

TECHNICAL SERVICE BULLETIN

Classification:

EC25-019

Reference:

ITB26-002

Date:

February 2, 2026

FUEL FILLER TUBE LOWER SEAL IS LEAKING AND DTC P0456 IS STORED IN THE ECM

APPLIED VEHICLES: 2022-2026 QX60 (L51)

2025-2026 QX80 (Z63)

APPLIED SYSTEMS: All model years with a capless fuel filler. This bulletin does not apply to vehicles with a fuel cap.

IF YOU CONFIRM

The vehicle has a visible leak with a smoke machine test coming from the fuel filler tube lower seal,

AND

DTC P0456 is stored as “Active”, “Past”, or “Pending” in the ECM.

ACTION

1. Remove the supplied funnel from the rear of the vehicle or trunk.
2. Insert the funnel completely in the fuel filler tube and remove completely five (5) times.
3. Re-check the fuel filler tube lower seal with a smoke machine to determine visually if any leak is present.
4. If the fuel filler lower seal continues to leak, replace the fuel filler tube.

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** as it contains information that is essential to successfully completing this repair.

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.

REQUIRED SPECIAL TOOLS

- Dual Purpose Diagnostic Leak Locator - RLD95-0139 (smoke machine)



Figure 1

- Dual Purpose Diagnostic Leak Locator was previously shipped as an essential tool.
- Damaged or missing components can be replaced by calling Tech•Mate at 833-397-3493.

SERVICE PROCEDURE

⚠ WARNING

To avoid risk of severe personal injury or death, follow all cautions, warnings, and notes in the ESM when working on or near a fuel system.

1. Remove the supplied funnel from the rear of the vehicle or trunk (Figure 2 and Figure 3).



Figure 2



Figure 3

2. Insert the funnel completely in the fuel filler tube and remove completely five (5) times.

HINT: The funnel must be inserted and removed completely to open and close the lower seal inside the fuel filler tube (Figure 5).

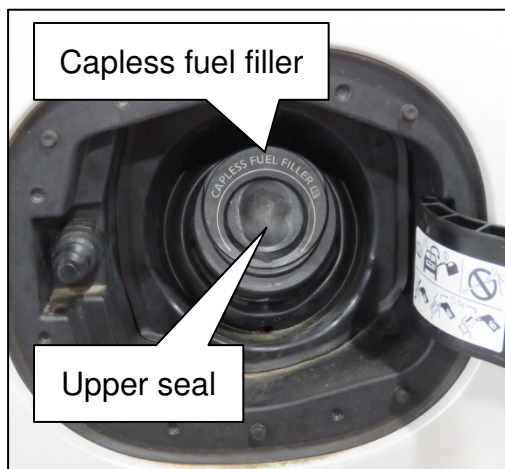


Figure 4

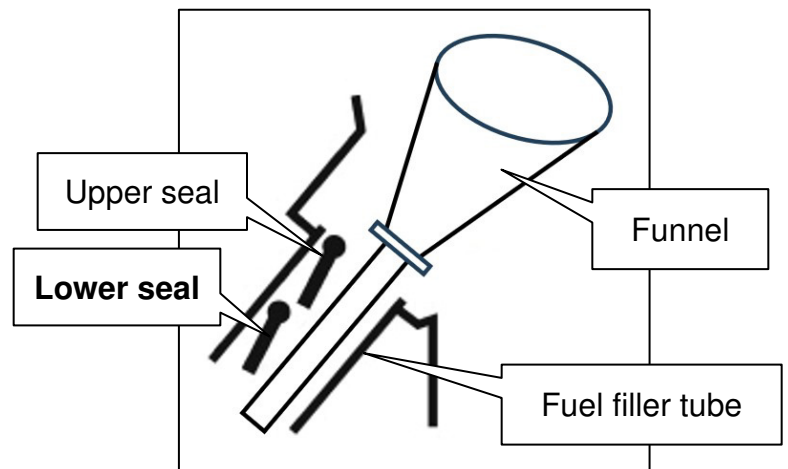


Figure 5

3. Re-check the fuel filler tube lower seal (Figure 5 on page 3) for leaks with the smoke machine to determine visually if any leak is present from the lower seal.
 - a. Remove the engine cover and locate the purge control solenoid in the engine compartment (Figure 6).
 - b. Disconnect the hose from the purge control solenoid (Figure 6) that goes to the fuel tank to allow access for the smoke machine.
 - c. Insert the smoke machine port into the hose that was just disconnected.
 - d. Turn on the smoke machine to fill the system with smoke.
 - e. Check for smoke leaking from the fuel filler tube with a bright light (Figure 7).

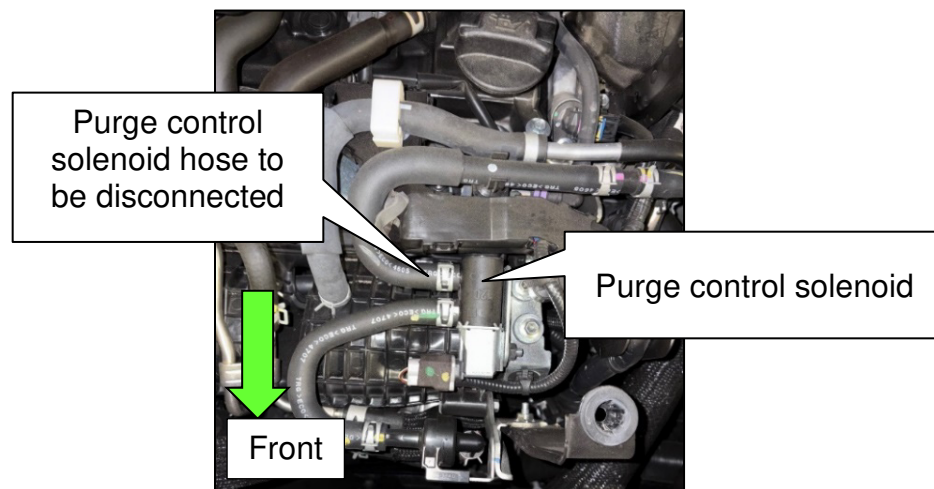


Figure 6



Figure 7

- If no leak is present, the procedure is complete, and no further action is needed.
- If the fuel filler tube continues to leak at the lower seal, replace the fuel filler tube.
 - QX60 and QX80 - Refer to the ESM: **ENGINE > FUEL SYSTEM > REMOVAL AND INSTALLATION > FUEL TANK > Exploded View / Removal and Installation**

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
TUBE ASSY – FILLER (Fuel Filler Tube)	(1)	1

- (1) Refer to the EPC and use the VIN to determine the correct part number for the TUBE ASSY – FILLER (17221-xxxxx).

CLAIMS INFORMATION

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

DESCRIPTION	MODEL	PFP	OP CODE	SYM	DIA	FRT
Funnel Insertion and Smoke Check	QX60 (L51)	(1)	FX73AA	ZE	53	1.2
	QX80 (Z63)		FX75AA			1.7

- (1) Reference the electronic parts catalog and use the Fuel Filler Tube Assy (17221-*****) as the Primary Failed Part (**PFP**).

If needed and on the same line

DESCRIPTION	OP CODE	SYM	DIA	FRT
Replace Fuel Filler Tube	FB30AA	ZE	53	(2)

- (2) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time (**FRT**).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
February 2, 2026	ITB26-002	Original bulletin published