

**Classification:**

EL12-073b

**Reference:**

ITB12-075b

**Date:**

February 6, 2014

**SB-10048359-2264****2009-2013 FX; FUEL GAUGE READS "EMPTY" AFTER FILLING TANK**

This bulletin has been amended in the APPLIED VEHICLES section only. No other changes have been made. Please discard all previous versions of this bulletin.

**APPLIED VEHICLES:** 2009 - 2013 FX35 and FX50 (S51)**APPLIED VINs and****DATES:** Vehicles built before: JN8CS1MW(\*)DM 173541 and December 19, 2012  
JN8CS1MU(\*)DM 141609 and December 19, 2012  
JN8BS1MW(\*)DM 100235 and December 19, 2012  
JN8BS1MW(\*)DM 100266 and February 8, 2013**IF YOU CONFIRM:**

An applied vehicle has a fuel gauge that registers "empty" after the fuel tank has been filled up full.

**ACTION:**

1. Remove the main fuel level sensor unit, fuel filter, and fuel pump assembly (fuel pump module).
2. Install two (2) new springs onto the fuel pump module.
3. Install the fuel pump module into the vehicle.
  - For repairs, refer to **SERVICE PROCEDURE**.

**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 the repair.

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 dealer to determine if this applies to your vehicle.

## SERVICE PROCEDURE

**NOTE:** Perform all repairs in a clean work environment.

1. Remove the fuel pump module from the vehicle.
  - Refer to the **B ENGINE> FL Fuel System** section of the Electronic Service Manual (ESM), if needed.

2. Remove the spring as follows:

- a. Remove the wires from the retention feature (see Figure 1).

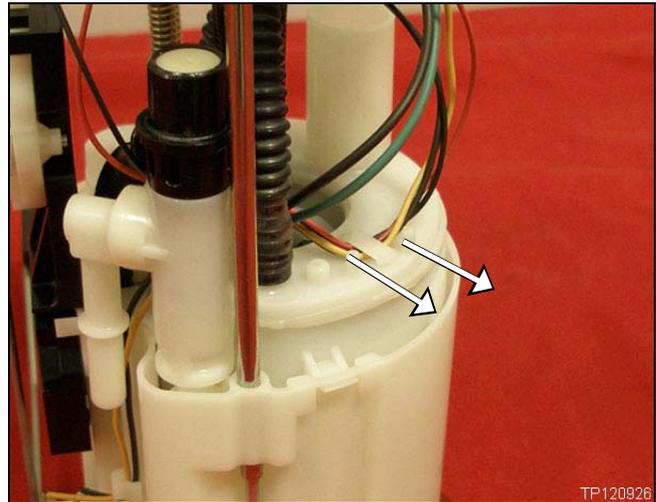


Figure 1

- b. Push down on the top of the fuel pump module, and then remove the clip from the spring loaded rod with a suitable tool (see Figure 2).

