



TO: All Mazda Dealership General Managers, Service Managers, and Parts Managers
DATE: May 2014
SUBJECT: 2014 Mazda6 equipped with 2.5L Engine
Fuel in Canister - Safety and Emission Recall 7414D

Mazda Motor Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2014 Mazda6 vehicles equipped with 2.5L engine and produced from October 25, 2012 through May 9, 2013.

On certain Mazda6 vehicles, it is possible to refuel beyond the rated fuel tank capacity. If over-fueling is followed by a large temperature change, the fuel volume may expand beyond the remaining vapor space in the fuel tank. Under this condition, fuel may enter the charcoal canister, the malfunction indicator light may illuminate, and if fuel exceeds the canister capacity, fuel leakage could result.

Owners of affected vehicles will be notified by first class mail on May 19, 2014.

This package contains important information about Safety and Emission Recall 7414D:

| | |
|----------------|--|
| Attachment I | Dealer Service and Parts Information |
| Attachment II | Repair procedure |
| Attachment III | Owner notification letter and reimbursement form |

Important Emission Notice: California Department of Motor Vehicles and the Commonwealth of Massachusetts, in conjunction with the California Air Resources Board and the Environmental Protection Agency for the State of Massachusetts, have implemented the Registration Renewal/Recall Tie-In Program, which requires the completion of Emission Recalls prior to registration renewal. Mazda dealers must provide customers a **Vehicle Emission Recall – Proof of Correction Certificate** (p/n 9999-95-ERPC-99 available in MStore) upon completion of the recall. Instruct customers to keep the certificate until needed for registration renewal.

Important Safety Notice: The National Traffic and Motor Vehicle Safety Act prohibits the delivery of any subject vehicle without performing the necessary repair for defects or failures. Failure to perform applicable recalls before delivery can result in extensive dealer fines and penalties from the Federal Government. Therefore, you must complete this recall for all affected vehicles in your inventory prior to delivery.

To help you effectively perform this recall, Mazda has developed the following resources:

The attached service information (Attachment I) and repair procedure (Attachment II) were e-mailed to your Service Department, and are also available on eMDCS and the MS3 (Mazda Service Support System) websites via MXConnect.

1. For technical assistance, contact the Technical Assistance Hotline at (888) 832-8477, Option 3 for an English speaking Hotline Specialist, Option 4 for a Spanish speaking Hotline Specialist.
2. For warranty questions, contact the Warranty Hotline at (877) 727-6626, Option 3.
3. For parts questions, contact the Corporate Dealer Assistance Group at (877) 727-6626 Option 2.
4. We recommend using the Recall Reminder Report #JS30R165-1 and Recall Reminder Labels available in Web Reporting to encourage customers to come in for the recall (with recall reminder postcards). Dealers may use such owner information for the sole purpose of conducting and performing this recall, and for no other purpose. Using it for marketing activities is strictly prohibited and could subject your dealership to serious fines. The information in the report is protected by state privacy and other applicable laws regarding disclosure of personal and/or confidential, restricted or blocked information. It is the dealer's responsibility to protect the confidentiality of owner records and prevent the release of information to other parties.

Please make certain the appropriate personnel in your dealership are aware of these resources and are familiar with the details of this recall before responding to customer inquiries.

We apologize for any inconvenience this recall may cause you and your customers. Your understanding and support in carrying out this campaign is greatly appreciated.

Sincerely,



Satoshi Takahashi
Director, Technical Services Division
Mazda North American Operations

CONDITION OF CONCERN

On certain Mazda6 vehicles, it is possible that they can be refueled beyond the rated fuel tank capacity. If it occurs, followed by a large temperature change, the fuel volume may expand beyond the remaining vapor space in the fuel tank. Under this condition, fuel may potentially flow into the charcoal canister which is designed to control the evaporative emissions and the evaporative emission performance may be diminished. Furthermore, when the expanding amount of fuel exceeds the capacity of the canister, fuel may potentially leak from the external vent, increasing the risk of a fire.

SUBJECT VEHICLES

| Model | VIN Range | Build Date Range |
|------------------------------|-------------------------------|--------------------------------------|
| 2014 Mazda6 with 2.5L engine | JM1 GJ1*** E1 100027 – 123727 | October 25, 2012 through May 9, 2013 |

Note: The asterisk symbol * can be any letter or number.

OWNER NOTIFICATION

Mazda will notify U.S. owners by first class mail on May 19, 2014.

PARTS INFORMATION

| Description | Part Number | Quantity | Notes |
|---|--------------------|-------------------|---|
| Shut Off Valve (SOV) Adapter | GJY0-42-A17 | 1 | <i>For all subject vehicles</i> |
| Gasket kit | GJY0-42-A60A | 1 | <i>For all subject vehicles</i> Components: - Packing (BBM2-42-166A) / 1 pc - Gasket (PE23-40-305) / 1 pc - Nut (99946 1000) / 2 pcs - Retainer (CC43-42-693) / 1 pc - Owner's manual amendment |
| Canister | PY1J-13-96Z | 1 | <i>For Non-PZEV, and PZEV JM1GJ***** 113751 or higher</i> Only if canister weight exceeds standard weight |
| Canister | PY1F-13-96Z | 1 | <i>For PZEV (JM1GJ*****100001 – 113750)</i> Only if canister weight exceeds standard weight + wheel balance weights |
| Campaign Label | 9999-95-065A-06 | 1=50 labels | Obtain in MStore (no charge) |
| Vehicle Emission Recall – Proof of Correction Certificate * | 9999-95-ERPC-99 | 1=50 certificates | Obtain in MStore (no charge) |

ATTACHMENT I - DEALER SERVICE INFORMATION Safety & Emission Recall 7414D

* California Department of Motor Vehicles and the Commonwealth of Massachusetts, in conjunction with the California Air Resources Board and the Environmental Protection Agency for the State of Massachusetts, have implemented the Registration Renewal/Recall Tie-In Program, which requires the completion of Emission Recalls prior to registration renewal. Mazda dealers must provide customers a **Vehicle Emission Recall – Proof of Correction Certificate** (p/n 9999-95-ERPC-99) upon completion of the recall.

SPECIAL SERVICE TOOLS

| Description | Part Number | Quantity | Notes |
|----------------------------|-------------|----------|--|
| Adapter Installer | GJY0-42-A21 | 1 | For SOV adapter installation |
| Standard Weight | GJY0-56-1Z2 | 1 | For canister weight measurement |
| Wheel Balance Weight (5g) | 99658-20005 | 1 | Additional weights required for canister weight measurement on CA EMIS vehicles only |
| Wheel Balance Weight (60g) | 99658-20060 | 1 | |

WARRANTY CLAIM PROCESSING INFORMATION

| | Adapter installation Canister inspection Owner's Manual amendment | Adapter installation Canister inspection & replacement Owner's Manual amendment |
|-----------------------------------|---|---|
| Warranty Type | R | R |
| Process Number | AE009A | AE009B |
| Symptom Code | 99 | 99 |
| Damage Code | 99 | 99 |
| Part Number Main Cause & Quantity | GJY0-42-A17 / 1 pc | GJY0-42-A17 / 1 pc |
| Related Part Number & Quantity | GJY0-42-A60A / 1 pc | PY1J-13-96Z or PY1F-13-96Z / 1 pc GJY0-42-A60A / 1 pc |
| Labor Operation Number | XXK77XRX | XXK77XRX |
| Labor Hours | 1.9 H | 1.9 H |

