

NISSAN

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June 29, 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.

05V-204

Subject: 2005 Sentra Fuel Tank Vapor Line Voluntary Recall Campaign

Attention – Dealer Principals and Service Managers

***** Campaign Update *****

The purpose of this message is to inform dealers of revised Interim Repair Instructions, additional customer handling information and updated parts availability information.

***** Revised Interim Repair Instructions *****

Revised Interim Repair Instructions (Revision 1) are now available on NNA.net under My Documents in the Service/Campaigns and the Parts/Campaigns folders. Please discard any previous copies.

***** Disposition of Fuel Tanks *****

The requirement to hold the empty fuel tanks removed from campaigned vehicles until the campaign claim is reported as paid on the Monthly Warranty Credit Status Report is hereby waived. It is the responsibility of each Nissan dealer to dispose of the empty fuel tanks in a manner consistent with local, state and federal regulations and without charge to Nissan North America.

***** O-Rings *****

For most of the initial campaign repairs for new vehicles in dealer inventory, the O-Ring can be re-installed on these vehicles. However, to accommodate situations where the O-Ring needs to be replaced, the Interim Repair Instructions now include the applicable O-Ring Part Numbers.

***** Parts Availability *****

Nissan is continuing to ship a sufficient number of fuel tanks to perform the campaign repair on vehicles you may have in dealer inventory. Effective June 28 the parts sales restriction for the fuel tanks will be lifted and, if additional fuel tanks are needed, they may be ordered via the normal parts ordering process.

When ordering campaign fuel tanks, you may receive fuel tanks with the original service part number (not the campaign part number). These tanks can be used for the campaign repair. Use the applicable P/N (the part number that was installed on the vehicle) when submitting a claim.

A small number of repairs are expected to require replacement of the Vapor Canister. The vapor canisters required to complete are temporarily on Back Order status. All back orders on these parts are expected to be filled by June 27.

***** Repair of Customer Vehicles *****

Customer notification is expected to begin on or about August 15 at which time the vacuum test procedures (Service Campaign Bulletin) and special tools will be available to you. However, if a retailed vehicle within the VIN range exhibits any fuel leakage from the vapor canister, the vehicle can be repaired using the Interim Repair Instructions. Please note that the Open Campaign may not appear in Service Comm prior to August 15. Use the VIN range specified in the Interim Repair Instructions to determine if a retailed vehicle is eligible for the campaign repair.

If you have any questions, please contact your Dealer Parts and Service Manager (DPSM).

