

**Classification:**

EC13-015J

**Reference:**

ITB13-044J

**Date:**

February 7, 2022

## EVAP LEAK DTC P0442, P0455, P0456 INFORMATION

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

**APPLIED VEHICLES:** All 2012 and newer Infiniti vehicles

### SERVICE INFORMATION

All APPLIED VEHICLES have a warning indicator in the instrument area to alert the driver of a loose fuel filler cap (see Figure 1 example).

- If a vehicle displays a loose fuel filler cap warning light or message, the driver should safely stop the vehicle and make sure the fuel filler cap is installed correctly.
- Make sure the client is informed of the proper fuel filler cap installation.
- Clients should refer to their vehicle Owner's Manual for specific details on the "LOOSE FUEL CAP" warning system and fuel filler cap installation.

Example

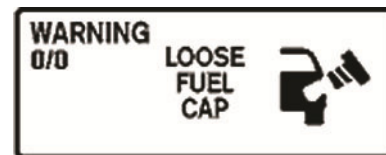


Figure 1

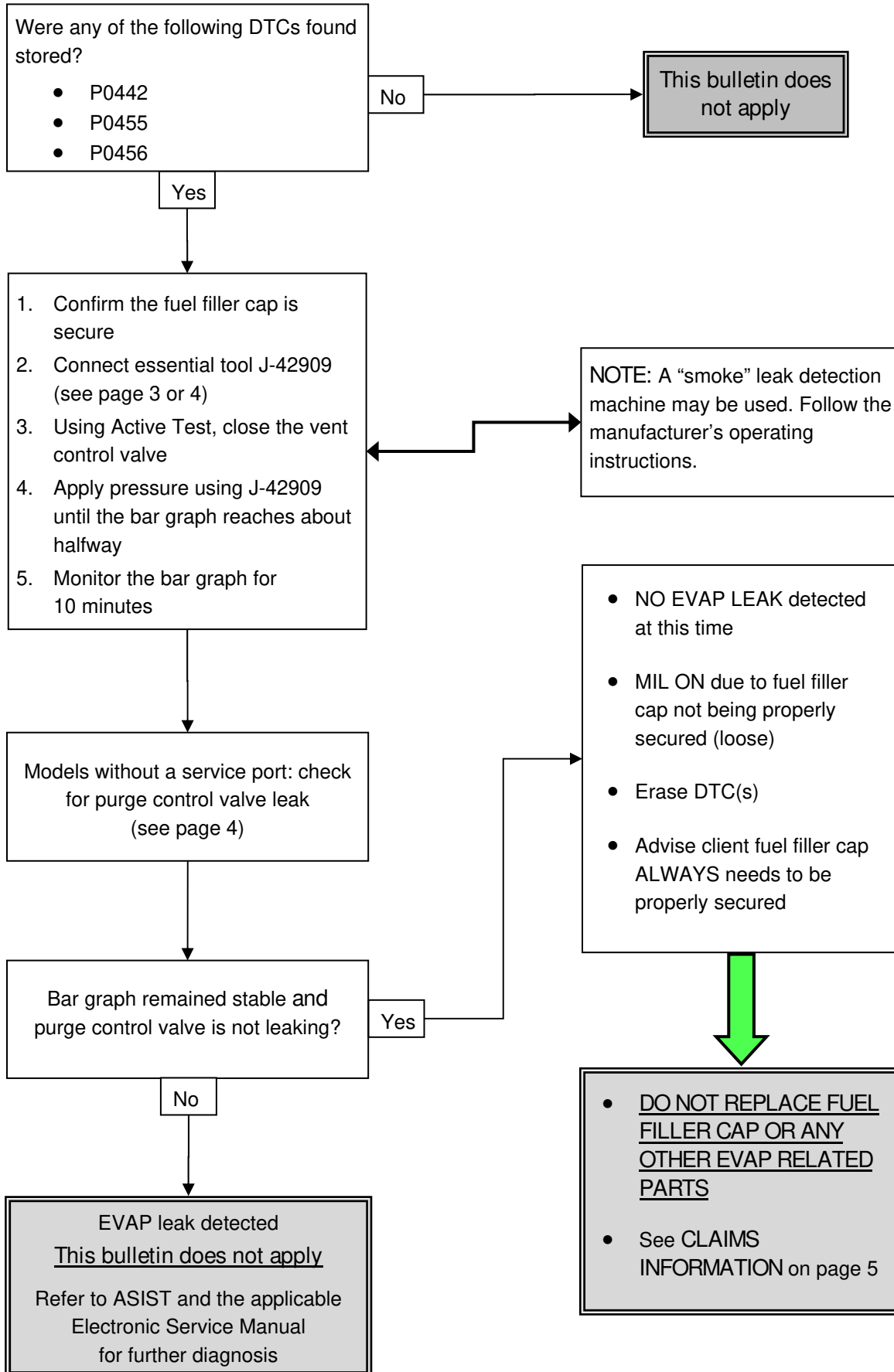
If a fuel filler cap is left loose for multiple trips, DTCs will be stored and the MIL will illuminate.