New vehicles in dealer inventory with less than half a tank of fuel and under 30 miles (50 km) do not require canister removal and inspection. Use the following warranty claim information for these vehicles:

**ATTACHMENT I - DEALER SERVICE INFORMATION
Safety & Emission Recall 7414D**

| | |
|---|--|
| Vehicles in dealer inventory with less than ½ tank of fuel & under 30 miles (50 km) | Adapter installation Owner's Manual amendment |
| Warranty Type | R |
| Process Number | AE009C |
| Symptom Code | 99 |
| Damage Code | 99 |
| Part Number Main Cause & Quantity | GJY0-42-A17 / 1 pc |
| Related Part Number & Quantity | GJY0-42-A60A / 1 pc |
| Labor Operation Number | XXK79XRX |
| Labor Hours | 1.2 H |

RENTAL CAR INFORMATION

Mazda will authorize rental and service loaner vehicles on a limited basis. We are requesting dealer understanding and partnership regarding rental and loaner vehicle utilization. Please make every effort to utilize alternative transportation solutions in place of rental use. Rental is covered if customer has no alternative means of transportation.

Rental Car Warranty Claim Information

Please submit rentals on a separate claim problem number as follows:

| | Rental Agency Vehicle | Dealer Loaner Car Fleet Vehicle |
|------------------------|--|---|
| Warranty Type Code | A | A |
| Symptom Code | 99 | 99 |
| Damage Code | 99 | 99 |
| Part Number Main Cause | 5555-74-14DR | 5555-74-14DL |
| Part Quantity | 0 | Number of days loaner car was used Mazda pays \$35.00/day |
| Labor Operation Code | MM024XRX | MM024XRX |
| Labor Hours | 0.0 | 0.0 |
| Sublet – Rental Car | | |
| Sublet Invoice Number | Number from Rental Invoice or Dealer Purchase Order | |
| Sublet Type Code | Enter "Z9" (other) | |
| Sublet Amount | Up to \$30.00 per day for the number of days customer had rental car | |
| Sublet Text | Number of days rental car was supplied to customer | |

Rental expenses exceeding the two-day limit will require prior DSM Authorization, as outlined in the Mazda Rental Car Reimbursement Program policy.

**ATTACHMENT I - DEALER SERVICE INFORMATION
Safety & Emission Recall 7414D**

VERIFY THE VEHICLE NEEDS THE RECALL

1. Verify the vehicle is within the following ranges:

| Model | VIN Range | Build Date Range |
|---------------------------------|-------------------------------|---|
| 2014 Mazda6 with 2.5L engine | JM1 GJ1*** E1 100027 – 123727 | October 25, 2012 through May 9, 2013 |

The asterisk symbol “*” can be any letter or number.

- If the vehicle is within the above ranges, go to step 2.
 - If the vehicle is not within the above ranges, return it to inventory or the customer.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for an Authorized Campaign Label RECALL 7414D attached to the vehicle’s hood or bulkhead.

eMDCS System – Warranty Vehicle Inquiry Results

| If eMDCS displays: | Campaign Label is: | Action to perform: |
|----------------------------------|---------------------------|---|
| RECALL 7414D | Present | Contact the Warranty Hotline at (877) 727-6626, option 3, to update vehicle history |
| | Not present | Proceed to “REPAIR PROCEDURE”. |
| RECALL 7414D CLOSED | Present | Return vehicle to inventory or customer. |
| | Not present | Complete a label and apply to vehicle's hood or bulkhead. |
| RECALL 7414D is not displayed | Does not apply | Recall does not apply to this vehicle. Return vehicle to inventory or customer. |

Note: Verify the recall number, as the vehicle may have multiple labels.

REPAIR PROCEDURE

Please refer to Attachment II.

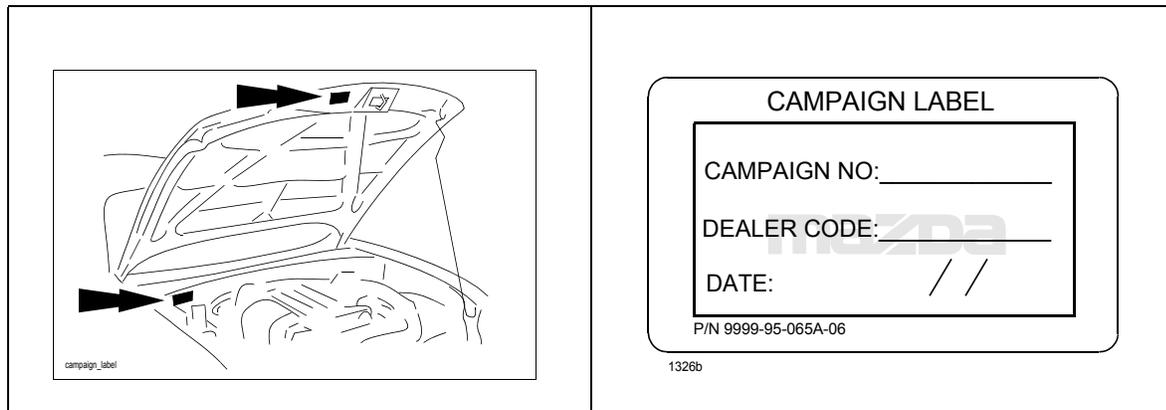
A. VEHICLE INSPECTION PROCEDURE

1. Verify that the vehicle is within one of the following VIN ranges:

| Model | VIN Range | Production Date Range |
|-------------|-------------------------------|---|
| 2014 Mazda6 | JM1 GJ1*** E1 100027 - 123727 | From October 25, 2012 through May 9, 2013 |

- If the vehicle is within one of the above VIN ranges, proceed to step 2.
 - If the vehicle is not within one of the above VIN ranges, return the vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for a Campaign Label **7414D** attached to the vehicle’s hood or bulkhead. Refer to eMDCS System - Warranty Vehicle Inquiry Results table below.

NOTE: Verify Recall number as the vehicle may have multiple Recalls.



eMDCS System - Warranty Vehicle Inquiry Results

| If eMDCS displays: | Campaign Label is: | Action to perform: |
|------------------------|--------------------|---|
| 7414D OPEN | Present | Contact the Warranty Hotline at (877) 727-6626 to update vehicle history. |
| | Not present | Proceed to "B. REPAIR PROCEDURE". |
| 7414D CLOSED | Present | Return vehicle to inventory or customer. |
| | Not present | Proceed to "C. CAMPAIGN LABEL INSTALLATION". |
| 7414D is not displayed | Does not apply | Recall does not apply to this vehicle. Return vehicle to inventory or customer. |

B. REPAIR PROCEDURE

CAUTION: When vehicle arrives at your dealership, treat it as a high priority repair. Delaying attention to a vehicle with a possible fuel leak can be hazardous.

NOTE: Mazda has developed a Repair Procedure video (approximately 10 minutes) to assist you with repairs. Viewing the video prior to the repair will give you a better understanding of the repair procedure.

CLICK HERE to view the repair procedure video. (Available on MS3)

WARNING: A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before performing any work on the fuel system, discharge the static electricity by touching the vehicle body.