**NOTE:** There is only one clip.

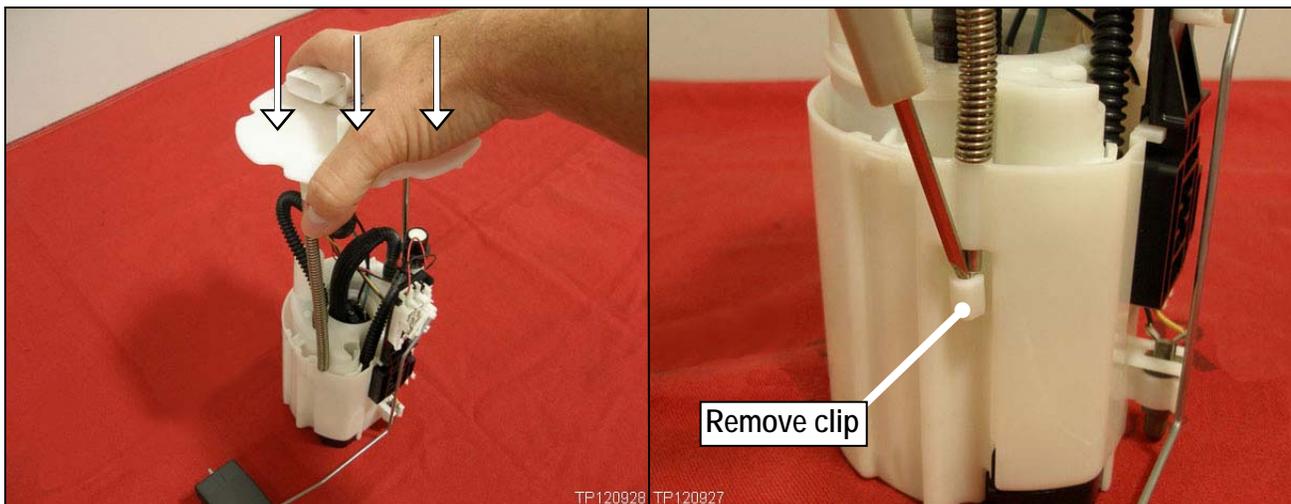


Figure 2

- c. Raise the top of the fuel pump module until the rods pull out completely (see Figure 3).

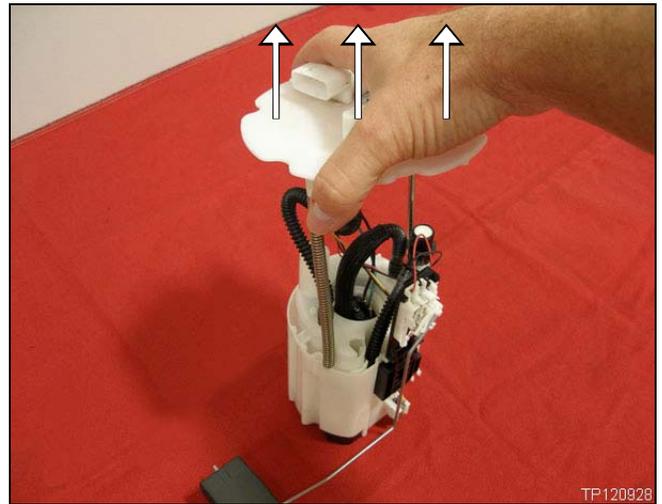


Figure 3

- d. Remove the spring (see Figure 4).
- Do NOT reuse this spring. Discard it.

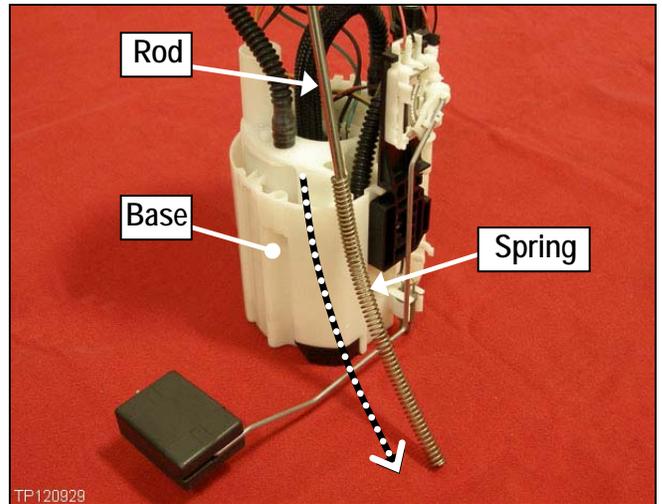


Figure 4

3. Install two (2) new springs (see **PARTS INFORMATION**), one on each rod.  
**NOTE:** New springs are identified with green coloring.
4. With the new springs installed, insert the rods into the holes of the fuel pump module base.
5. Reinstall the clip at its original location, nearest to the float (see next page, Figure 5).
  - Replace the clip if broken or damaged with the one listed in **PARTS INFORMATION**.
  - To access where the clip mounts to the rod, push down on the top of the fuel pump module.
  - Make sure the top of the fuel pump module does not bind when moved up and down.
6. Reposition the wires under the retention feature.
  - The "green" and "black" wires do NOT go under the retention feature.
7. Install the fuel pump module in the fuel tank.
  - Refer to the **B ENGINE> FL Fuel System** section of the ESM, if needed.
8. Verify the fuel gauge reads correctly.

