SERVICE BULLETIN

Classification:	Reference:	Date:
EC14-007F	NTB15-079F	January 12, 2022

MIL ON WITH DTC P0448

This bulletin has been amended. See AMENDMENT HISTORY on the last page.
Please discard previous versions of this bulletin.

APPLIED VEHICLES: 2005-2019 Frontier (D40)

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).
2. Remove the canister filter.
3. Replace the fuel filler pipe, canister drain hose, and fuel filler cap (on some model years).
4. 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.

SERVICE PROCEDURE

IMPORTANT: Follow all warnings, cautions, and notes in the Electronic Service Manual (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 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

     o If needed, refer to the ESM, sections **ENGINE > ENGINE CONTROL SYSTEM > REMOVAL AND INSTALLATION and ENGINE > FUEL SYSTEM > REMOVAL AND INSTALLATION** (as it applies), for removal procedures.

     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 to (Figure 2).

Figures 1 and 2 show the long wheel base model. The short wheel base model is similar.

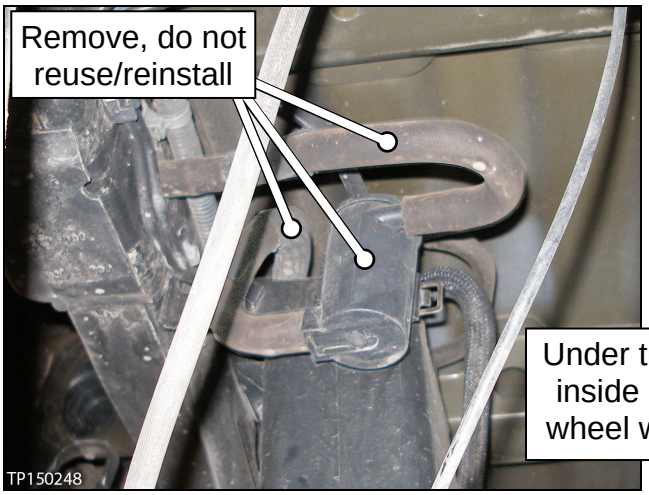

Figure 1

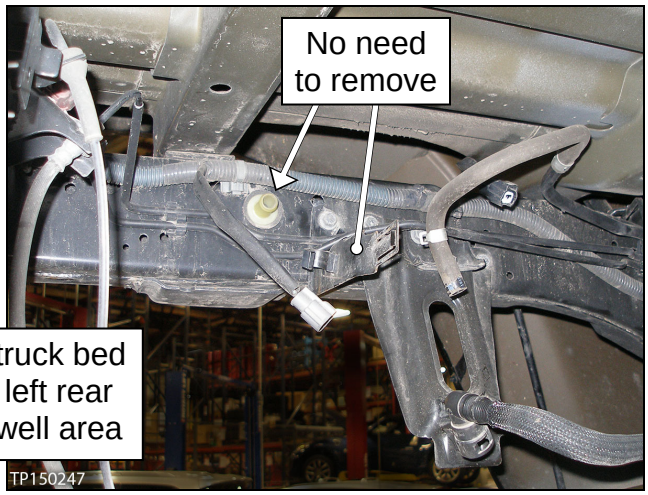

Figure 2

2. 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 **ENGINE > FUEL SYSTEM > REMOVAL AND INSTALLATION > FUEL TANK > Removal and Installation**, for the installation procedure.

   - Make sure the grommet is positioned, as shown in Figure 3.