DEALER INVENTORY VEHICLE NOTE:

Dealer inventory vehicles with fuel gauge below half a tank and with less than 30 miles (50 km) do not require charcoal canister removal. REPAIR PROCEDURE STEPS 7 through 9 are not required.

Repair Outline:

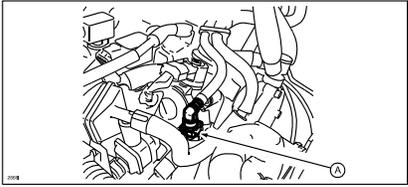
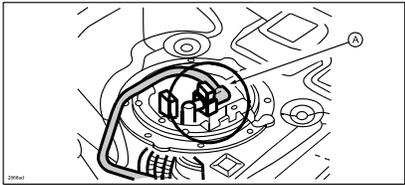
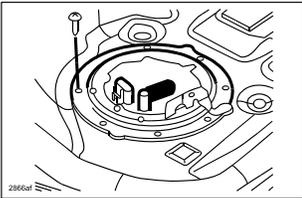
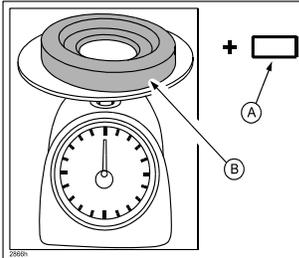
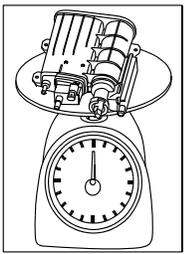
| STEP | DESCRIPTION |
|------|---|
| 1 | PRINT CHECK SHEET (To be filled out during the repair procedure). |
| 2 | DRAIN THE FUEL TANK |
| 3 | REMOVE THE REAR SEAT |
| 4 | REMOVE THE FUEL PUMP |
| 5 | INSTALL SHUT OFF VALVE (SOV) ADAPTOR |
| 6 | INSTALL REMOVED PARTS |
| 7 | REMOVE CHARCOAL CANISTER * |
| 8 | INSPECT CHARCOAL CANISTER * |
| 9 | INSTALL CHARCOAL CANISTER * |
| 10 | AMEND OWNERS MANUAL PAGES |

* See DEALER INVENTORY VEHICLE NOTE on page 2.

STEP 1. PRINT CHECK SHEET

Repair Date: _____

Note: Be sure to keep this check sheet with the repair order and warranty application sheet.

| | | |
|--|---|--|
| VIN: JM1GJ _____ | Technician: _____ | |
| Check Items: | | Check Result: |
| <p><u>Quick Release Connector:</u></p> <p>1. Lightly pull and push the quick release connector (A) a few times by hand, and then verify that it is connected securely.</p> <p>2. Verify that there is no fuel leakage after engine start.</p> | | <p>Engine Room Side: OK _____ NG _____</p> |
| Engine Room Side | Fuel Pump Side | |
|  |  | <p>Fuel Pump Side: OK _____ NG _____</p> |
| <p><u>Fuel Pump Set Plate:</u></p> <p>Verify that the screws are securely tightened.</p> | | <p>Fuel Pump Set Plate: OK _____ NG _____</p> |
|  | <p>Tightening Torque: 1.5 - 2.6 N.m {16 - 26kgf.cm, 14 - 23in.lbf}</p> | |
| <p><u>Weight Comparison:</u> (See DEALER INVENTORY VEHICLE NOTE on page 2.)</p> <p>Weigh & record the standard weight (B). Weigh & record the weight of the canister. Compare both readings. If the canister is heavier than the standard weight, replace the canister. If both readings are equal, it is not necessary to replace the canister.</p> <p>Note: For PZEV (JM1GJ ***** 100001 - 113750), add a 60g and a 5g wheel balance weights (A) to the standard weight (2108±5g) (B).</p> | | <p>Reuse Canister _____ Replace Canister _____</p> |
| Standard Weight: _____ Gram | Canister: _____ Gram | |
|  |  | |

STEP 2: DRAIN THE FUEL TANK

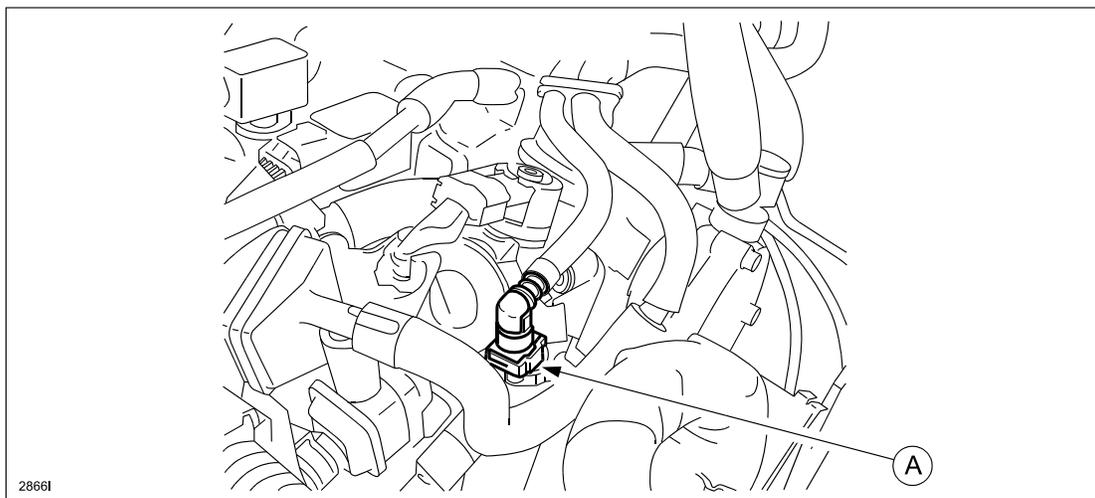
WARNING:

- Fuel is a very flammable liquid. If fuel spills or leaks from a pressurized fuel system, it will cause serious injury or death and risk of fire. Fuel can also irritate skin and eyes. To prevent this from happening, always complete the "Fuel Line Safety Procedure" while referring to the "BEFORE SERVICE PRECAUTION".
- A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before performing any work on the fuel system, discharge the static electricity by touching the vehicle body.
- Open all vehicle doors for ventilation.

Fuel Siphoning Procedure Using Fuel Pump

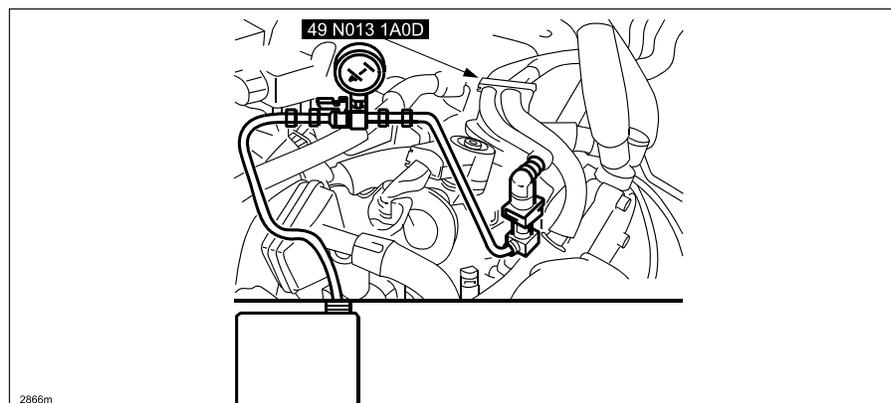
CAUTION: Disconnecting/connecting the quick release connector without cleaning it may possibly cause damage to the fuel pipe and quick release connector. Always clean the quick release connector joint area before disconnecting/connecting using a cloth or soft brush, and make sure that it is free of any foreign material.

