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SERVICE BULLETIN

Classification:	Reference:	Date:
EC14-007c	NTB15-079c	November 30, 2016

2005-2015 FRONTIER; MIL ON WITH DTC P0448

This bulletin has been amended to add steps to apply EPT foam to seal the fuel filler pipe and other minor changes made throughout. Please discard previous versions of this bulletin.

APPLIED VEHICLES: 2005-2015 Frontier (D40)

APPLIED VIN: 2005-2014 **All**
2015 vehicles built before 1N6(*)D0(***)FN 752055

APPLIED DATE: Built before April 22, 2015

IF YOU CONFIRM:

The MIL is ON with DTC P0448 (EVAP canister vent control valve close) stored in the ECM.

ACTION:

1. Replace the EVAP canister (canister) and EVAP canister vent control valve (vent control valve).
2. Remove the canister filter.
3. Attach the EPT foam seal to new fuel filler pipe.
4. Replace the fuel filler pipe, canister drain hose, and fuel filler cap (on some model years).
5. Erase the DTC.

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.

SERVICE PROCEDURE

IMPORTANT: Follow all warnings, cautions, and notes in the ESM when working on or near a fuel system and EVAP system components, such as a fuel tank and vent control valve.

1. Remove the following parts from the vehicle:

   NOTE: The fuel tank must be no more than ¾ full or less to prevent spillage before removing the fuel filler tube.

   - Fuel filler pipe
   - Canister with vent control valve and EVAP control system pressure sensor (pressure sensor)
   - Canister drain hose(s) and filter (if equipped) that connect to the vent control valve

     ➢ If needed, refer to the Electronic Service Manual (ESM), sections **EC-Engine Control System** and **FL-Fuel System** (as it applies), for removal procedure.

     NOTE:

     - It is recommended to detach the grommet from the fuel filler pipe after detaching the fuel filler pipe from the vehicle. This makes it easier to remove the fuel filler pipe from the vehicle.
     - Cover the fuel tank's rubber filler hose with a clean shop rag or suitable covering once the fuel filler pipe has been detached from it.
     - The new canister drain hose (drain hose) replaces the drain hose(s) and filter (if equipped) that connect to the vent control valve. The existing drain hose(s) and filter are not reinstalled.

       NOTE: There is no need to remove the bracket or fitting to which the filter and drain hose mount and connect (see Figure 2).

Figure 1 and 2 shows long wheel base model. Short wheel base model similar.

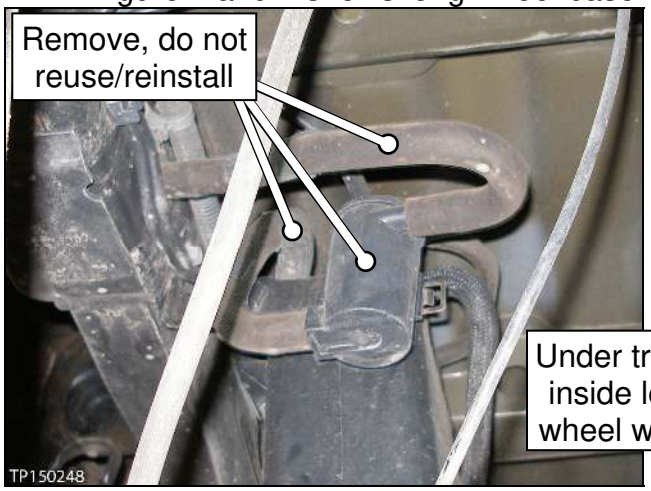


Figure 1

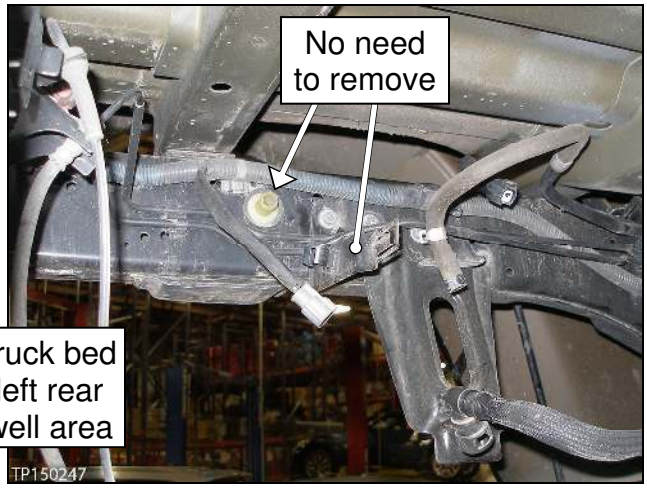


Figure 2

2. Wrap EPT foam (see Parts Information) around the top of the new fuel filler pipe where indicated in Figure 3 as follows:

   IMPORTANT: The EPT foam must completely seal the filler pipe drain when applied. Read steps 2a–2f before proceeding.

