



Classification:

Reference:

Date:

EL12-073

ITB12-075

November 21, 2012

2009-2012 FX; FUEL GAUGE READS "EMPTY" AFTER FILLING TANK

APPLIED VEHICLES: 2009 - 2012 FX35 and FX50 (S51)

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. Remove the spring from the fuel pump module just removed.
3. Install the spring onto the new fuel pump module.
 - With the spring installed, the new fuel pump module will have two (2) springs.
4. Install the new fuel pump module into the vehicle.
 - For repairs, refer to SERVICE PROCEDURE.

PARTS INFORMATION

Model	Description	PART number	Quantity
FX35	PUMP COMPL – FUEL (fuel pump module)	17040-1CB0C	1
FX50	PUMP COMPL – FUEL (fuel pump module)	17040-1CA0C	1
All	O-Ring	17342-CE800	1

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL Fuel Pump Module	(2)	DG20AA	ZE	32	(1)

(1) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated FRT.

(2) Reference the part information table and use the fuel pump as the PFP.

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).

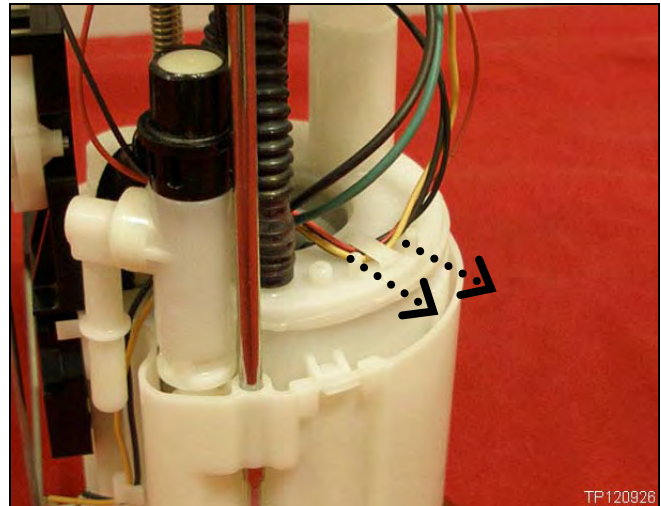


Figure 1

- 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 on both old and new fuel pump modules.

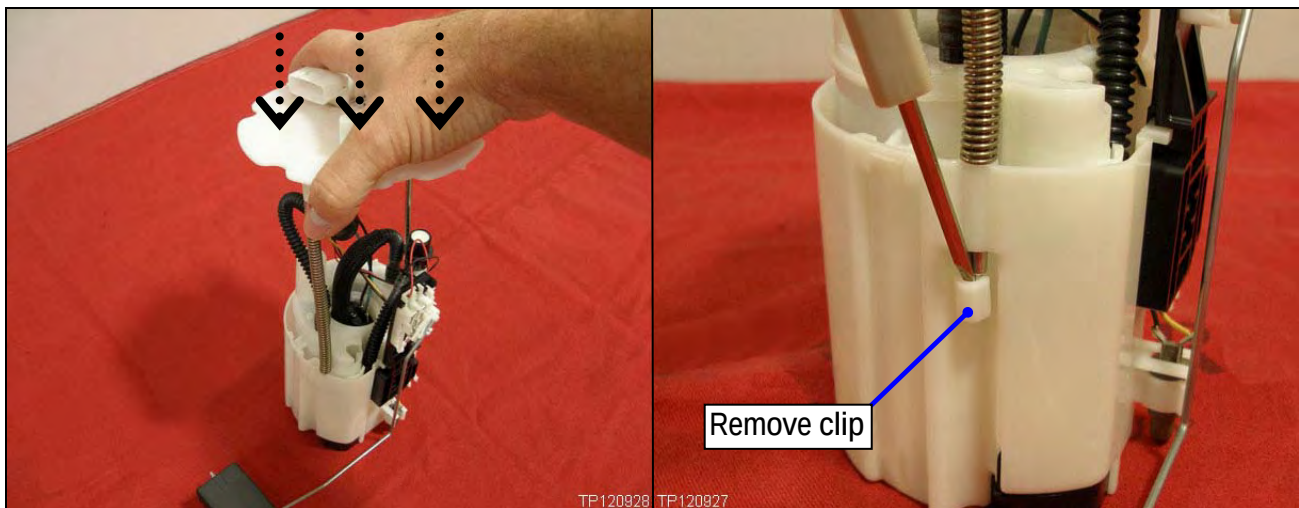


Figure 2

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

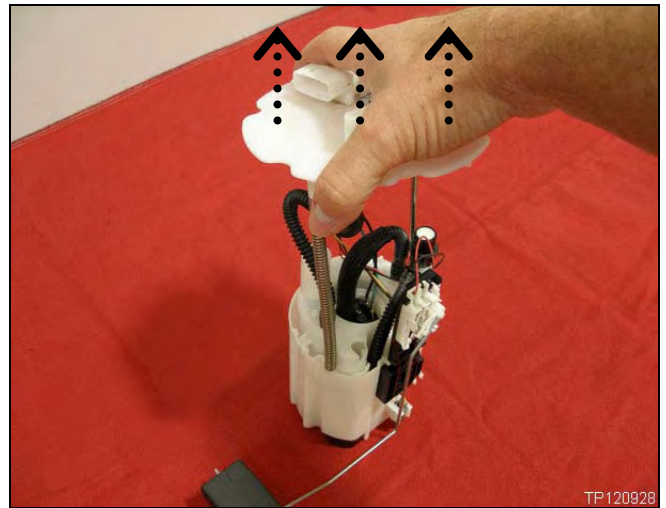


Figure 3

- d. Remove the spring (see Figure 4).