1. Disconnect the quick release connector (A).



2. Connect a long hose to the disconnected quick release connector or insert the SST quick release connector into the fuel pipe until a click is heard.

NOTE: It is recommend to use a clear hose so that air bubbles can be seen when coming to the end of the drain to prevent unnecessary prolonged operation of the fuel pump.



3. Drain all of the fuel from the fuel tank.

CAUTION: The fuel pump could be damaged if it is operated while there is no fuel in the fuel tank. Verify the amount of fuel being discharged from the hose and stop operation of the fuel pump when essentially no fuel is being discharged.

With M-MDS

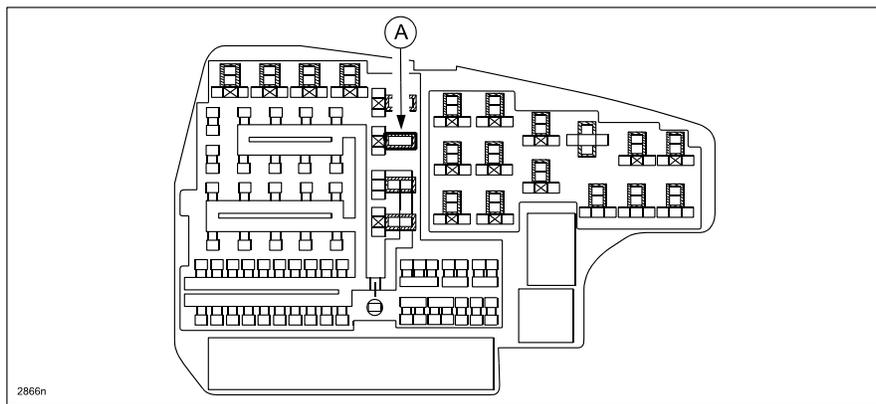
- a. Connect the M-MDS to the DLC-2.
- b. Using the simulation function "FP", start the fuel pump. (See 01-02A-11 ON-BOARD DIAGNOSTIC TEST)

If the fuel pump cannot be operated, refer to MS3 online instructions or Workshop Manual (Section 01-14 FUEL DRAINING PROCEDURE [SKYACTIV-G 2.5]). Scroll down to "Fuel Siphoning Procedure Not Using Fuel Pump."

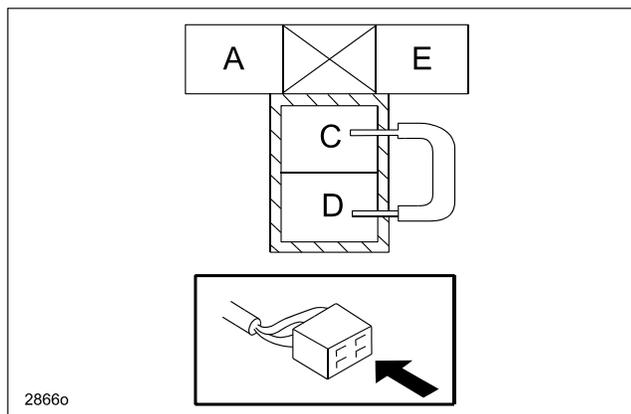
Without M-MDS

- a. Disconnect the negative battery cable. Refer to MS3 online instructions or Workshop Manual (Section 01-17 NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.5]).
- b. Remove the fuel pump relay (A).

CAUTION: Short the specified terminals only. Shorting the wrong terminal of the relay and fuse block may cause malfunctions.



- c. Using a jumper wire, short the fuel pump relay terminals C and D in the relay and fuse block.



- d. Connect the negative battery cable and operate the fuel pump. Refer to MS3 online instructions or Workshop Manual (Section 01-17 NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.5]).

4. Stop the fuel pump.

With M-MDS

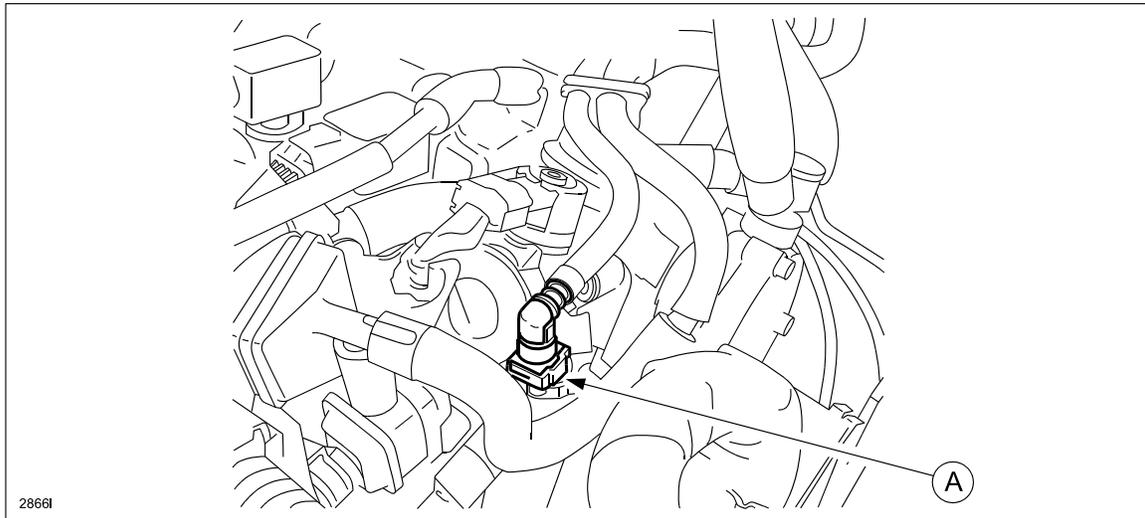
Using the simulation function "FP", stop the fuel pump. Refer to MS3 online or Workshop Manual (Section 01-02 ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.5]).

Without M-MDS

Remove the jumper wire to stop the fuel pump.

5. Connect the quick release connector (A).

NOTE: Lightly pull and push the quick release connector a few times by hand, then verify that the connector is secured. Mark the Check Sheet.



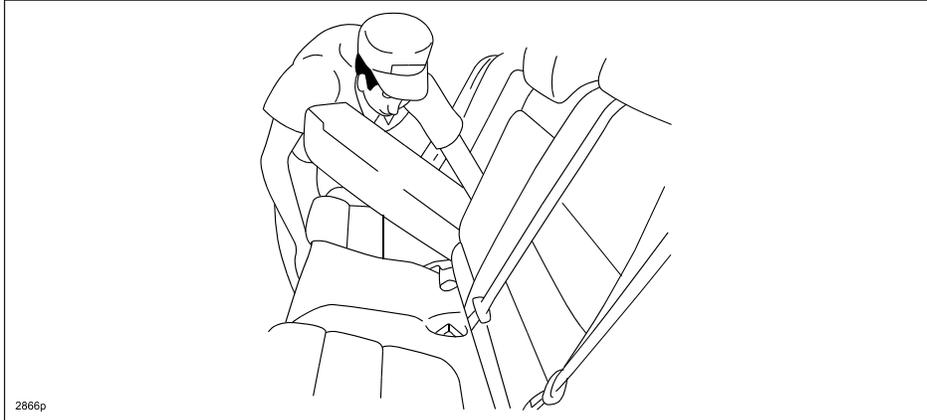
6. Disconnect the negative battery cable. Refer to MS3 online instructions or Workshop Manual (Section 01-17 NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.5]).