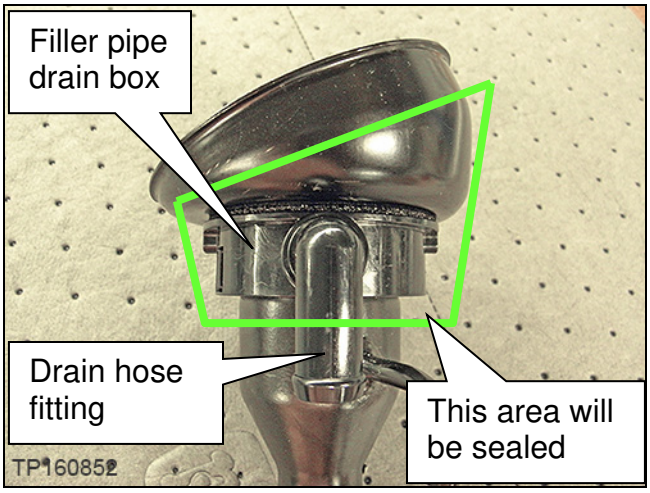


Figure 3

   a. Peel the self-adhesive protective sheet back several inches from the end of the EPT foam strip.

      NOTE: The EPT foam is the same on both ends.

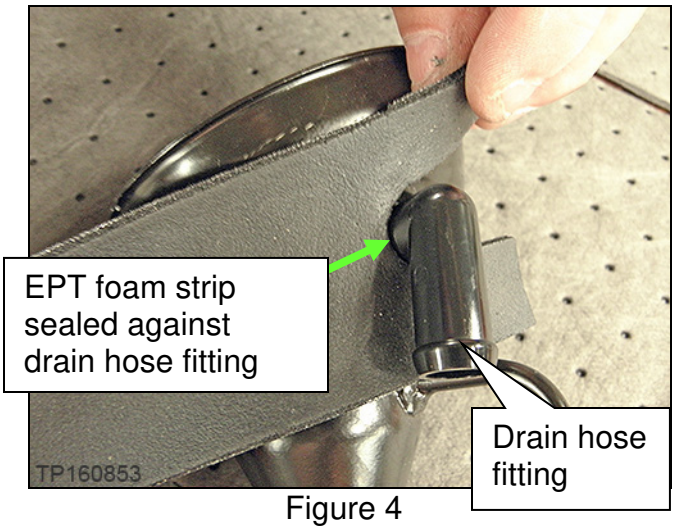


Figure 4

   b. Insert the EPT foam strip so it seals tightly against the drain hose fitting.

   c. Wrap the top of the EPT foam strip tightly around the drain hose fitting.

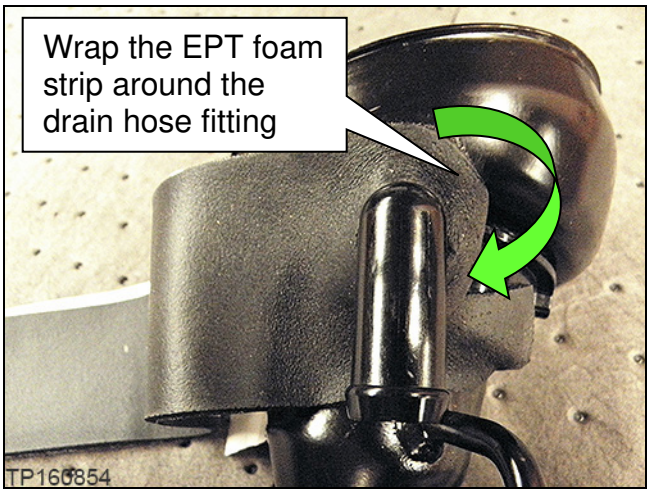


Figure 5

d. Peel the self-adhesive protective sheet and then wrap the EPT foam 360 degrees around the filler pipe drain box.

