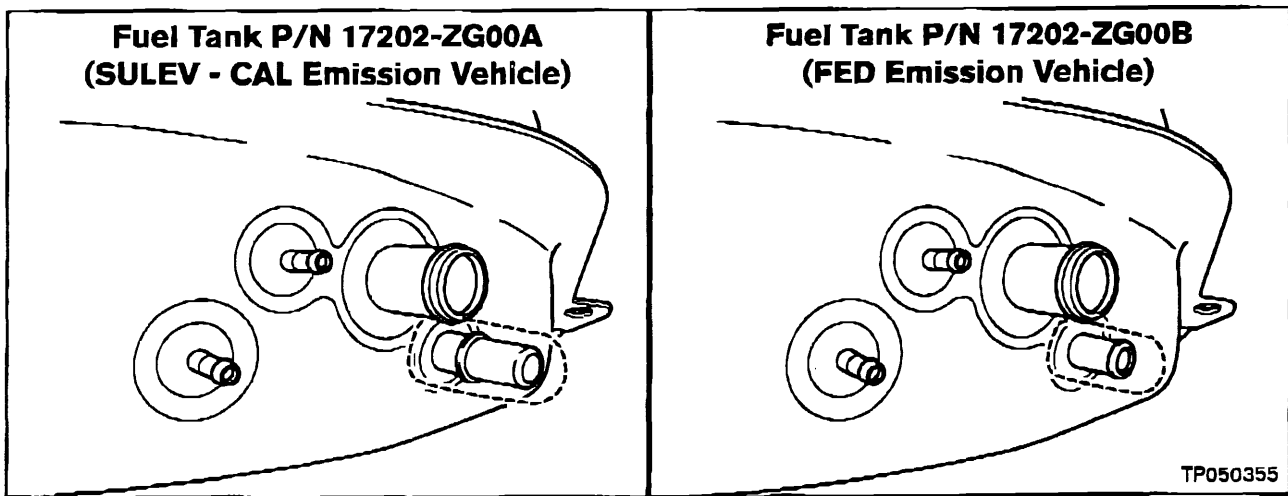


Figure 12

**PARTS INFORMATION**

DESCRIPTION	PART NUMBER	QUANTITY
Fuel Tank (SULEV – Cal *)	17202-ZG00A	1
Fuel Tank (Fed *)	17202-ZG00B	1
EVAP Canister (SULEV - Cal *)	14950-8U310	1 (If Needed)
EVAP Canister (Fed *)	14950-8U300	1 (If Needed)

\* Check the under-hood emission label to see if you're working on a "SULEV – California" or "Federal" emission vehicle.



**CLAIMS INFORMATION**

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

"CM" I.D.: PM501

DESCRIPTION	OP CODE	FRT
RPL Fuel Tank	PM5010	1.2 hrs

**OR:**

DESCRIPTION	OP CODE	FRT
RPL Fuel Tank & Inspect/Reinstall EVAP Canister	PM5011	1.5 hrs

**OR:**

DESCRIPTION	OP CODE	FRT
RPL Fuel Tank & EVAP Canister	PM5012	1.5 hrs