



SERVICE BULLETIN

Classification: FE11-001b	Reference: NTB11-068b	Date: April 5, 2012
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2011 QUEST; FUEL TANK SERVICE INFORMATION

This bulletin has been amended. It has been changed to a **SERVICE INFORMATION** format.
 The **TITLE, SERVICE PROCEDURE, and PARTS INFORMATION** have been amended.
 Please discard all previous versions of this bulletin.

APPLIED VEHICLE: 2011 Quest (E52)

APPLIED VIN / DATE: Vehicles built before JN8AE2KP(*)B9 009017 and 4-Feb-2011

SERVICE INFORMATION

If either the fuel tank or fuel pump assembly in an applied vehicle is being replaced for any reason, replace both with the ones listed in the **PARTS INFORMATION** table below.

- Also replace the heat shields listed in **PARTS INFORMATION**.
CAUTION: These heat shields are not reusable. Always replace these heat shields whenever disassembled/removed.
- Refer to **SECTION FL Fuel System** in the 2011 Quest Electronic Service Manual (ESM) for part replacement procedure.

NOTE:

- This bulletin contains tips for assistance in replacing the fuel pump assembly and fuel tank. Refer to the **SERVICE PROCEDURE** in this document when applicable.
- Fuel Gauge Lock Plate SPX Tool #J-45747* is needed for step 8 of this procedure.
 *J-45747 shipped as Essential to dealers 7-19-11 with an initial cost of \$146.91.

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
TANK ASSY-FUEL	17202-1JA3B	1
PUMP COMP-FUEL	17040-1JA3A	1
PACK-FUEL GAUGE (O-Ring)	17342-1HJ0A	1
PLATE-LOCK, FUEL GAUGE (retainer)	17343-1JA0A	1
SHIM-FUEL TANK (small)	17243-1JA2A	1
SHIM-FUEL TANK (large)	17243-1JA1A	8
PROTECTOR-FUEL TANK (heat shield)	17285-1JA0A	1
PROTECTOR-FUEL TANK (heat shield)	17285-1JA1A	1

Nissan 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 Nissan dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

IMPORTANT: Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near the vehicle fuel system.

1. Remove the fuel tank assembly from the vehicle. Refer to the applicable ESM section for cautions and removal instructions.
2. Both heat shields, 17285-1JA0A and 17285-1JA1A in Figure 1, will be replaced when the new fuel tank assembly is installed (see page 8, step 11).