STEP 3: REMOVE THE REAR SEAT

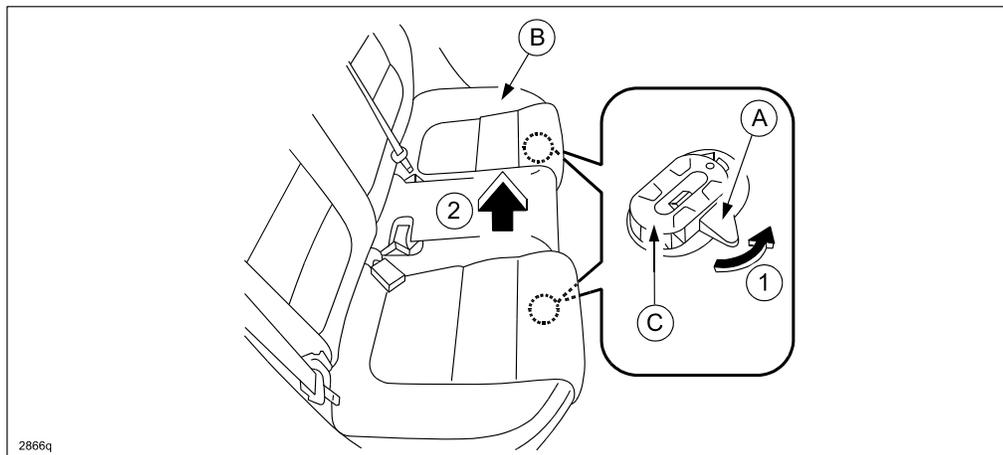
1. Remove the rear seat cushion.

CAUTION: Make sure your hands are clean when removing the seat so as not to dirty the seat.

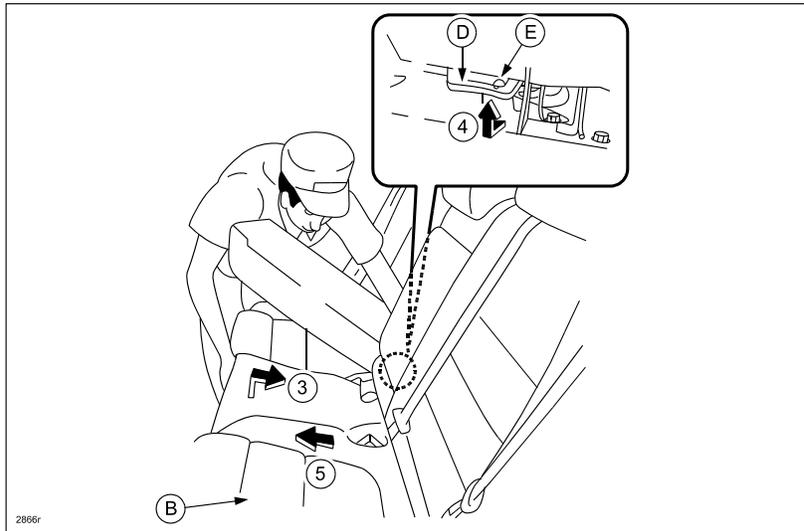
NOTE: When removing the rear seat cushion, use the posture shown.



- a. Move the lever (A) in the direction of arrow (1), and lift up the rear seat cushion (B) in the direction of arrow (2) while releasing the lock (C).



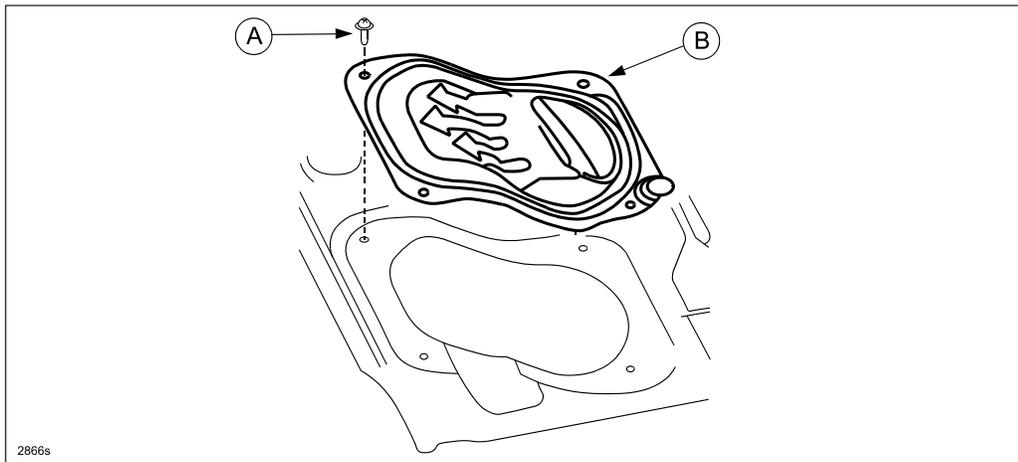
- b. Fold the rear seat back (RH).
- c. Move the hook (D) in the direction of arrow (4), and set it aside from the center hinge (E) while moving the rear seat cushion (B) in the direction of arrow (3).
- d. Remove the rear seat cushion (B) in the direction of arrow (5) shown in the figure.



STEP 4: REMOVE THE FUEL PUMP

CAUTION: Disconnecting/connecting the quick release connector without cleaning it may possibly cause damage to the fuel pipe and quick release connector. Always clean the quick release connector joint area before disconnecting/connecting using a cloth or soft brush, and make sure that it is free of any foreign material.

- 1. Remove the service hole cover screws (A) and then remove the service hole cover (B).