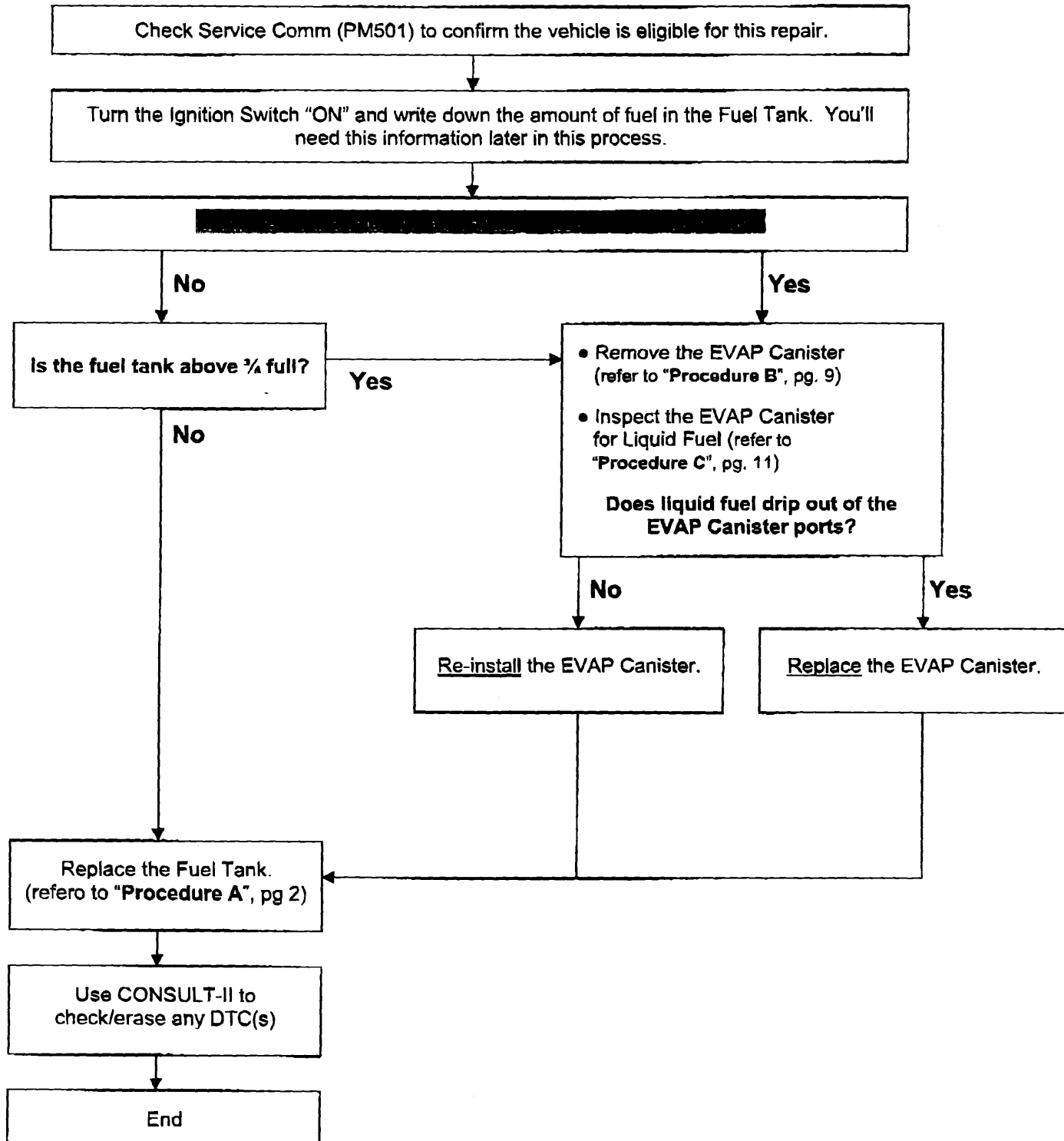
The Nissan Parts and Service Operations

06/24/2005

**2005 Sentra Fuel Tank Vapor Hose Recall Campaign
Interim Repair Instructions (Revision 1)
(For New Vehicles in Dealer Inventory and Customer Vehicles)**

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 6).**

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).

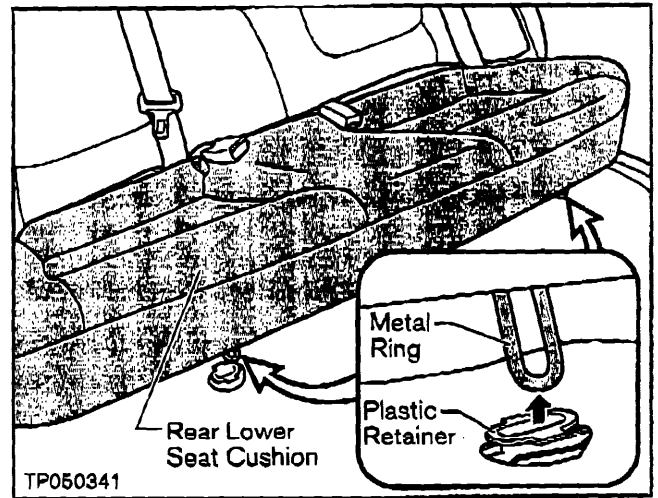


Figure 1

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).

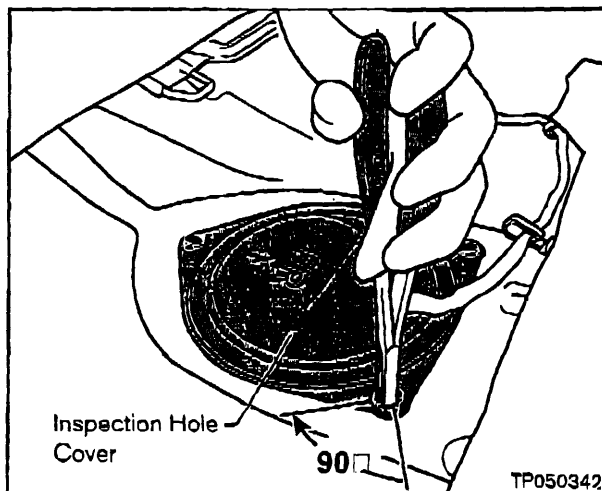


Figure 2a

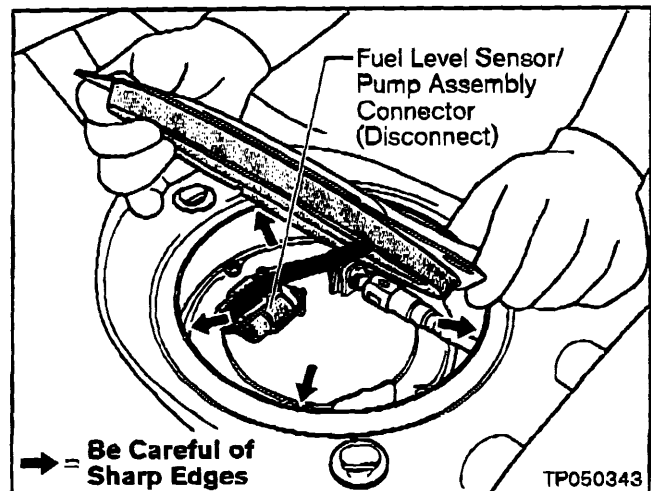


Figure 2b

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.