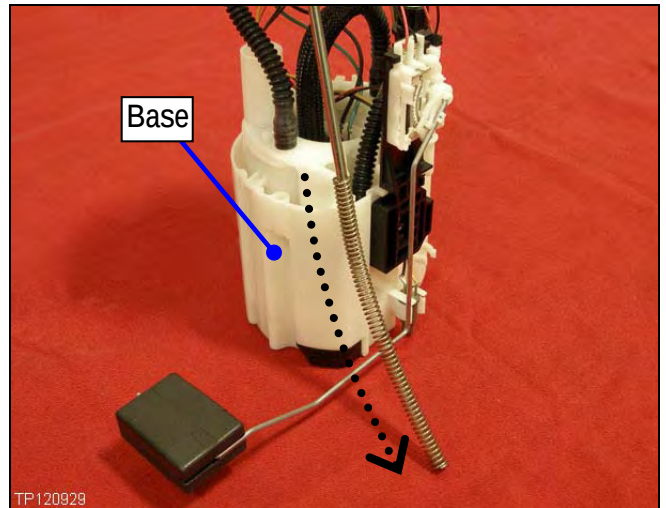


Figure 4

3. Disassemble the new fuel pump module the same way as the old one.
4. Install the spring from the old fuel pump module onto the new one.
 - When reassembled, the new fuel pump module will have two springs, one on each rod.
5. With the springs installed, insert the rods into the holes of the fuel pump module base.
6. Install the clip from the new fuel pump module at its original location, nearest to the float.
 - 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.
7. Reposition the wires under the retention feature.
 - The “green” and “black” wires do NOT go under the retention feature.
8. Install the fuel pump module in the fuel tank.
 - Refer to the B ENGINE> FL Fuel System section of the ESM, if needed.
9. Verify the fuel gauge reads correctly.

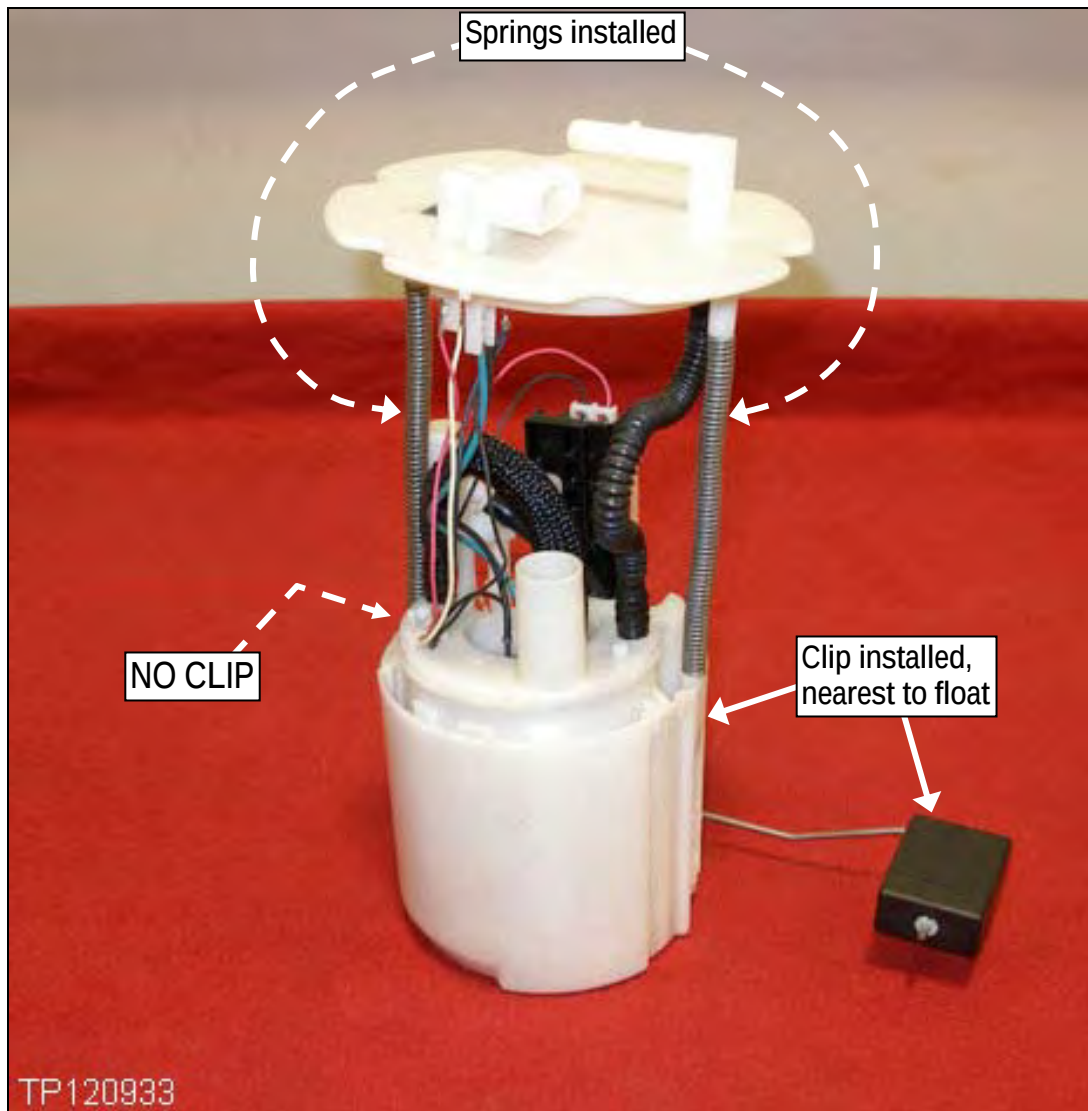


Figure 5; fully assembled, viewed from backside