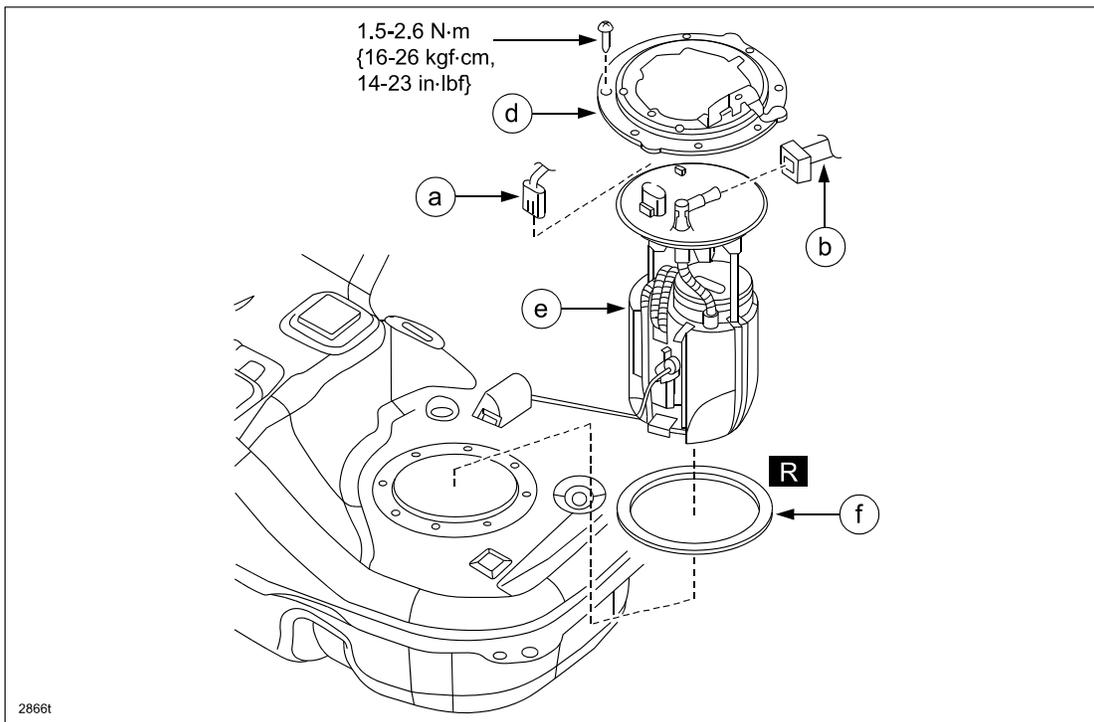


2. Remove the fuel pump unit in the order indicated.

CAUTION: Be careful not to damage the fuel gauge lever during the fuel pump removal.

- a. Fuel pump unit connector
- b. Quick release connector
 - 1. Move the retainer upward using a small flathead screwdriver or similar tool.
 - 2. Pull the fuel hose straight out from the fuel pipe and disconnect it.
 - 3. Cover the disconnected quick release connector and fuel pipe with vinyl sheeting or similar material to prevent it from getting scratched or dirty.
- d. Set plate
- e. Fuel pump unit
- f. Packing

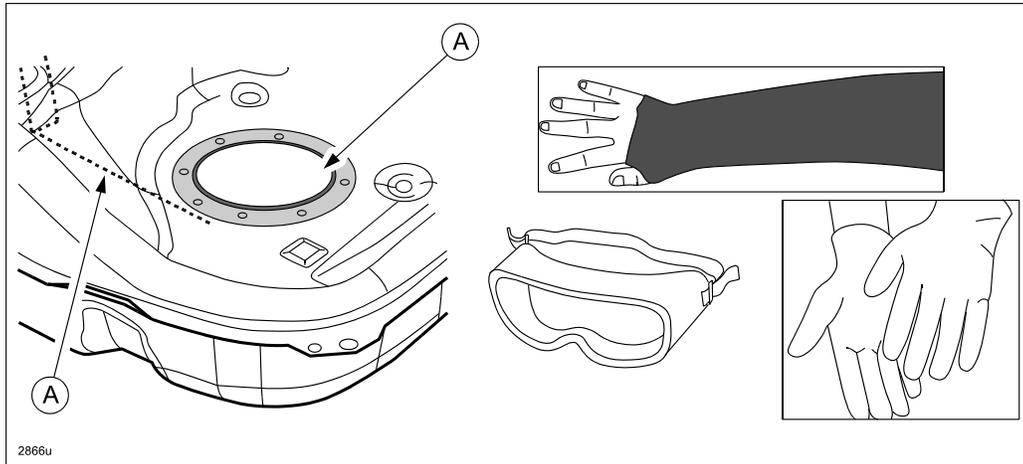
NOTE: Discard the fuel pump unit packing (f). New packing is included in Gasket Kit GJY0-42-A60A.



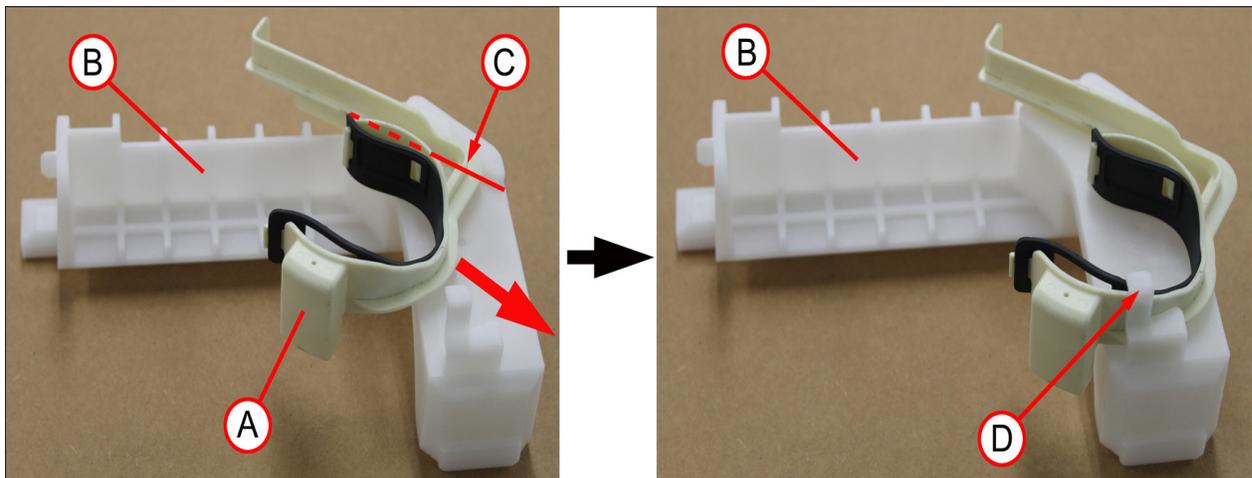
STEP 5: INSTALL SHUT OFF VALVE (SOV) ADAPTER

WARNING:

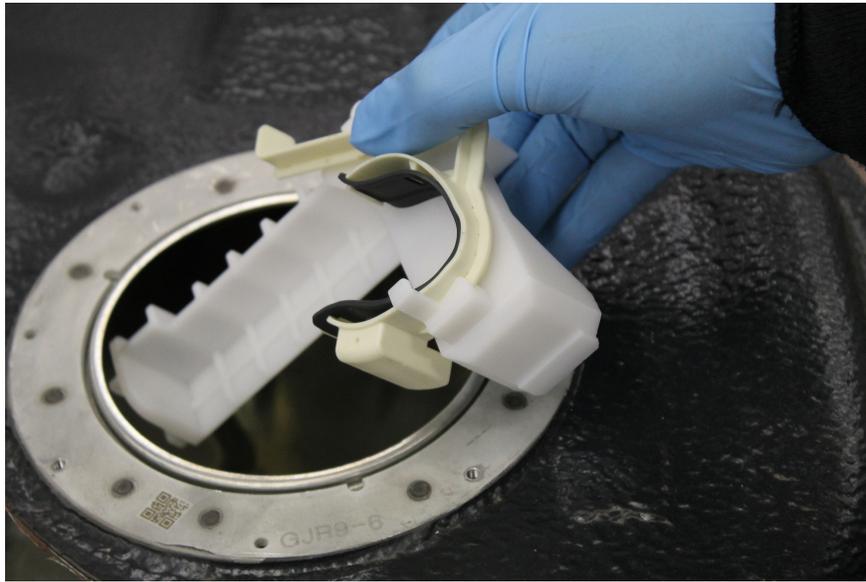
- A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before performing any work on the fuel system, discharge the static electricity by touching the vehicle body.
- The work requires entering your hand into the fuel tank. Since the fuel tank has sharp edges (A) at holes or baffles, make sure to wear the following protective gear to avoid injury.
 - a. Protectors for arms (Long-sleeved cloths).
 - b. Safety goggles.
 - c. Gloves.