- A loose fuel filler cap may be the cause if one or more of these EVAP leak DTCs are stored: P0442, P0455, P0456.
- If P0442, P0455, and/or P0456 is found stored, begin vehicle EVAP system diagnosis using the FLOW CHART on the next page.
  - A test drive is not part of the DTC confirmation or diagnostic procedures for these DTCs.
  - Test-driving the vehicle for these DTCs will only waste time.
  - The diagnostic procedure in this bulletin must be used for these DTCs for an effective repair.

**NOTE:** Any parts replaced under warranty for repair of these DTCs are on automatic parts return to NNA for inspection. Any part found to be functional will cause a charge-back to the retailer.

Infiniti 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 Infiniti retailer to determine if this applies to your vehicle.

## FLOW CHART



Models with a Service Port  
(2017 and older, except QX30)

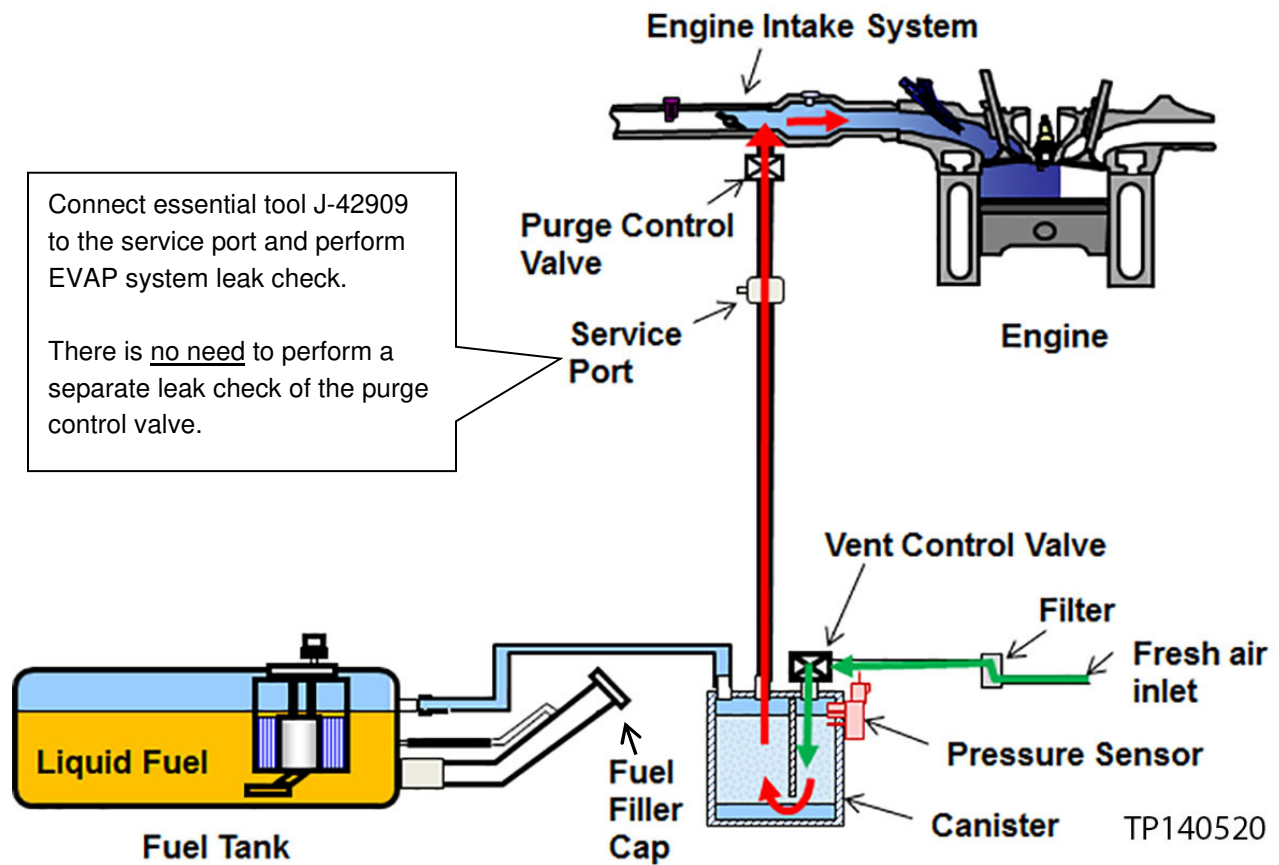


Figure 2

### EVAP System Basic Operation

- Fuel vapor flows from fuel tank into canister (light blue area)
- Vapor flows from canister through purge control valve (red line)
- Fresh air flows into canister (green line)

Models without a Service Port  
(2018 and Newer, and all QX30)