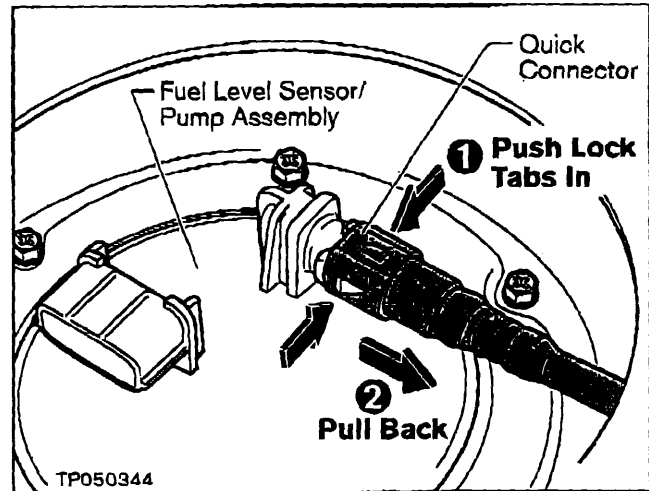


Figure 3

8. Raise the vehicle on a hoist.

9. Remove the Center Exhaust Tube as follows:

For Vehicles With QG18DE Engine

- 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).

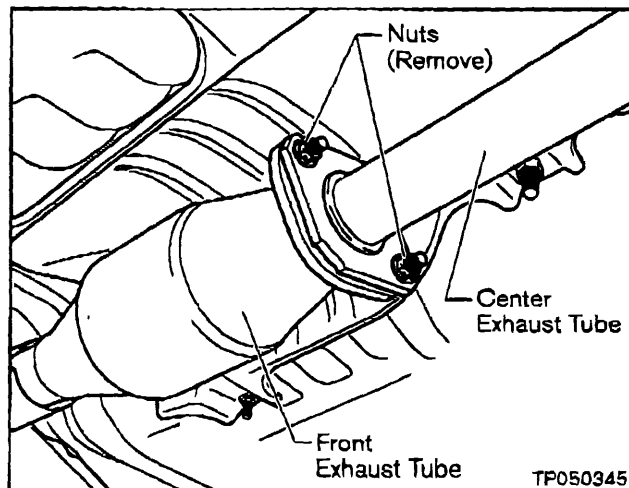


Figure 4a

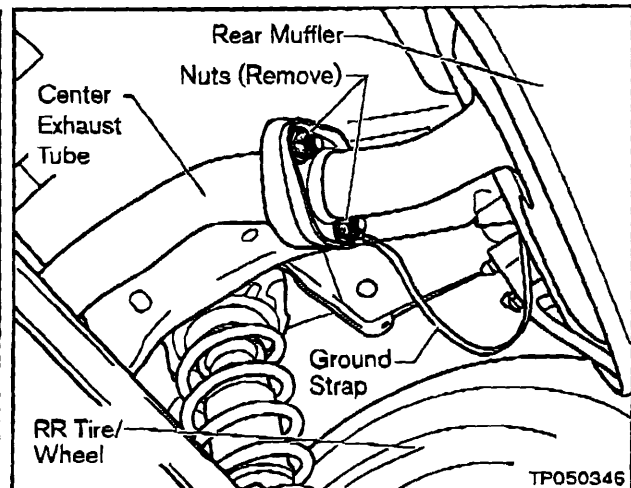


Figure 4b

For Vehicles With QR25DE Engine

- a. Remove two Nuts that secure the Center Exhaust Tube to the Front Exhaust Tube (see Figure 5).
- b. Remove two Nuts and remove the Center Exhaust Tube Support Bracket (see Figure 5).