1. Set the adapter (A) in the adapter installer tool (B).
 - a. Insert the adapter in the slit (C) of the tool, then slide it to the direction of the arrow as shown to set it in the tool.
 - b. Make sure that the adapter is fitted securely by the hook (D) of the adapter installer tool (B).

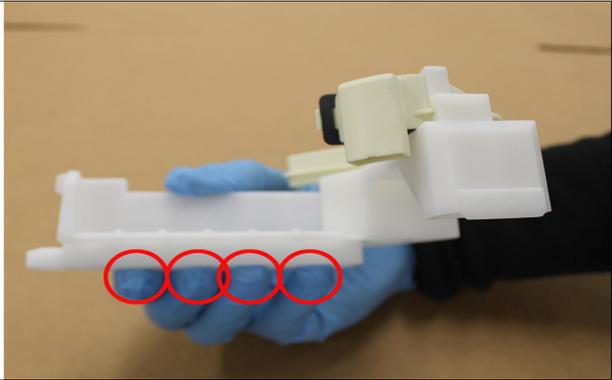


2. Guide the adapter installer tool (with the adapter) into the fuel tank from the fuel pump hole.

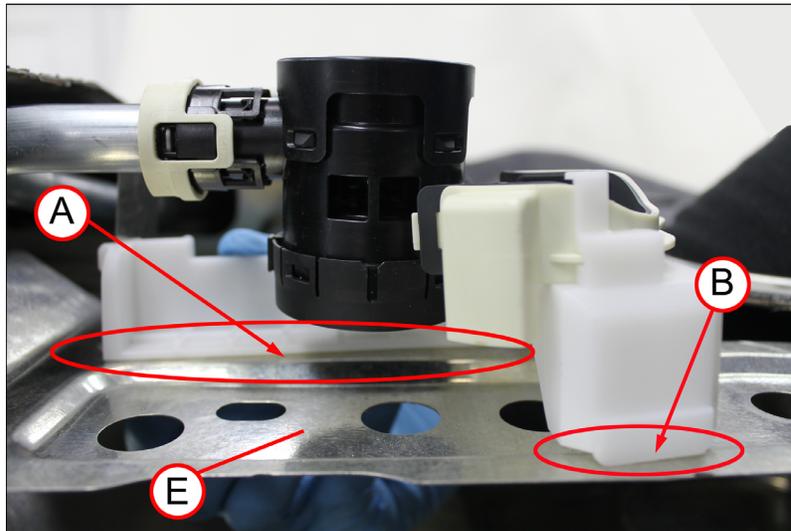


3. Hold the adapter installer tool in the fuel tank by hand as shown.

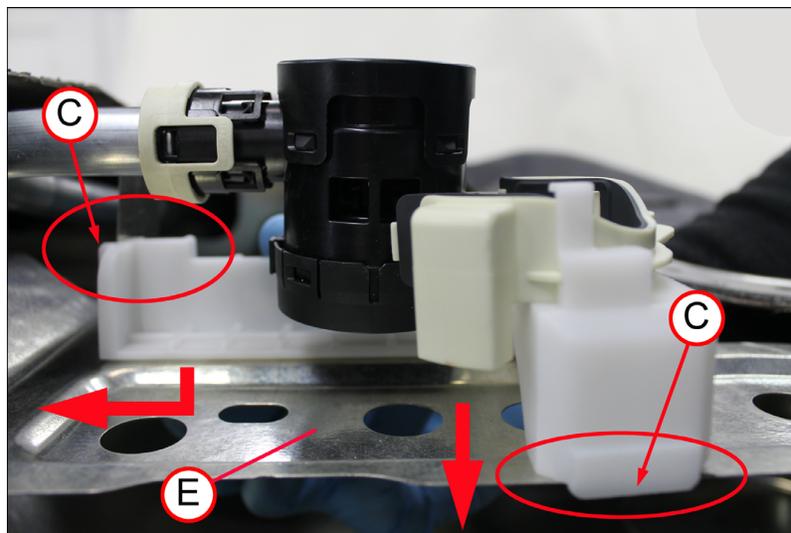
CAUTION: Hand size may differ from worker to worker to hold the adapter installer tool. Try different positions to find the best one for you to install the adapter to the SOV.

| Upper Side | Lower Side |
|---|--|
|  |  |
| <p>Hold the adapter installer tool with fingers approx. 10mm away from the bottom edge of the tool.</p> | |

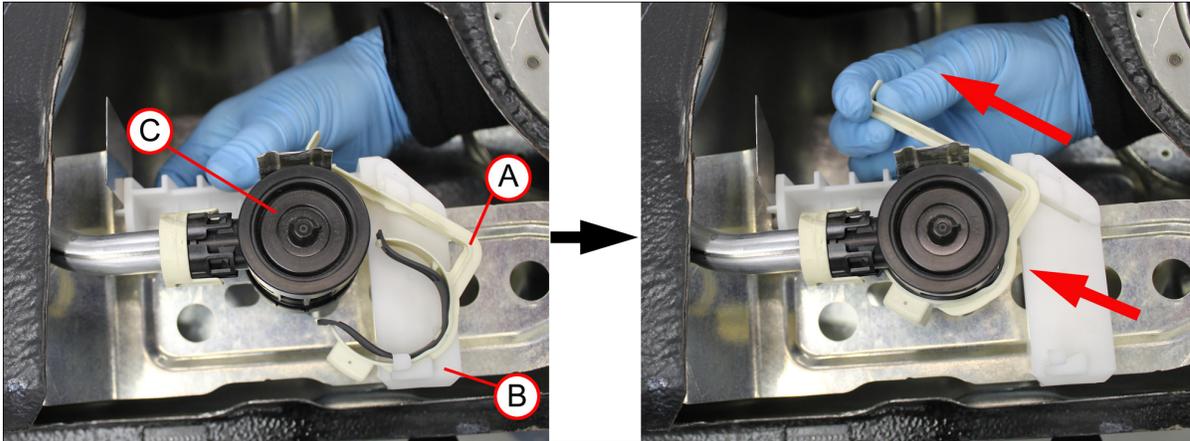
4. Set the adapter to the baffle in the fuel tank. (Fuel tank is cut open for demonstration.)
 - a. Rest the "A" and "B" parts of the adapter installer tool on the baffle (E).



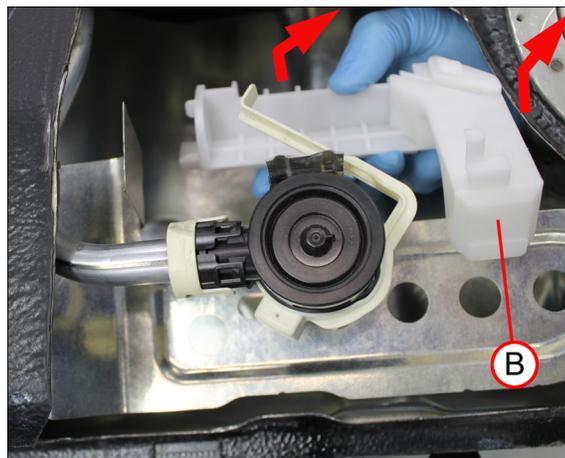
- b. While pushing the adapter installer tool a little toward the vehicle front, also slide it to the vehicle right. Rest the two hooks (C) of tool to the baffle (E).