- Wrap the EPT foam so that its width extends above and below the fuel filler pipe drain box that is shown in Figure 3.

  NOTE: The EPT wrap will fit tightly around the top of the fuel filler pipe and the fuel filler pipe drain box; slack at the bottom will be removed in the next step.

- End the wrap with the EPT foam tightly sealed against the drain hose fitting.

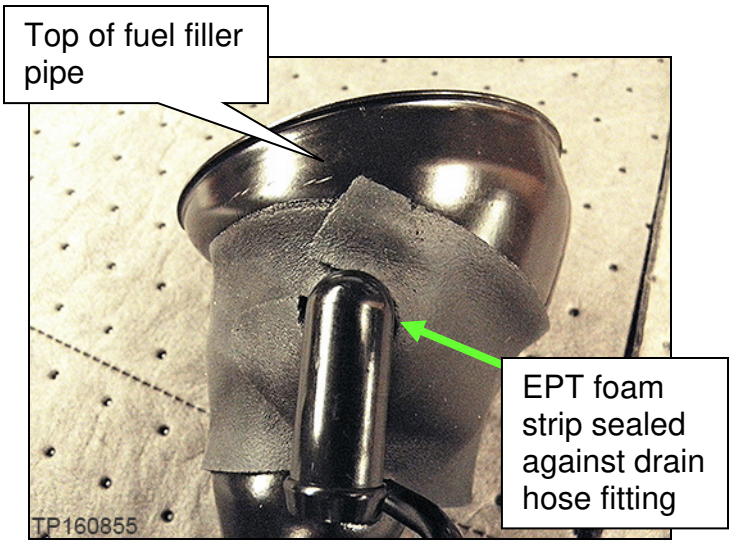


Figure 6

e. Press the EPT foam adhesive to the fuel filler pipe evenly; pushing the slack around to the opposite side.

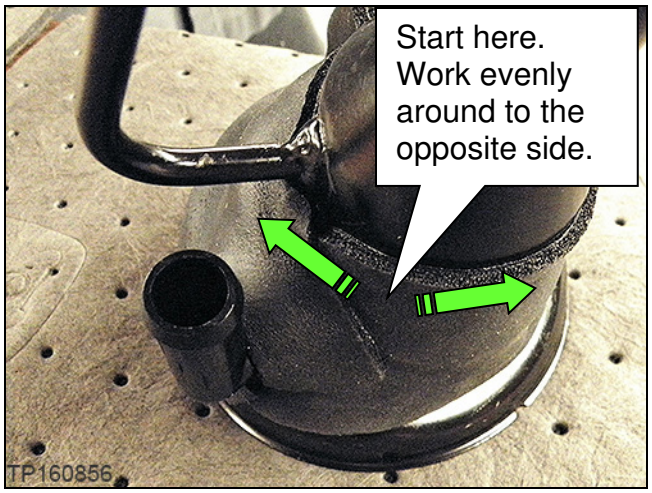


Figure 7

f. Close the excessive EPT foam by pinching the excess together as shown in Figure 8 and then press the remaining EPT adhesive to the fuel filler pipe.

IMPORTANT: The EPT foam must be completely sealed at the top, bottom and to the drain fitting. Confirm that no openings are present.

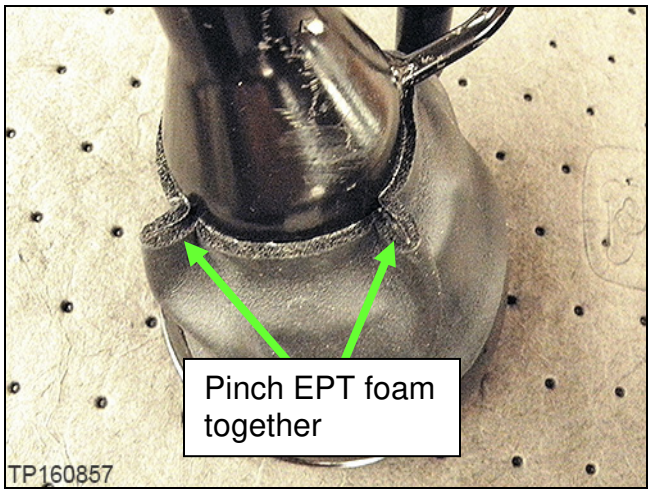


Figure 8

3. Install the new fuel filler pipe.

   - Before installing: Cover the fuel filler pipe opening (grommet end) with a clean shop rag or other suitable covering.