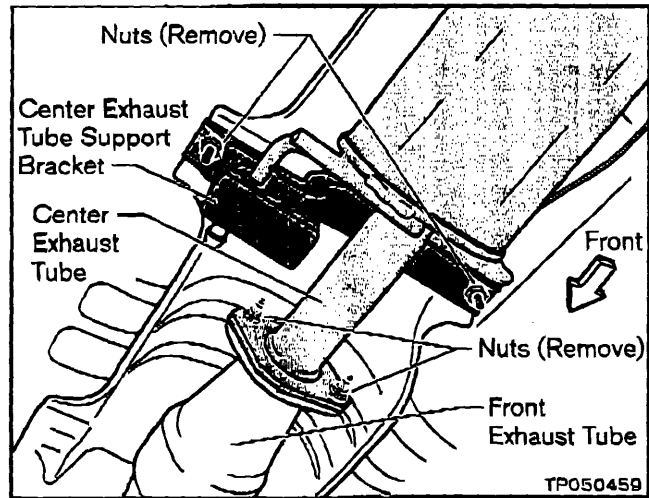


Figure 5

- c. Remove two Nuts and remove the Metal Cross Bracket (see Figure 6a).
- d. Remove two Bolts that secure the Center Exhaust Tube to the rear Muffler (see Figure 6b).

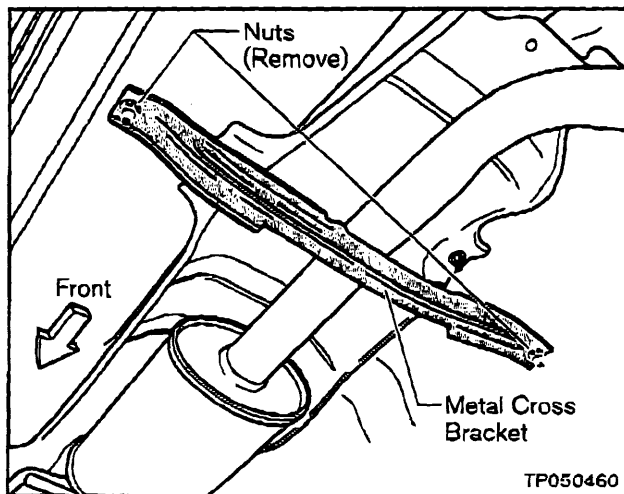


Figure 6a

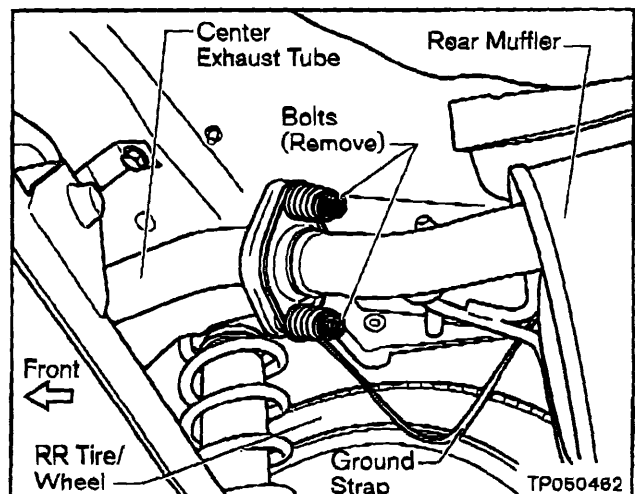


Figure 6b

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 7).

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

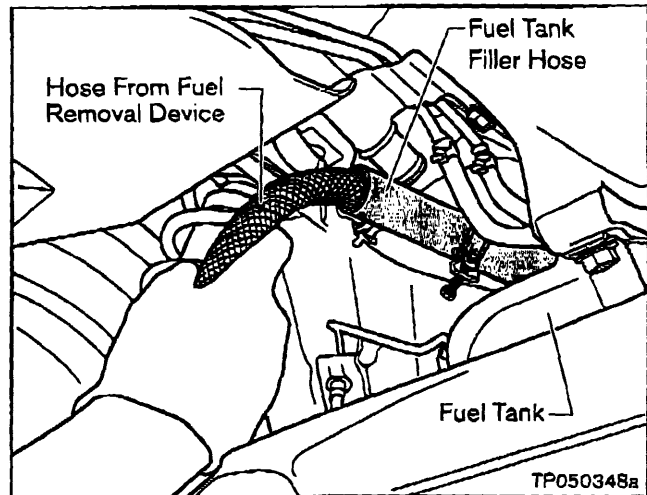


Figure 7

11. Disconnect the following Fuel Tank Hoses from the Fuel Tank (leave them connected to the vehicle). See Figure 8.

- 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.