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

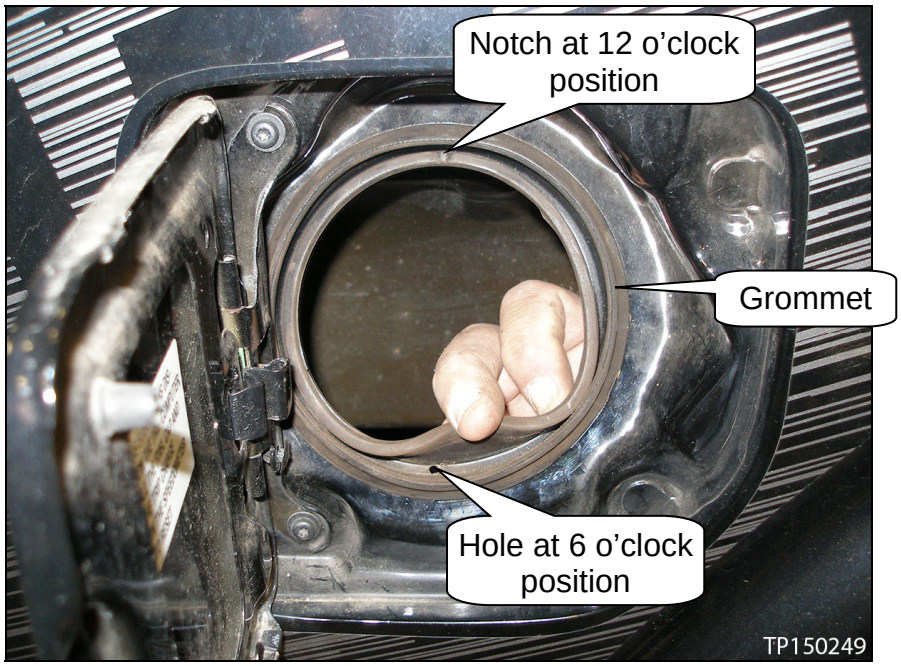

Figure 3

3. Connect and route the new drain hose to the fuel filler pipe (Figures 4 and 5, as they apply).

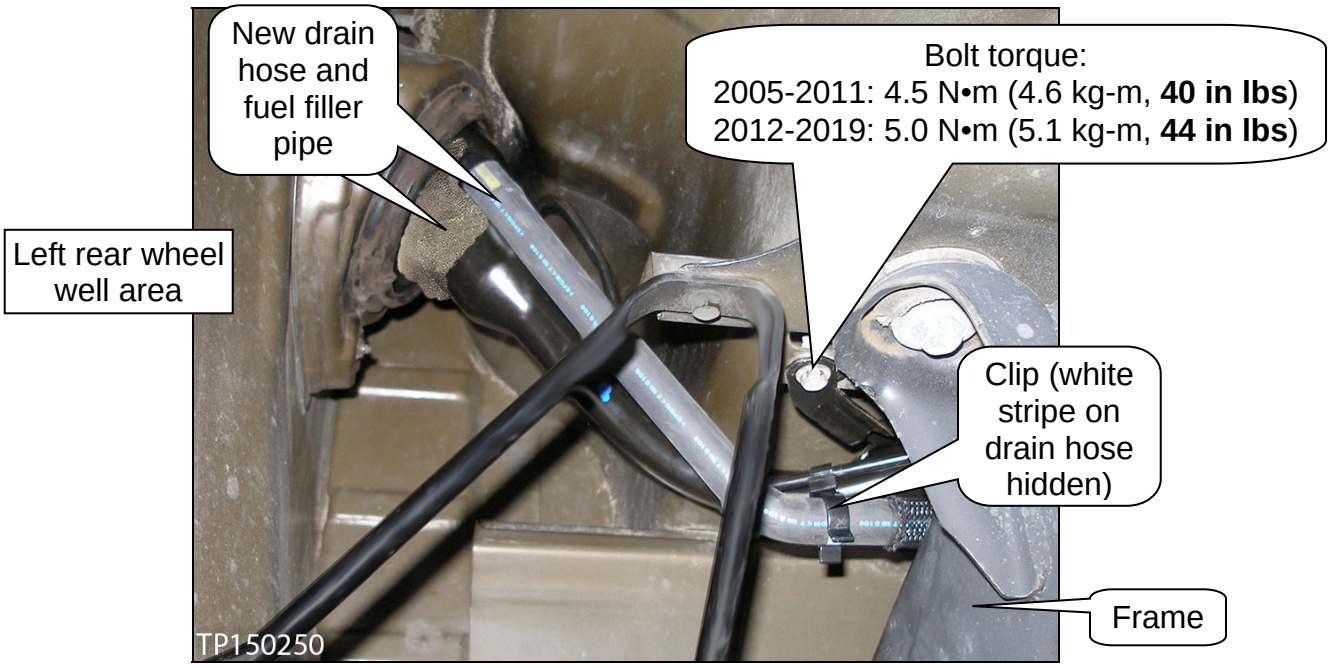

Figure 4: King Cab and long wheel base Crew Cab

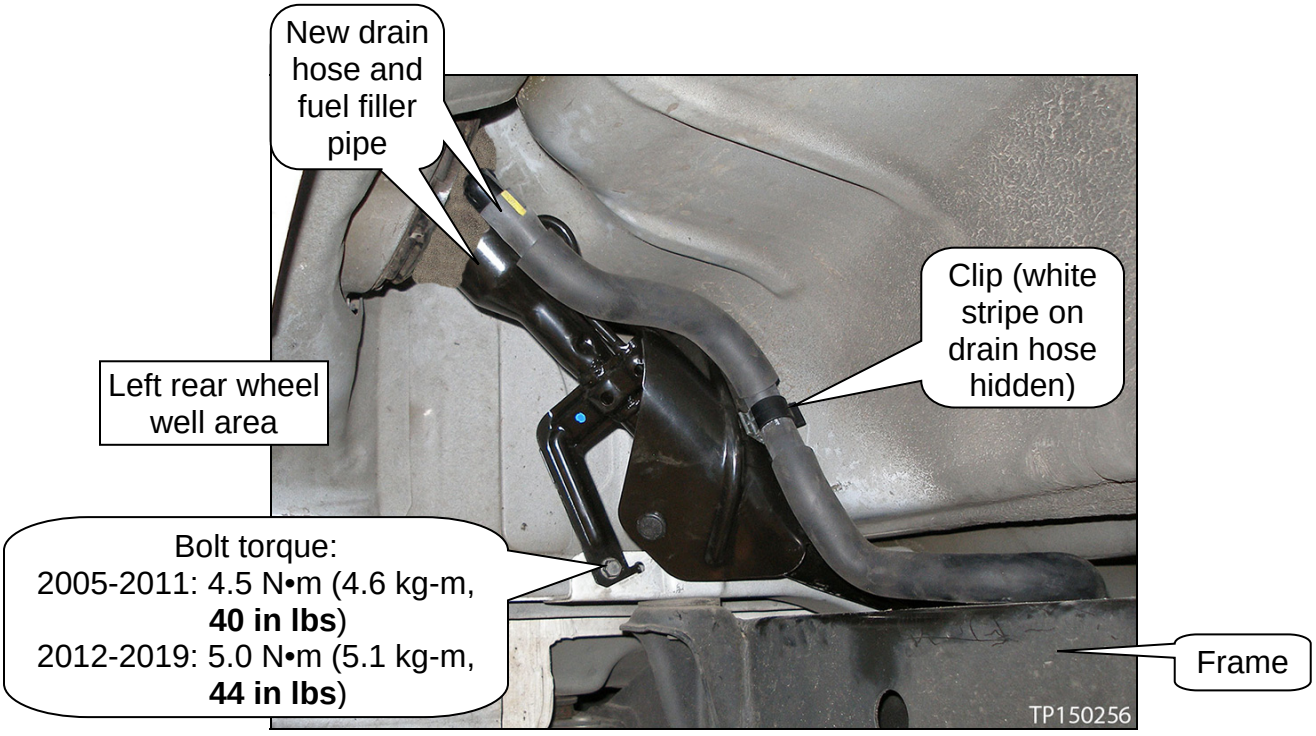

Figure 5: Short wheel base Crew Cab

4. Reinstall the original vent control valve and pressure sensor on the new canister.

5. Route the new drain hose and attach with clips as shown in Figures 6 and 7 (as they apply).

   - The clips are listed in **PARTS INFORMATION** on page 7.

     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.

   - Figures 6 and 7 are viewed while looking up under the vehicle bed.