   - Refer to the ESM, section **FL-Fuel System**, for installation procedure.

   - Make sure the grommet is positioned as shown in Figure 9.

     NOTE: It is recommended to install the grommet to the body, and then the fuel filler pipe to the grommet.

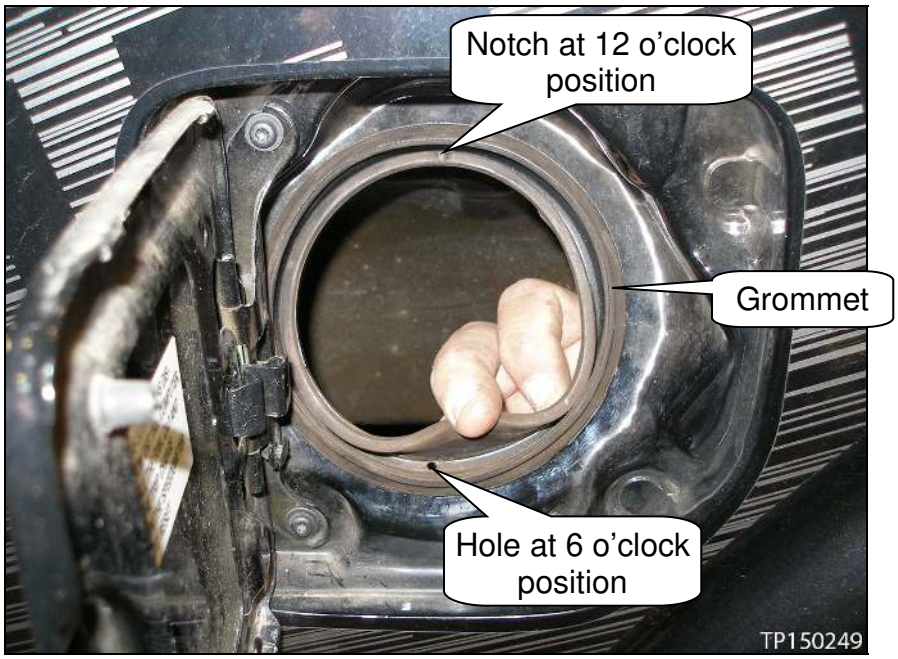


Figure 9

4. Connect and route the new drain hose to the fuel filler pipe (see Figure 10 and 11, as it applies).

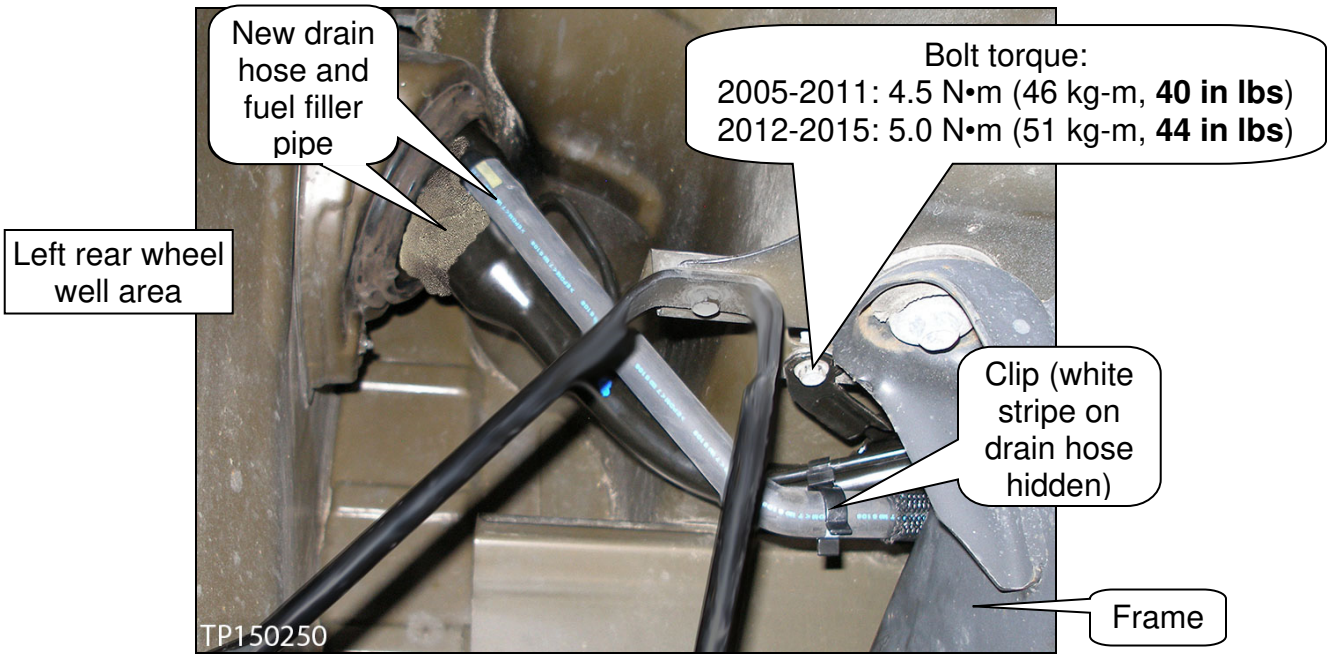


Figure 10: King Cab and long wheel base Crew Cab

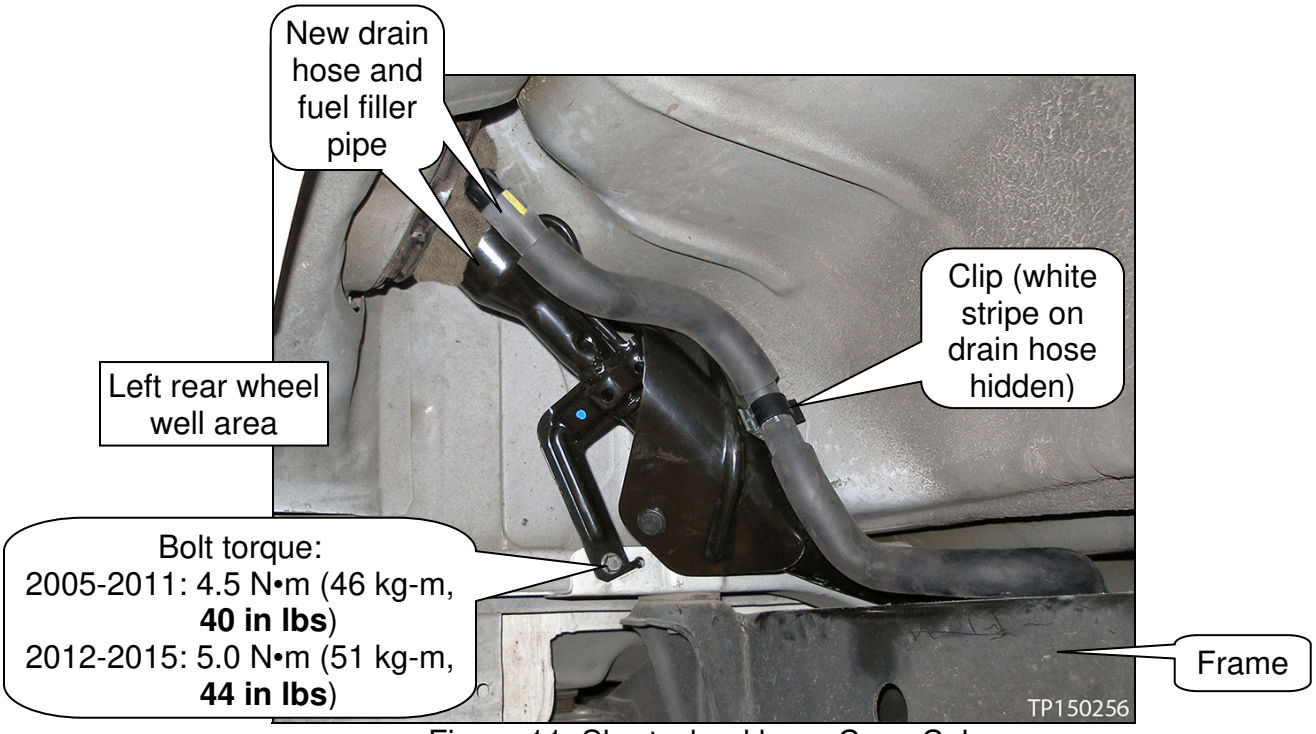


Figure 11: Short wheel base Crew Cab

5. Install a new vent control valve and a new pressure sensor on the new canister.
   - See **PARTS INFORMATION**.

6. Route the new drain hose and attach with clips as shown in Figure 12 and 13 (as it applies).

   - The clips are listed in **PARTS INFORMATION**.

     NOTE: The clips are to be placed on the white stripes (hidden) on the new hose, and to the existing hose and pipe going toward the engine.

   - Figure 12 and 13 are viewed while looking up under the vehicle bed.