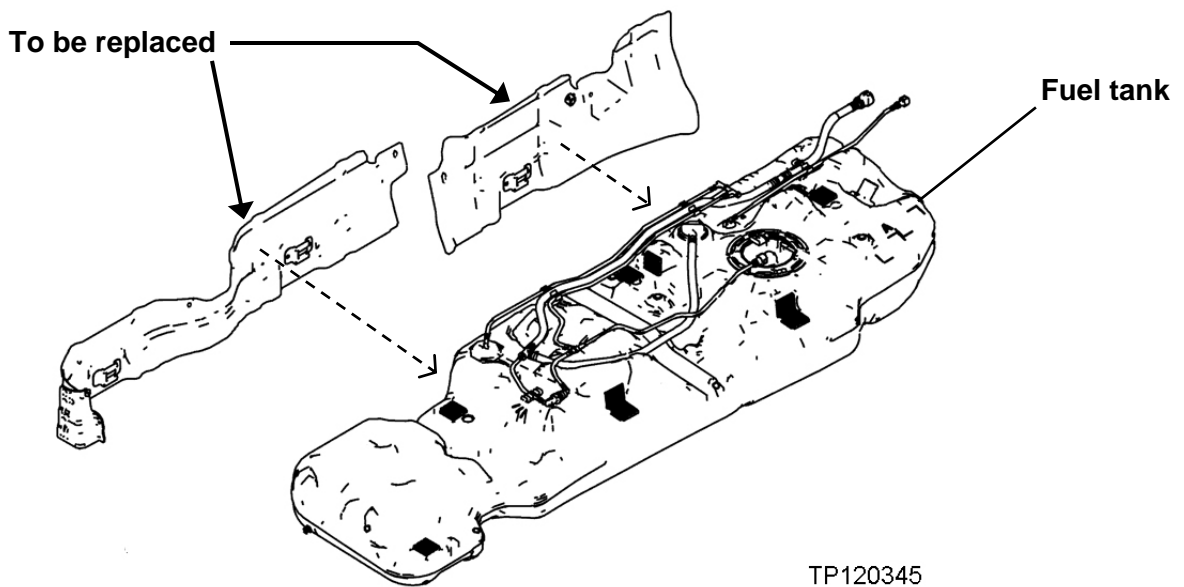


Figure 1

3. Install the fuel pump O-ring (17342-1HJ0A) onto the new fuel tank (17202-1JA3B). See Figure 2a.

- Locate and pull out the pump end of the fuel tube from inside the new tank.

NOTE: At the bottom of the new tank are three “bumps” (dimples). See Figure 2b.

- The fuel pump assembly is made to fit (index) onto those dimples.



Figure 2a

FRONT

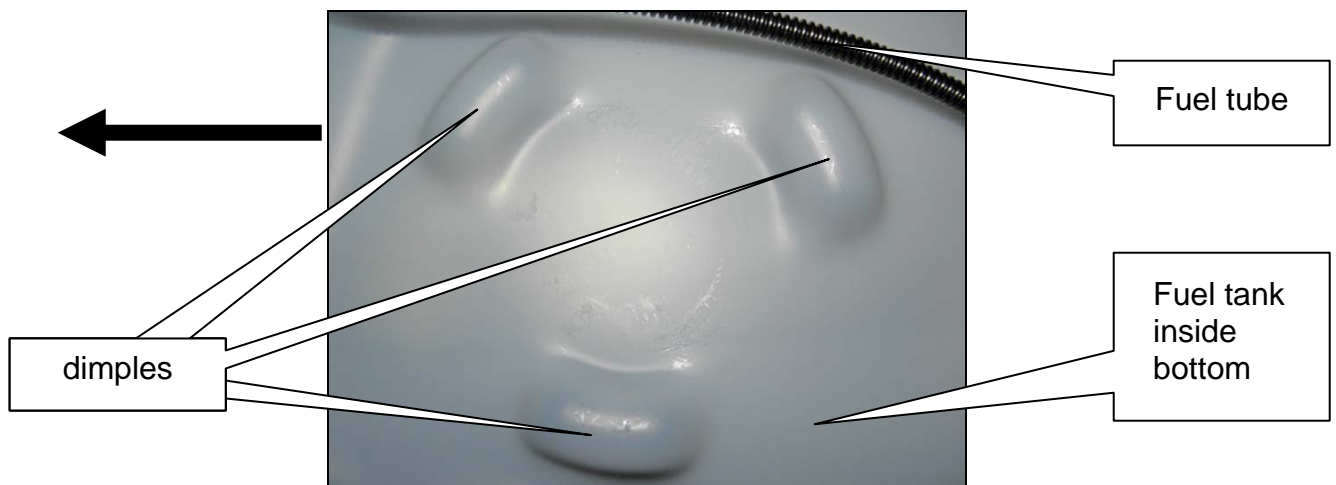
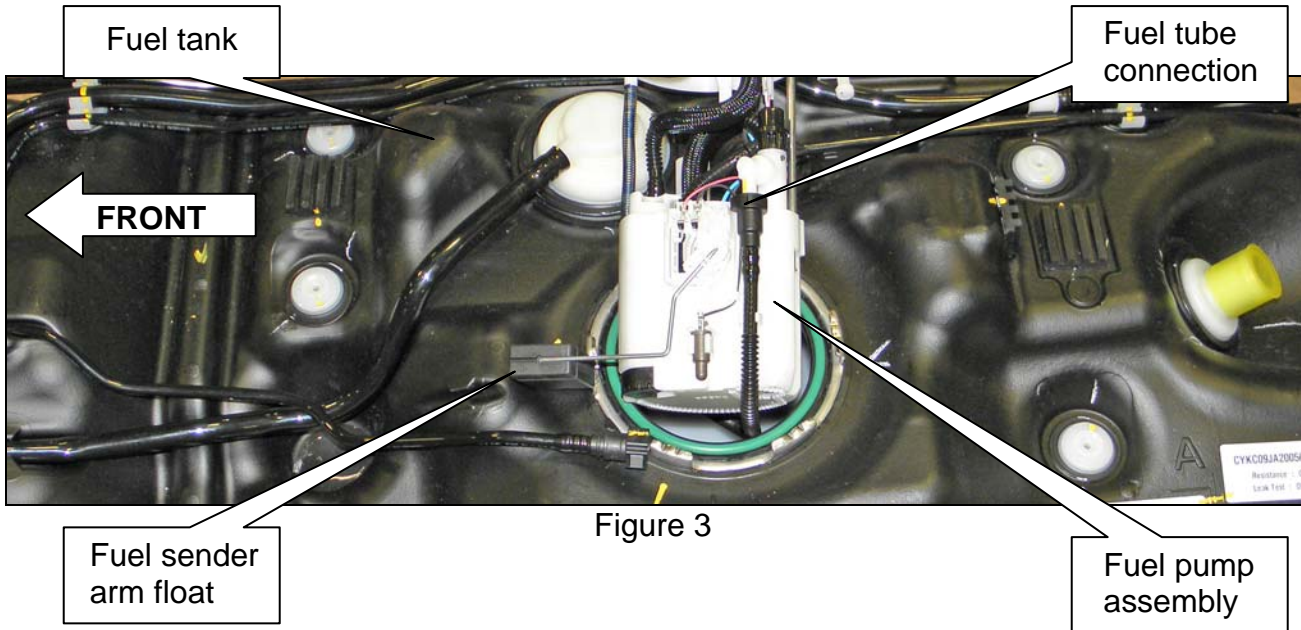