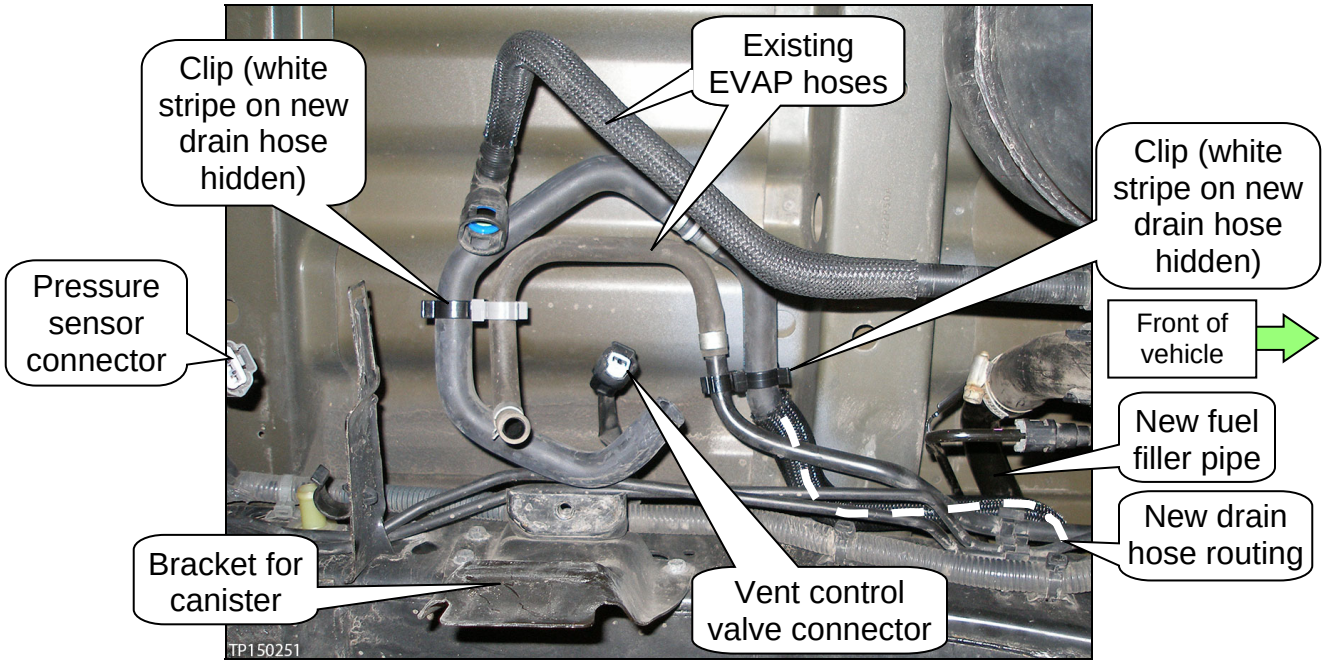

Figure 6: King Cab and long wheel base Crew Cab

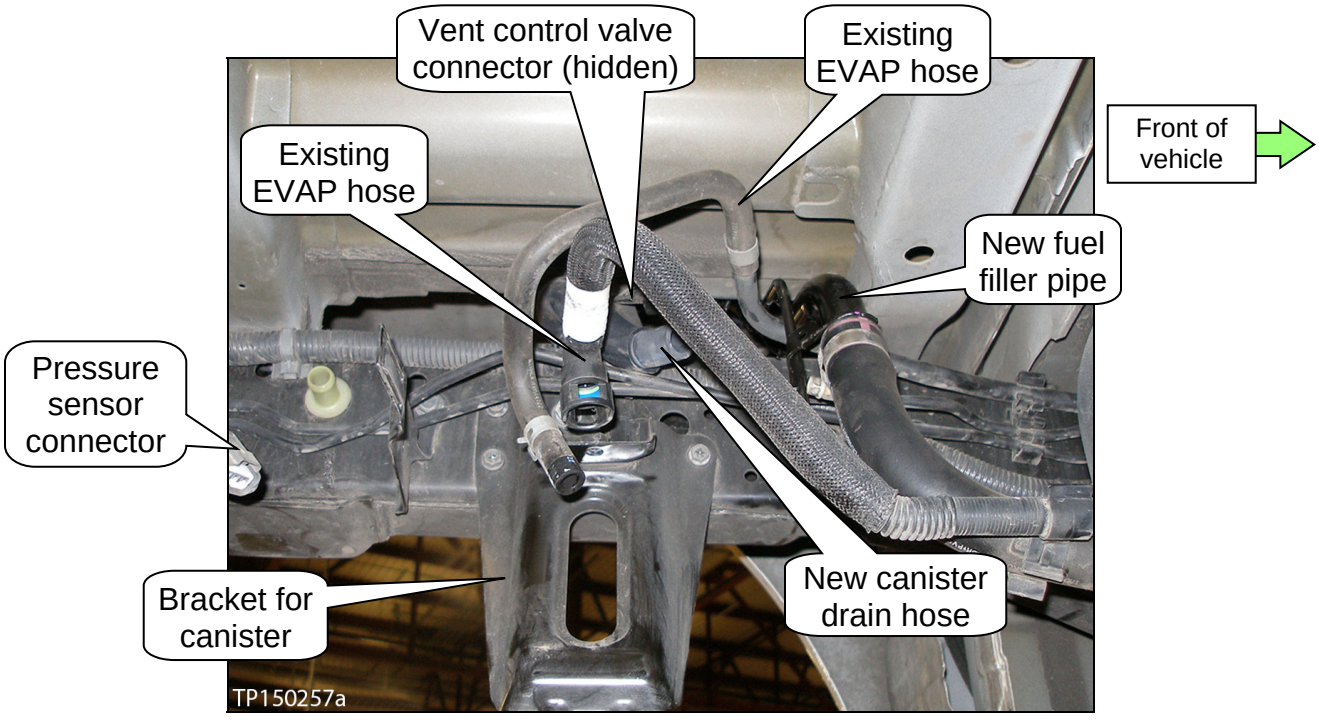

Figure 7: Short wheel base Crew Cab

6. 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
7. Install the canister in place.
   - Make sure the hoses and their clips are routed and placed correctly.
   - Canister bolt torque: 13.6 N•m (1.4 kg-m, **10 ft lbs**)

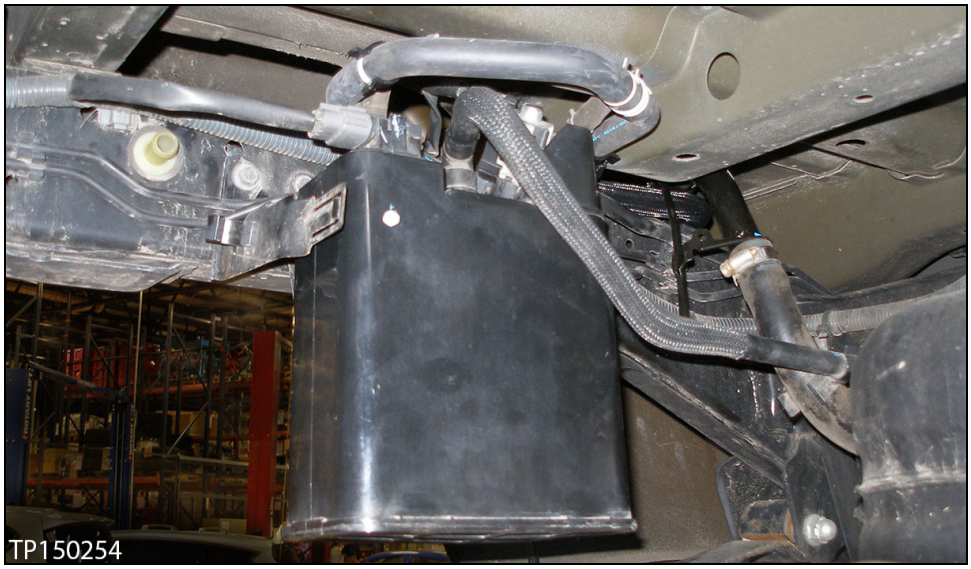

Figure 8: King Cab and long wheel base Crew Cab

Figure 9: Short wheel base Crew Cab

8. Install the tire/wheel assembly. Wheel nut tightening torque: 133 N•m (14 kg-m, **98 ft-lb**).
9. <u>2011 and older vehicles:</u> Replace the fuel filler cap with a new one (see **PARTS INFORMATION** on page 7).
10. Erase the DTC.

PARTS INFORMATION

GRADE	DESCRIPTION	PART NUMBER	QUANTITY
Short Wheel Base Crew Cab	Filler Tube	17221-9BG0B	1
	Canister Drain Hose	18791-9BG0A	1
	CAP ASSY-FILLER *	17251-ZZ62D	1
Long Wheel Base Crew Cab & King Cab	Filler Tube	17221-9BF0B	1
	Canister Drain Hose	8791-9BF1A	1
	CAP ASSY-FILLER *	17251-9BD0E	1
	Clip	24220-9FP0B	1
	Clip	24220-9FP0C	1
All	Canister	14950-EA20B	1

* 2011 and older vehicles only.