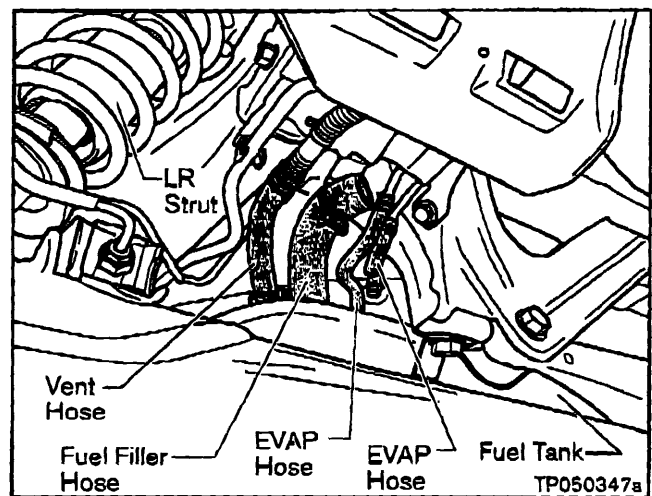


Figure 8

12. Place a suitable Jack under the Fuel Tank and then remove the two Bolts that secure the Fuel Tank Support Straps (see Figure 9).

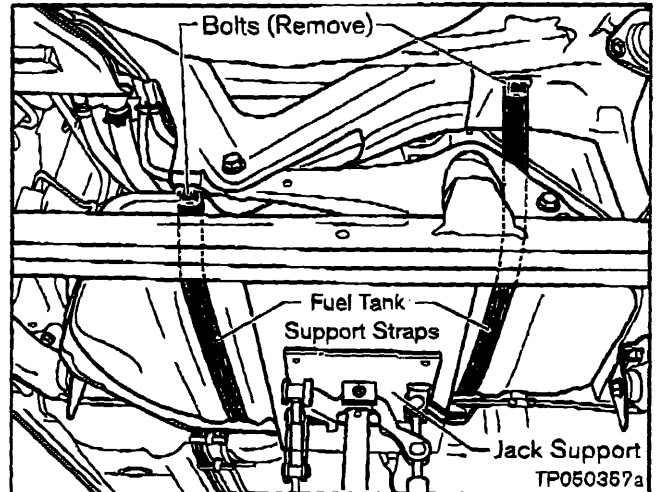


Figure 9

13. Lower the Fuel Tank 3 inches and remove the Fuel Tank Protector as follows:

For Vehicles With QG18DE Engine

- a. Remove two Nuts and two Plastic Clips that hold the Fuel Tank Protector (see Figure 10).
 - To remove the Plastic Clips, press IN on the Lock Tabs (see Figure 10).
- b. Remove the Protector.

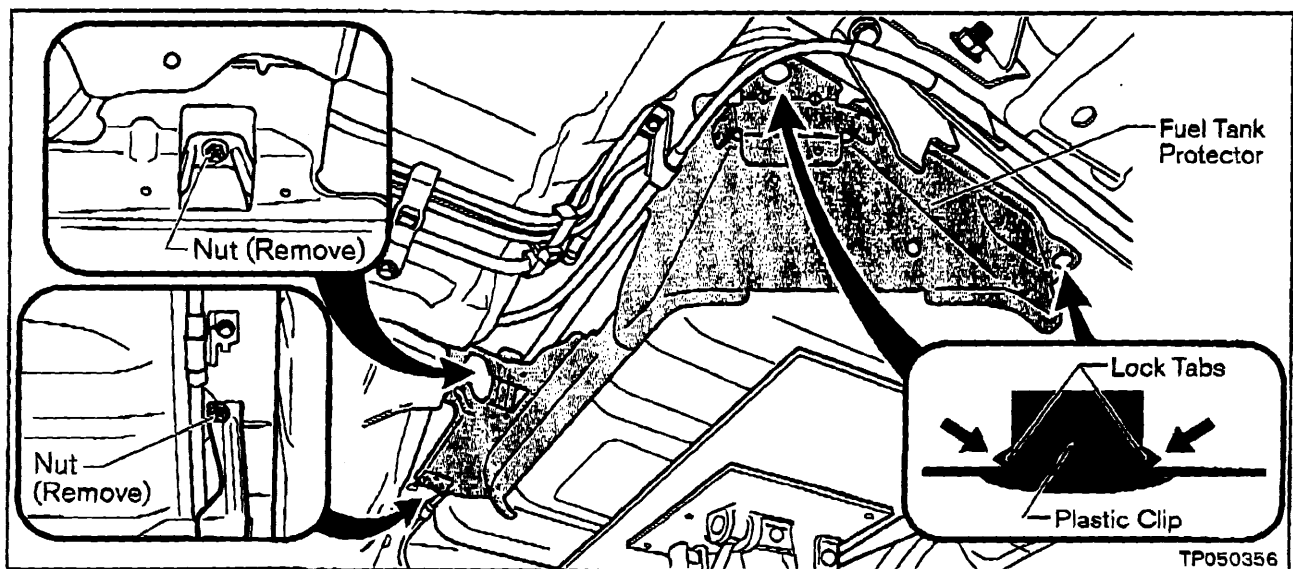


Figure 10

For Vehicles With QR25DE Engine

- a. Remove four Nuts and two Plastic Clips that hold the Fuel Tank Protector (see Figure 11).
 - To remove the Plastic Clips, press IN on the Lock Tabs (see Figure 11).
- b. Remove the Protector.