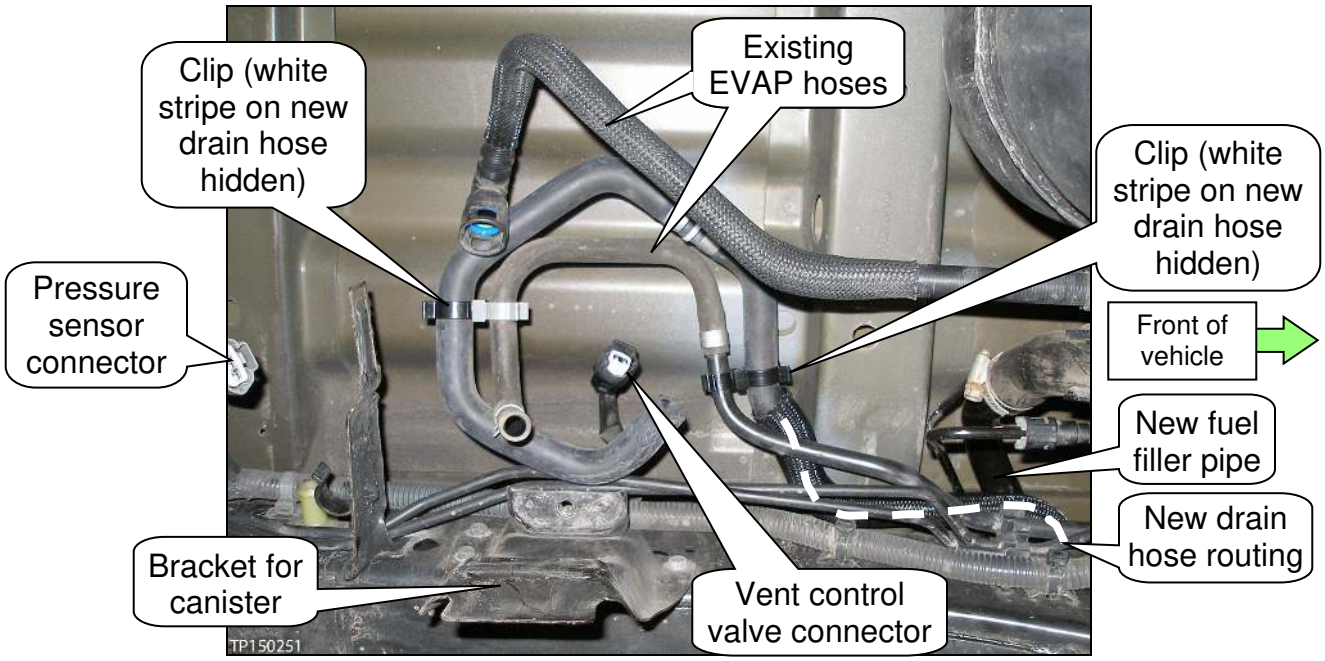


Figure 12: King Cab and long wheel base Crew Cab

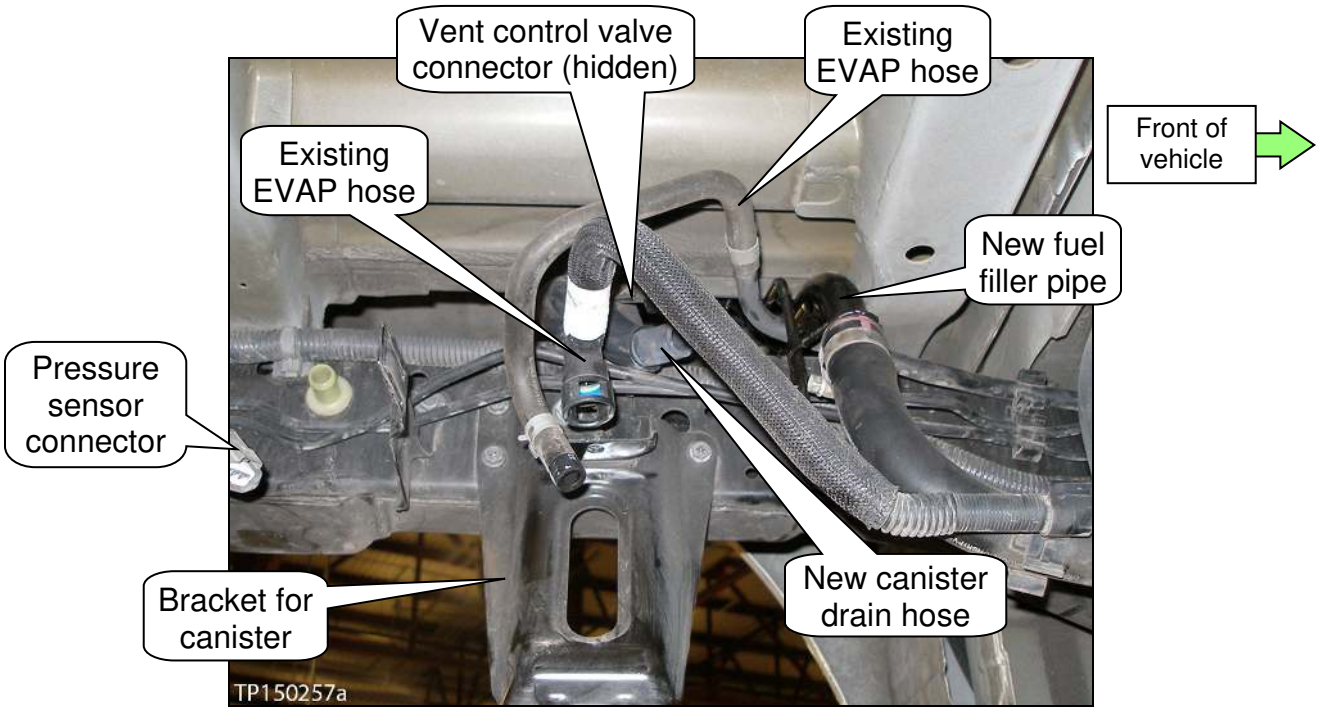


Figure 13: Short wheel base Crew Cab

7. Connect the following:
   - New drain hose to vent control valve
   - Harness connectors to vent control valve and pressure sensor
   - Two (2) existing EVAP hoses to canister
8. Install the canister in place.
   - Make sure the hoses and their clips are routed and placed correctly.
   - Canister bolt torque: 13.5 N•m (1.4 kg-m, **10 ft lbs**)



Figure 14: King Cab and long wheel base Crew Cab



Figure 15: Short wheel base Crew Cab

9. Install the tire/wheel assembly; wheel nut tightening torque: 133 N•m (14 kg-m, **98 ft-lb**).