Figure 2b

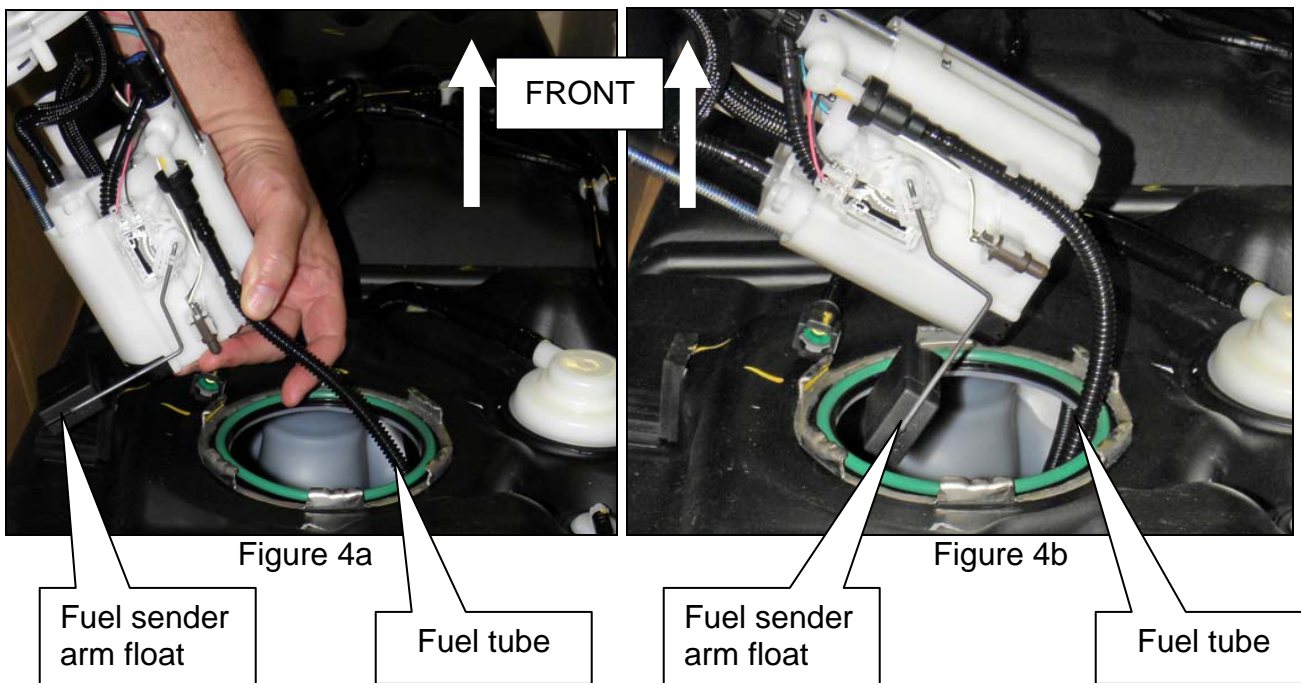
4. Connect the fuel tube to the new fuel pump assembly (17040-1JA3A). See Figure 3.