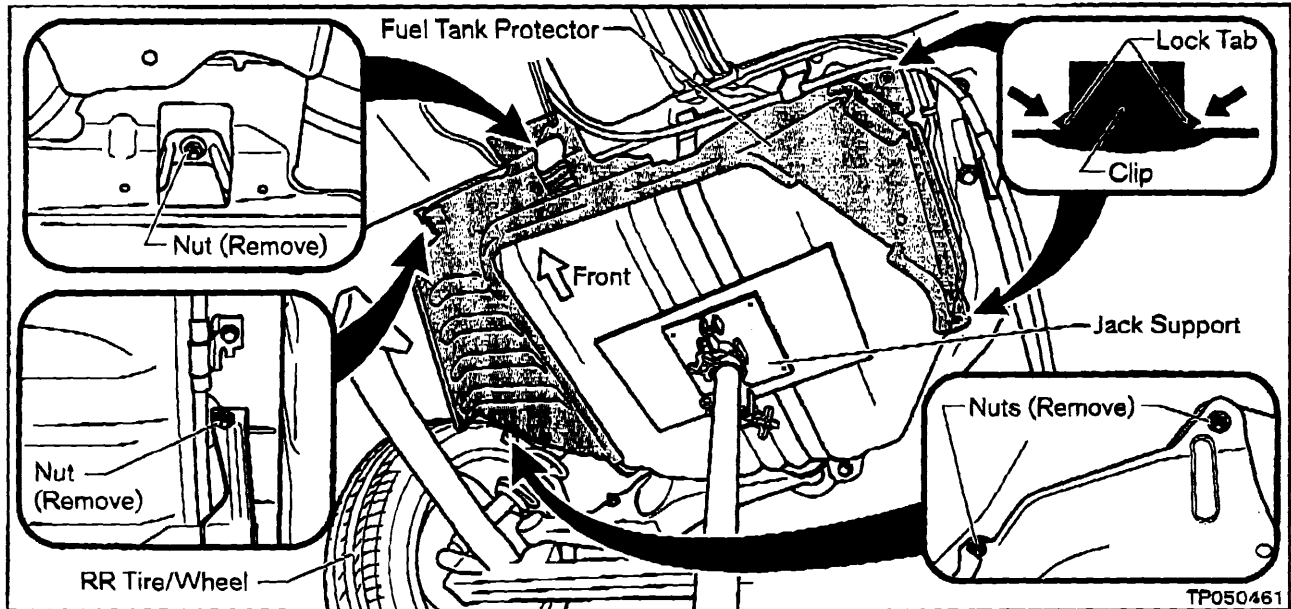


Figure 11

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 12).