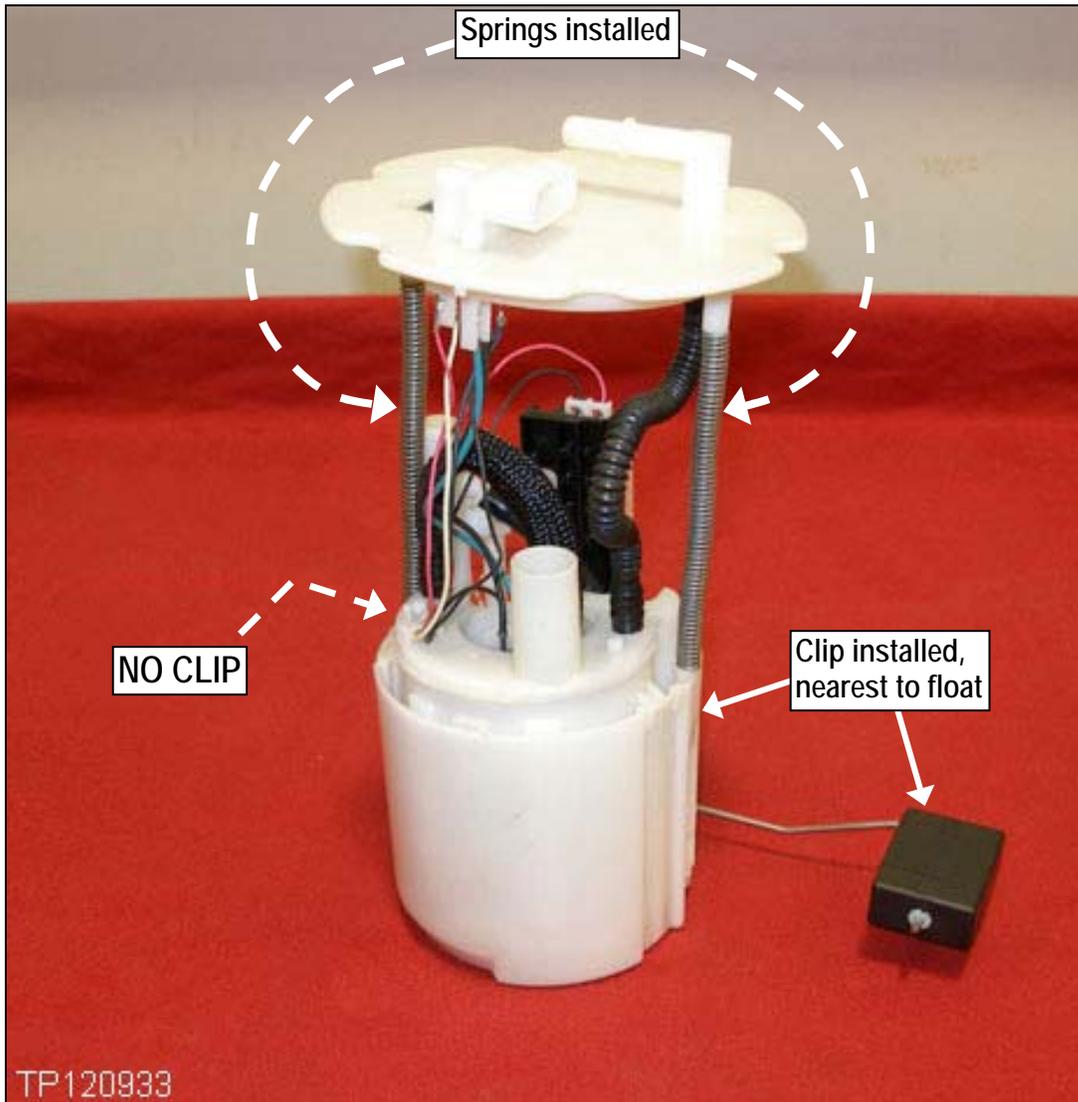


Figure 5: Fully assembled, viewed from backside.

#### PARTS INFORMATION

Description	PART number	Quantity
Spring	17036-3GW0A *	2
Clip	17023-3GW0A *	1 **
O-Ring	17342-CE800 *	1

\* Applies to both FX35 and FX50 vehicles.

\*\* As needed.

#### CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Repair Fuel Gauge	(1)	DX39AA	ZE	32	0.8

(1) Refer to the electronic parts catalog (FAST) and use the In tank fuel pump (17040-XXXXX) part number as the Primary Failed Part (PFP).