CAUTION:

- Insert the fuel tube quick connector onto the fuel pump assy. until a “click” is heard.
- After insertion, confirm the connector is locked by pulling and pushing the connector.



5. While guiding the fuel tube toward the right side of the tank (see Figure 4a), install the new fuel pump assembly into the tank with the sender arm float pointing to the left of the tank (see Figure 4b).



NOTE: Feed the fuel tube into the tank so it lays down on the right side of the tank (Fig. 5).

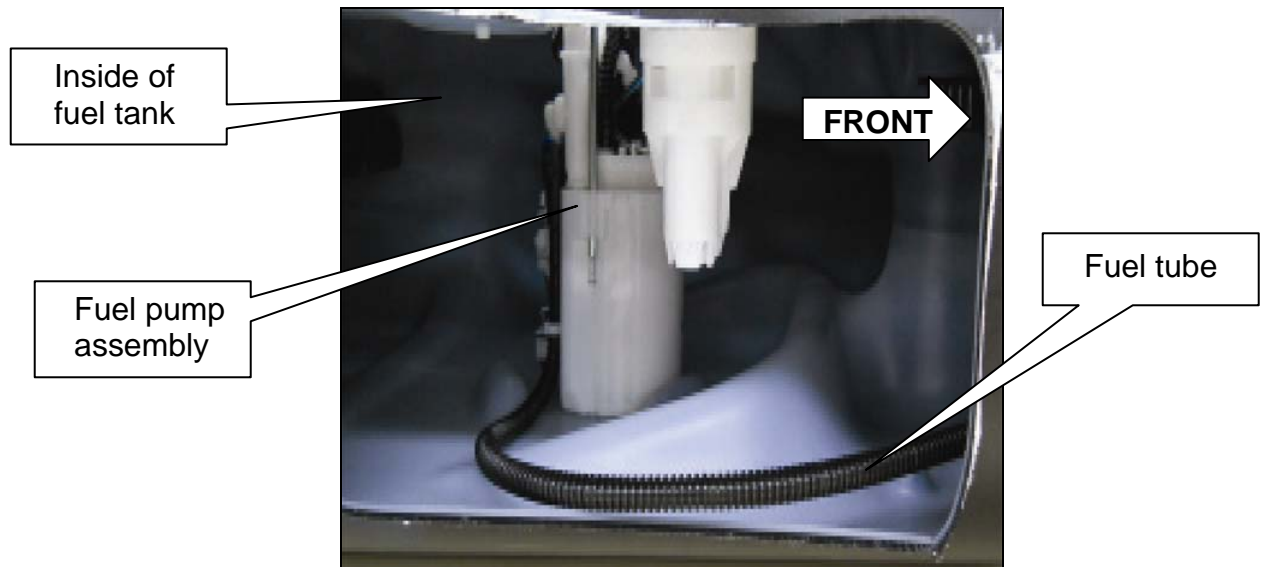


Fig. 5 (tank shown in cutaway view for clarity)

6. With the fuel pump assembly sitting in the fuel tank, verify proper positioning before securing (see Figure 6):

- The entire flange section will be parallel to the fuel tank upper surface all the way around.

And

- The entire flange section will sit about 30 mm above the fuel tank upper surface all the way around.