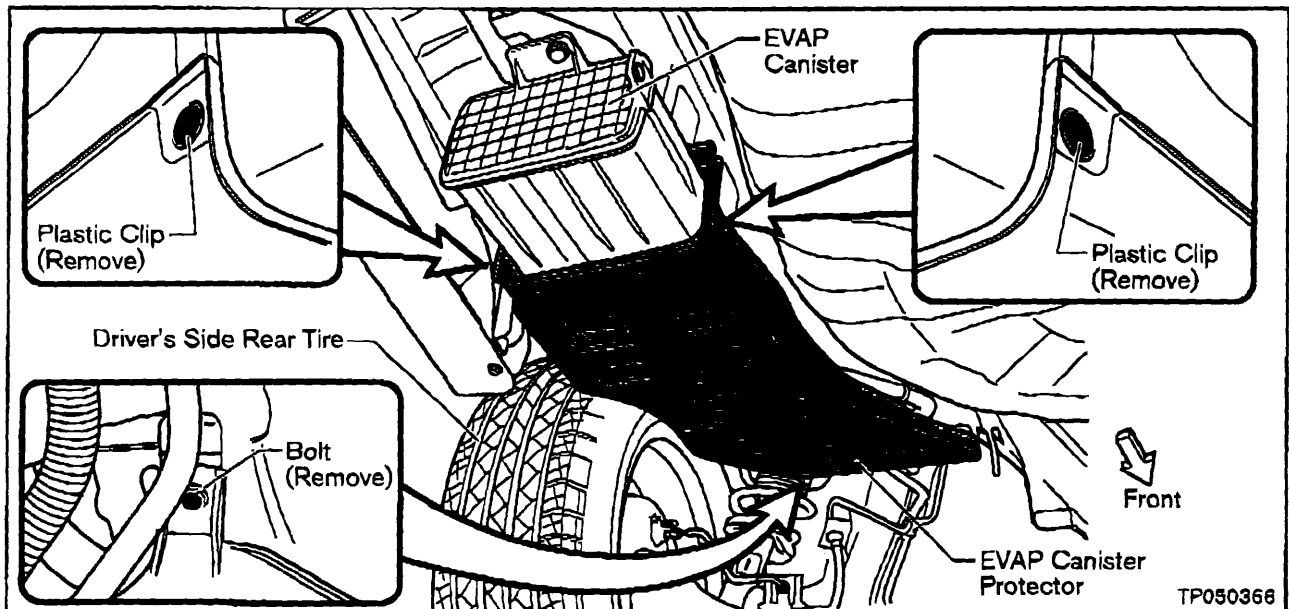


Figure 12

2. Disconnect the following from the EVAP Canister (refer to Figure 13):

- 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

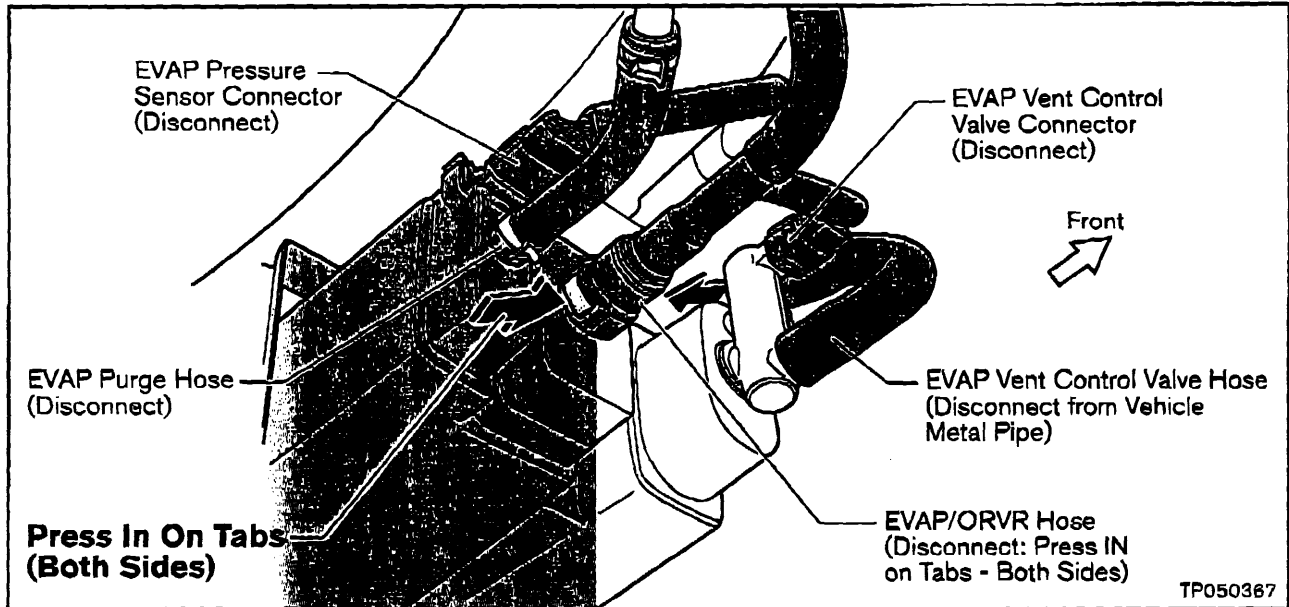


Figure 13

3. Remove one Bolt and slide the EVAP Canister rearward to remove it from the vehicle (see Figure 14).

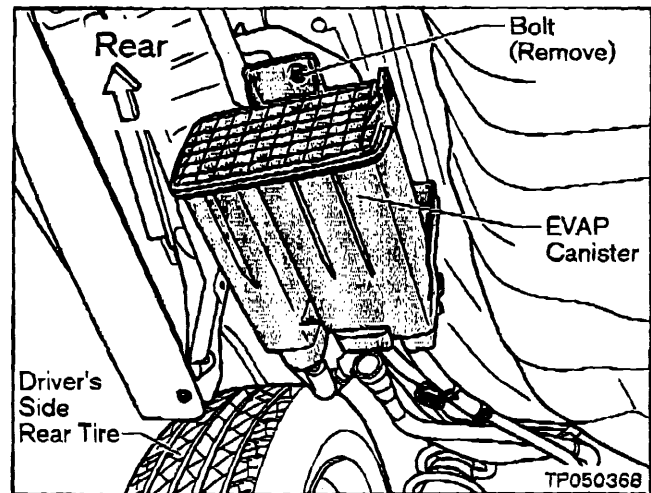


Figure 14

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 15).