10. 2011 and older vehicles: Replace the fuel filler cap with a new one (see **PARTS INFORMATION**).
11. Erase the DTC.

PARTS INFORMATION

MODEL	DESCRIPTION	PART NUMBER	QUANTITY
Long Wheel Base Crew Cab & King Cab	TUBE ASSY-FILLER (Fuel Filler Pipe)	17221-9B**F**0A	1
	HOSE-DRAIN, CANISTER	18791-9BF1A	1
	CAP ASSY-FILLER *	17251-9BD0E	1
	CLIP	24220-9FP0B	1
	CLIP	24220-9FP0C	1
	CLIP-HOSE	24220 9FP0D	1
Short Wheel Base Crew Cab	TUBE ASSY-FILLER (Fuel Filler Pipe)	17221-9B**G**0A	1
	HOSE-DRAIN, CANISTER	18791-9BG0A	1
	CAP ASSY-FILLER *	17251-ZZ62D	1
All	CANISTER ASSY E	14950-EA20B	1
	VALVE ASSY-CONTROL	14935-JF00B	1
	EVAP CONTROL SYSTEM PRESSURE SENSOR	22365-AM60A	1
	CLAMP	16439-7S000	1
	EPT FOAM	17295-EZ30C	1

* 2011 and older vehicles only.