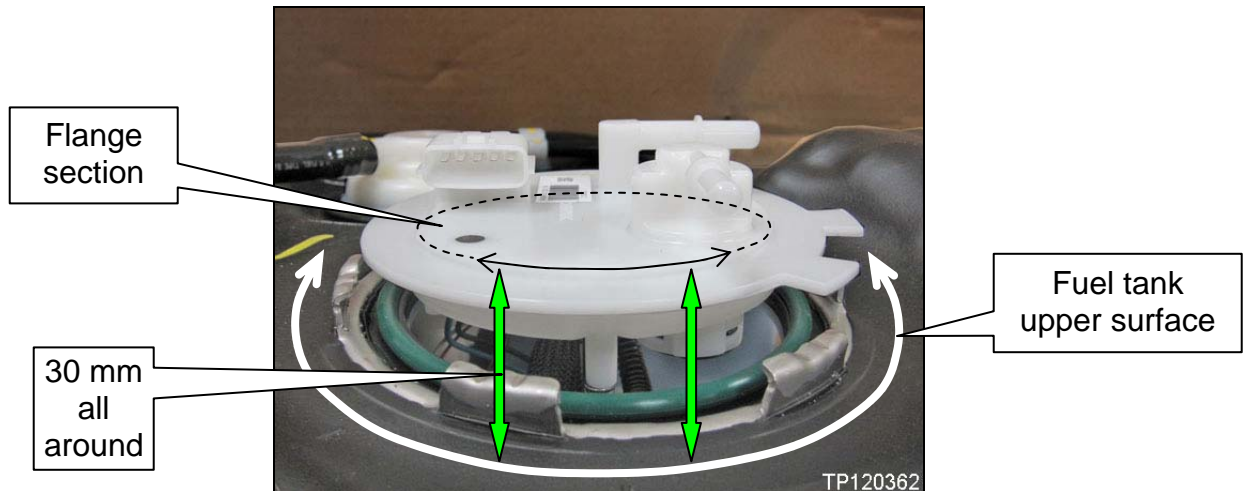


Figure 6

7. Rotate fuel pump assembly 90° (Figure 7a), and then push down to seat (Figure 7b).

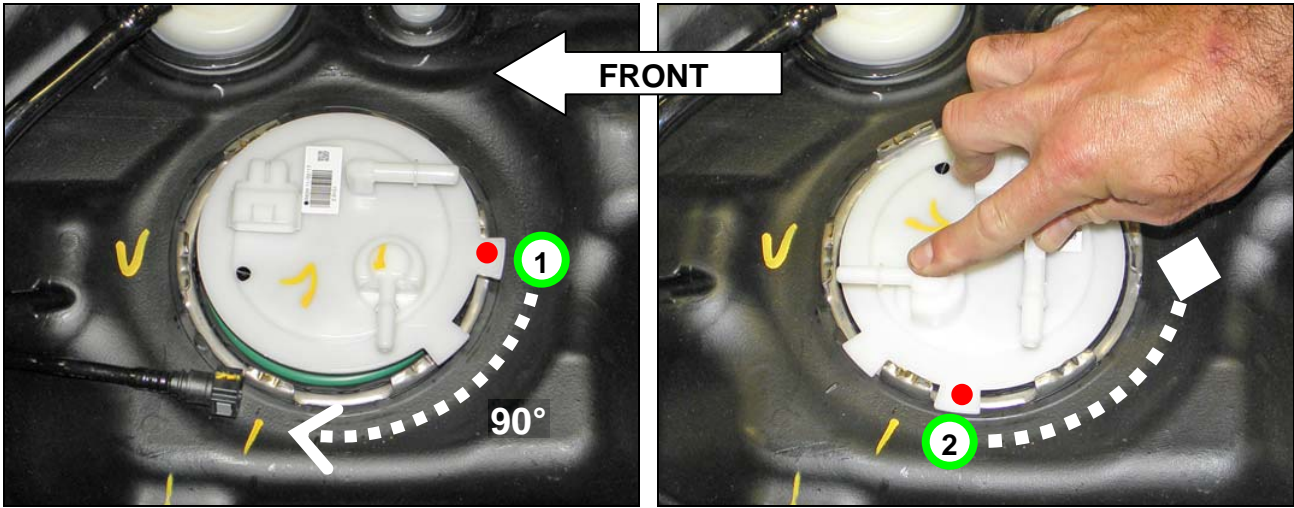
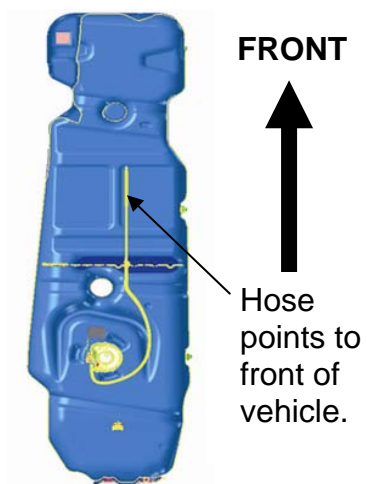