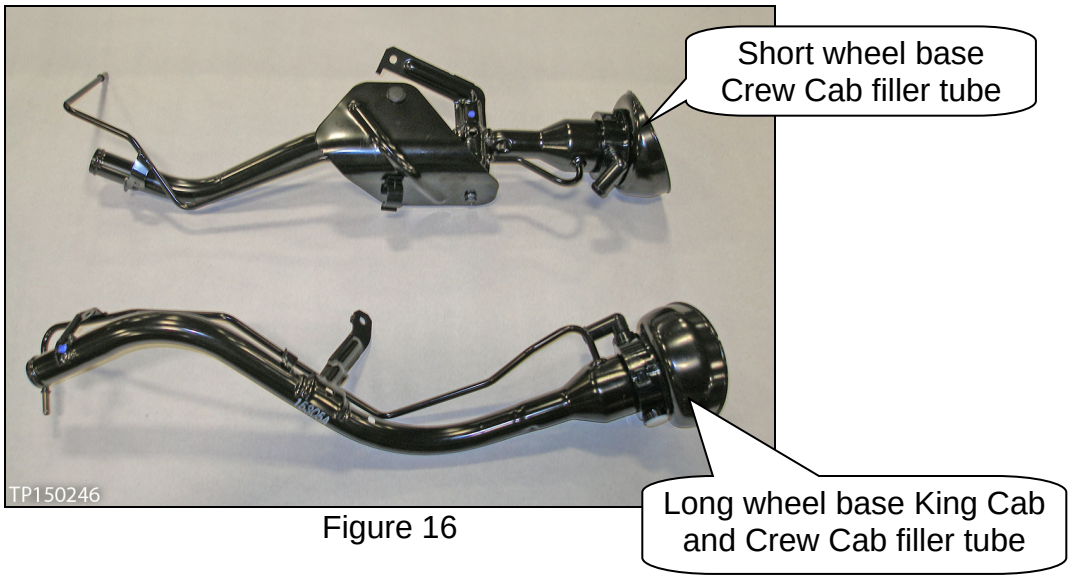

Figure 16

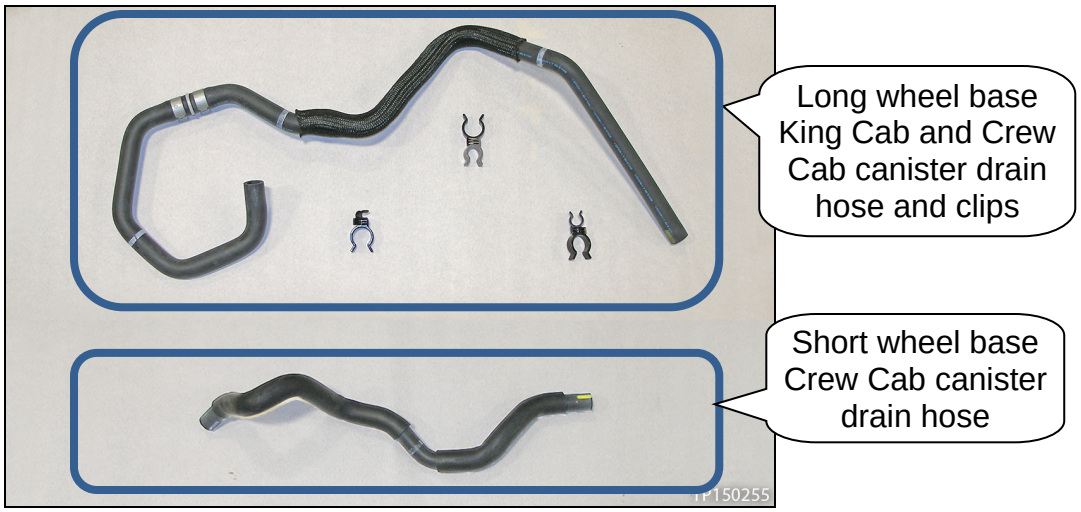

Figure 17

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.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
September 18, 2015	NTB15-079	Original bulletin published
February 19, 2016	NTB15-079a	Bulletin cancelled
N/A	NTB15-079b	No changes made. Bulletin not published
November 30, 2016	NTB15-079c	Steps added to apply EPT foam to seal the fuel filler pipe, and minor changes made throughout
February 4, 2019	NTB15-079d	APPLIED VEHICLES section revised
April 24, 2020	NTB15-079e	References to vent control valve and pressure sensor replacement removed from page 1, page 5 and PARTS INFORMATION
January 12, 2022	NTB15-079F	Changes made throughout