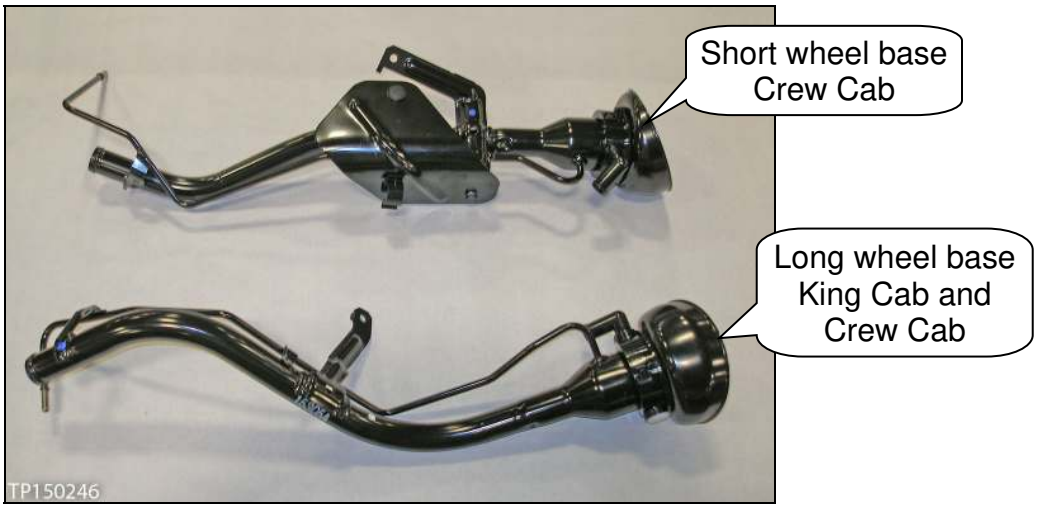


Figure 16

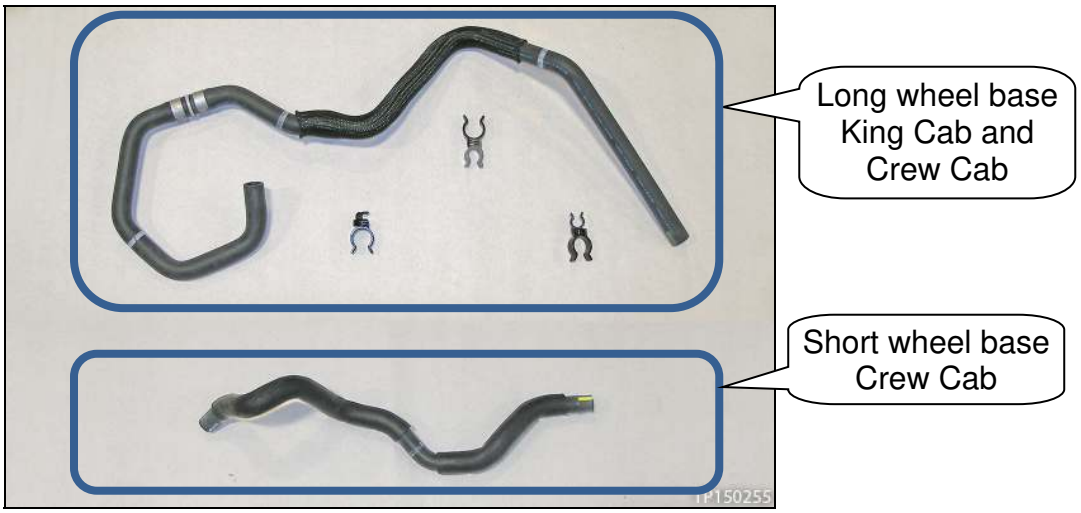


Figure 17

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
REPAIR FOR "MIL ON WITH DTC P0448"	(1)	FX51AA	HD	32	0.9

(1) Reference the Parts Information Table and use the TUBE ASSY-FILLER P/N as the PFP.
(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.