Figure 7a

Figure 7b

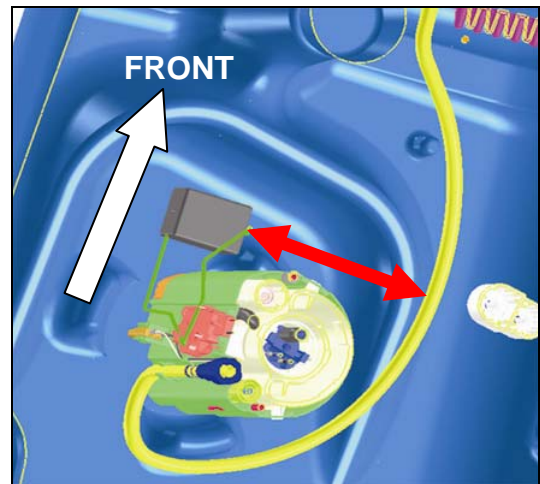


FRONT

Hose points to front of vehicle.

Figure 7c

CAUTION:
Must have space between sender float and hose.



FRONT

Figure 7d

8. Place the new retainer (17343-1JA0A) over the fuel pump assembly, and then rotate to lock it to the tank using Fuel Gauge Lock Plate SPX Tool #J-45747.

9. Install new Fuel Tank Shims as shown in Figure 8 below.

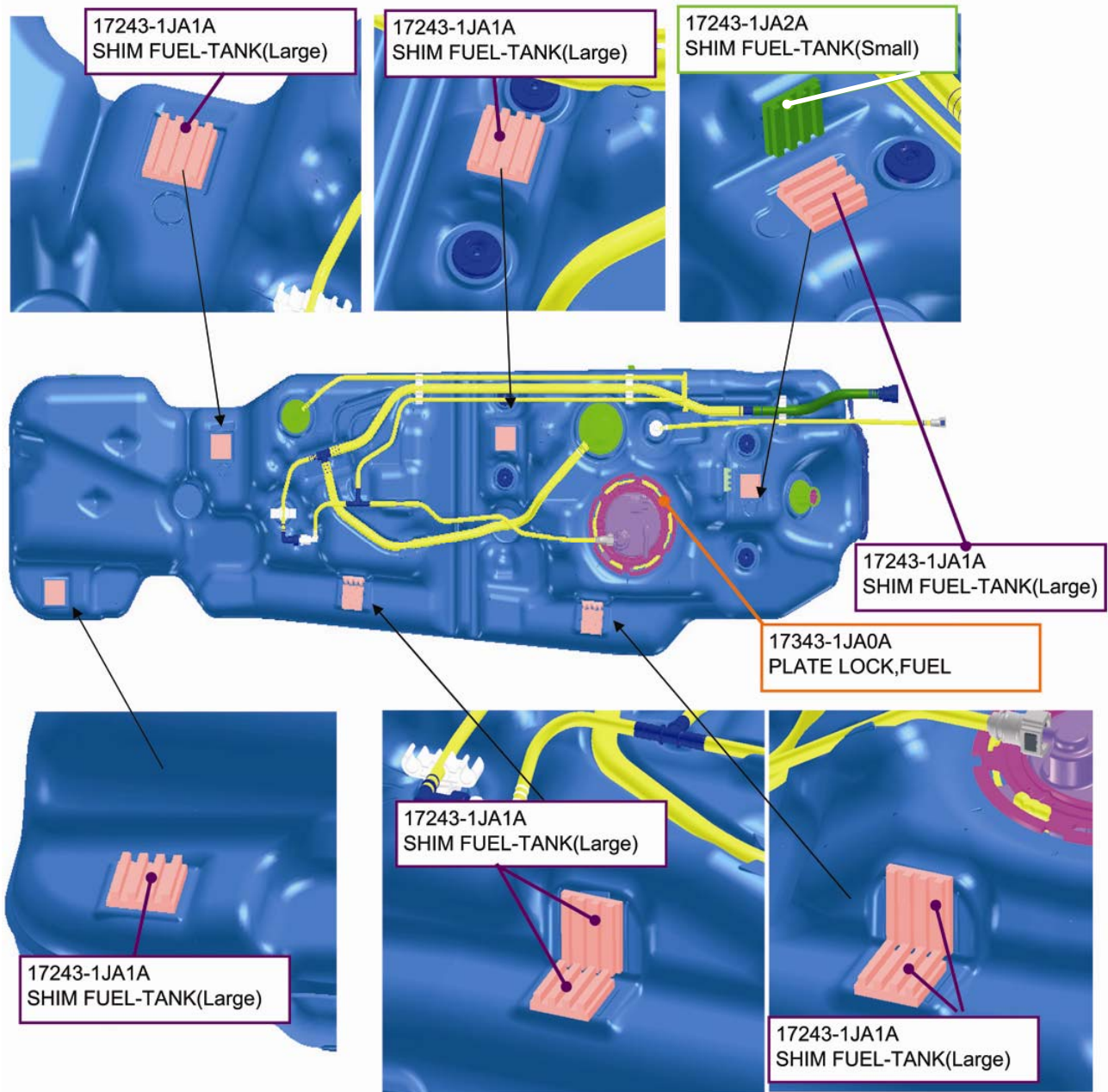