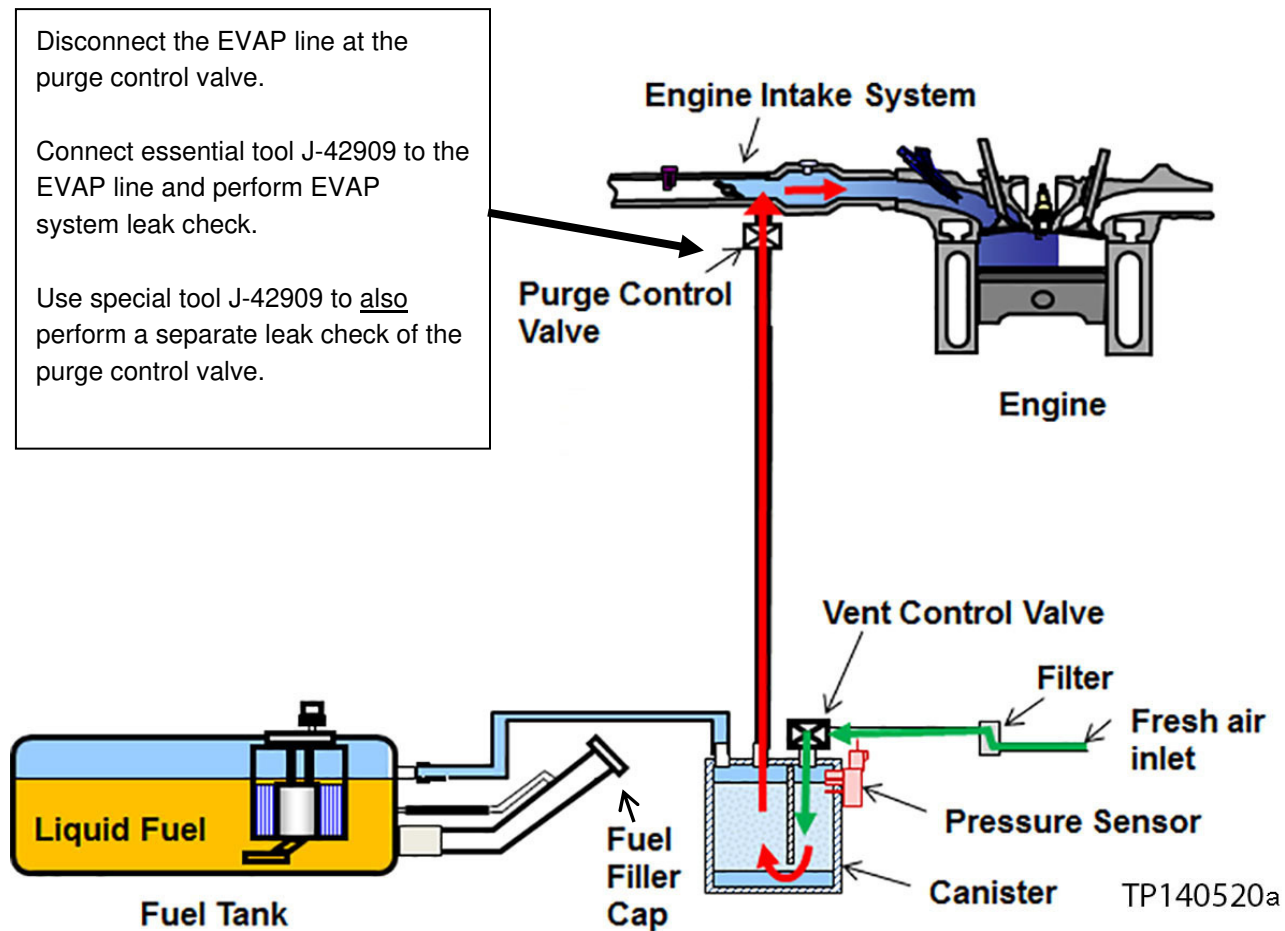


Figure 3

### EVAP System Basic Operation

- Fuel vapor flows from fuel tank into canister (light blue area)
- Vapor flows from canister through purge control valve (red line)
- Fresh air flows into canister (green line)

## CLAIMS INFORMATION

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

| DESCRIPTION           | PFP | OP CODE | SYM | DIA | FRT |
|-----------------------|-----|---------|-----|-----|-----|
| EVAP System Leak Test | (1) | FX47AA  | ZE  | 32  | 0.4 |

- (1) Refer to the electronic parts catalog and use the Fuel Cap part number (17251-xxxxx) as the primary failed part.

## AMENDMENT HISTORY

| DATE               | REFERENCE  | DESCRIPTION                                                                                                                   |
|--------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|
| November 15, 2013  | ITB13-044  | Original bulletin published                                                                                                   |
| September 16, 2014 | ITB13-044A | SERVICE INFORMATION and CLAIMS INFORMATION revised, and publication date updated to include the latest models and model years |
| May 29, 2015       | ITB13-044B | Publication date updated to include the latest models and model years                                                         |
| February 4, 2016   | ITB13-044C | SERVICE INFORMATION and FLOW CHART revised, and publication date updated to include the latest models and model years         |
| August 4, 2016     | ITB13-044D | Publication date updated to include the latest models and model years                                                         |
| March 30, 2017     | ITB13-044E | Publication date updated to include the latest models and model years                                                         |
| August 15, 2018    | ITB13-044F | SERVICE PROCEDURE revised, and publication date updated to include the latest models and model years                          |
| January 29, 2019   | ITB13-044G | Publication date updated to include the latest models and model years                                                         |
| November 30, 2020  | ITB13-044H | Publication date updated to include the latest models and model years                                                         |
| March 1, 2021      | ITB13-044I | Publication date updated to include the latest models and model years                                                         |
| February 7, 2022   | ITB13-044J | Publication date updated to include the latest models and model years                                                         |