 - Check for liquid fuel coming out of the open Ports.
 - If liquid fuel drips out of any of the open Ports, replace the EVAP Canister.
 - If NO liquid fuel drips out of the open Ports, re-install the EVAP Canister.

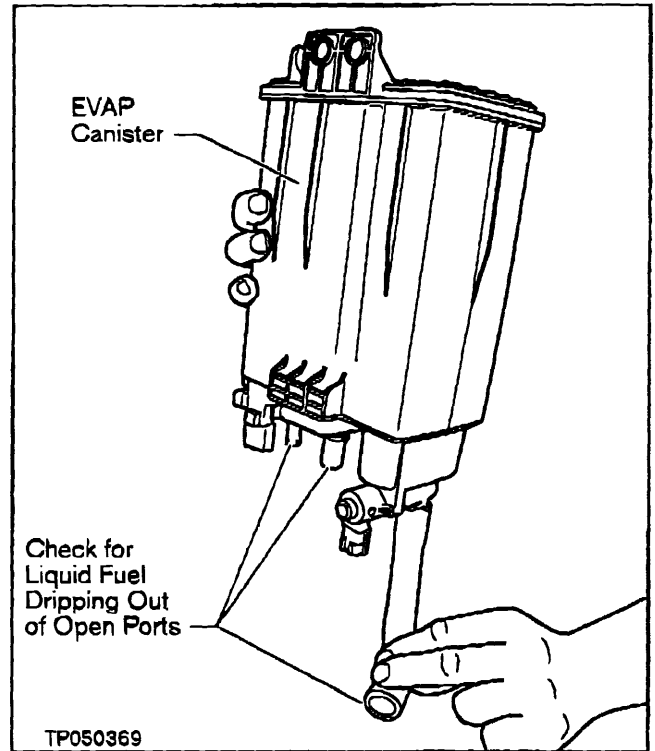
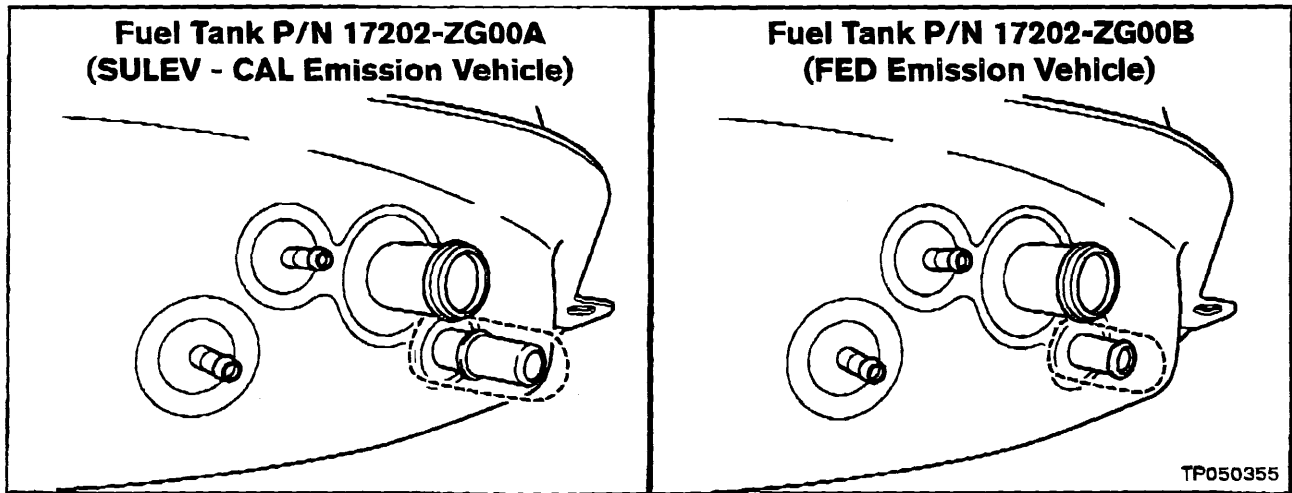


Figure 15

PARTS INFORMATION

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

* 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