Fig. 8 (composite)

10. Attach the vent line quick connector to fuel pump assembly.

11. Install the fuel tank assembly.

- Replace the heat shields with new ones (17285-1JA0A and 17285-1JA1A) shown in Figure 9.

CAUTION: These heat shields are not reusable. Always replace these heat shields whenever disassembled/removed.

- Refer to the applicable ESM section for cautions and installation instructions.

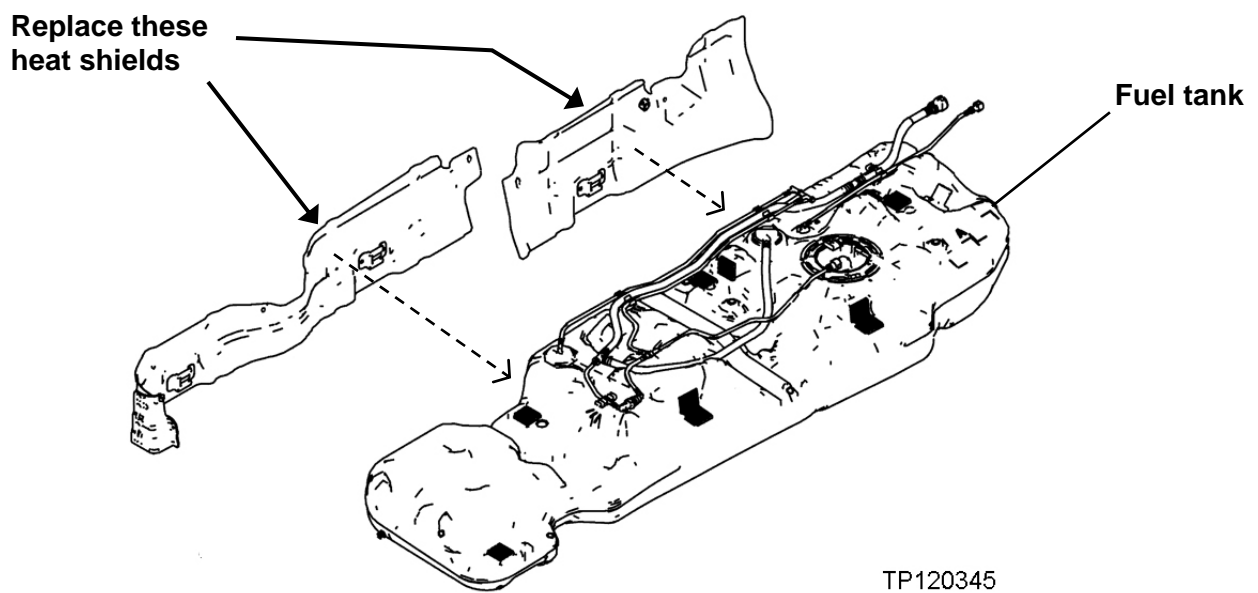


Figure 9