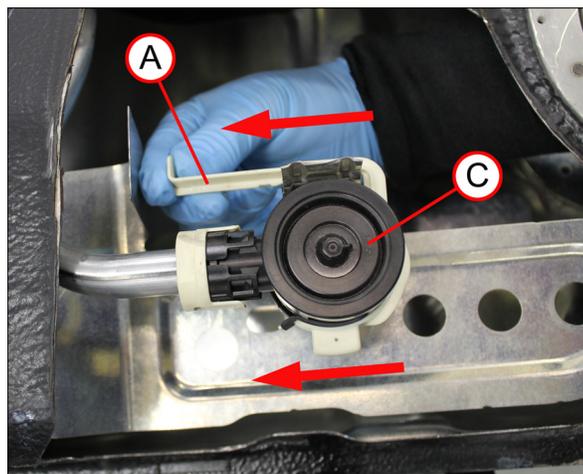
5. Install the adapter to the SOV. (Fuel tank is cut open for demonstration.)
 - a. Slide the adapter lever (A) away from the adapter installer tool (B) and towards the SOV (C) as shown.



- b. Remove the adapter installer tool (B) from the fuel tank. The tool will be reused to repair other customer vehicles.



- c. Pull the adapter lever (A) further and secure it to the SOV (C) as shown below.

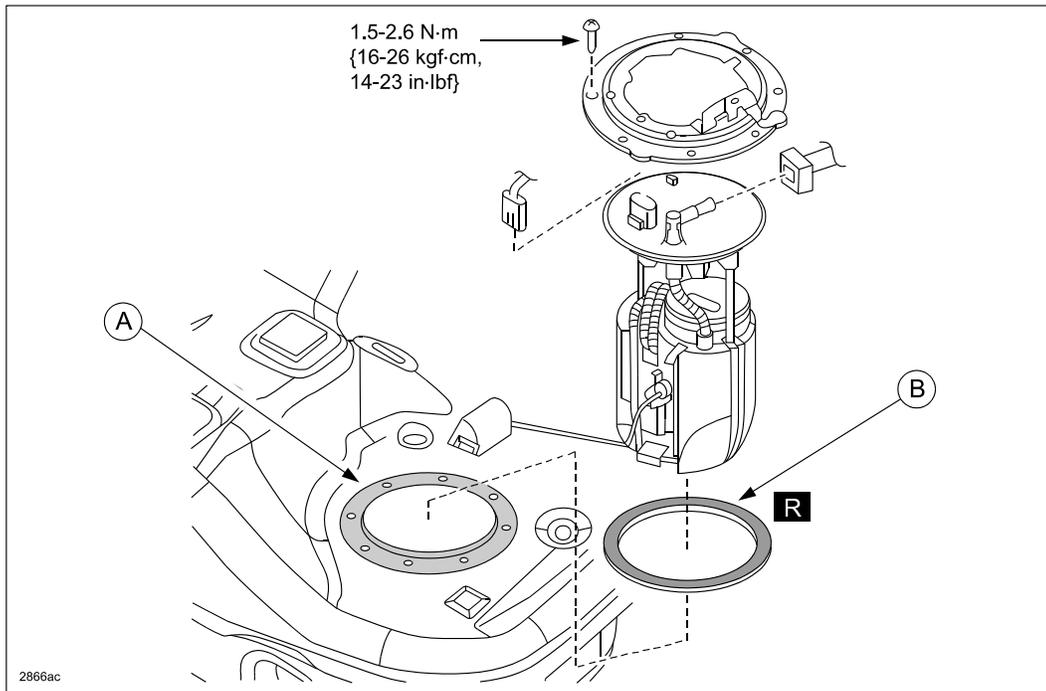


6. Use a mirror and a LED light to visually confirm that the adapter is installed correctly.
WARNING: DO NOT use a light other than a LED, otherwise a fire could start.

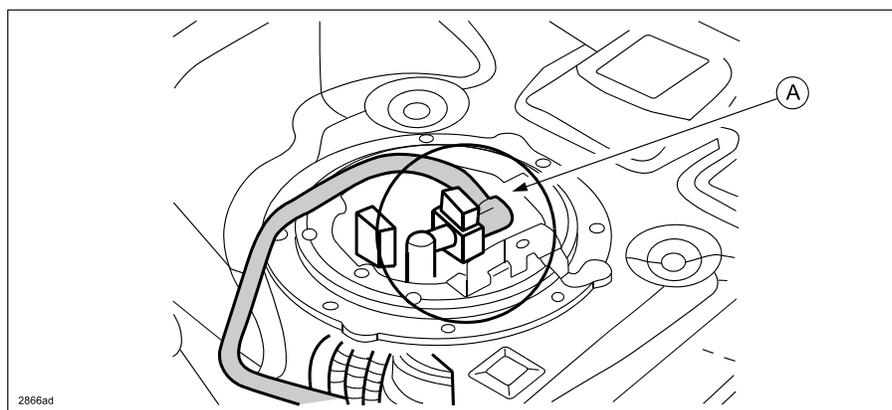
STEP 6: INSTALL REMOVED PARTS

1. Clean the seal area on the flange (A) of the fuel tank.
2. Reinstall the fuel pump with a new packing (B), then reinstall the fuel pump set plate. Mark the Check Sheet. New packing is included in Gasket Kit GJY0-42-A60A.

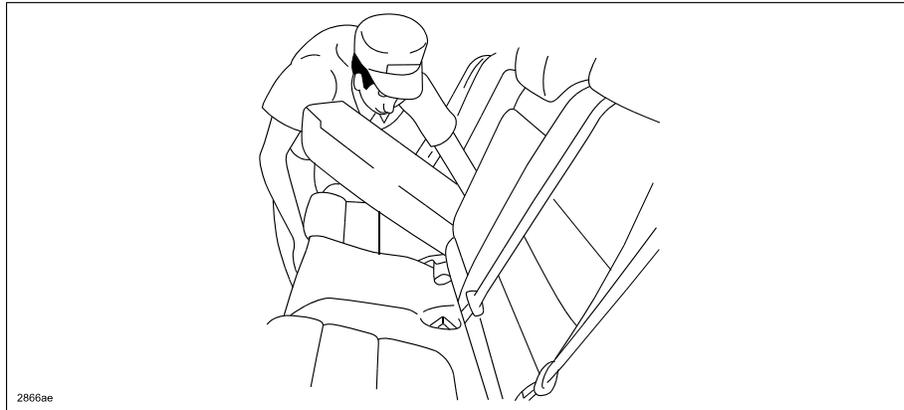
NOTE: DO NOT leave screws or other small items on the fuel tank, or it will cause damage to the fuel tank. Make sure to pick up all items on the fuel tank.



3. Reconnect the quick release connector.
Lightly pull and push the quick release connector (A) a few times by hand to verify that the connector is secured. Mark the Check Sheet.



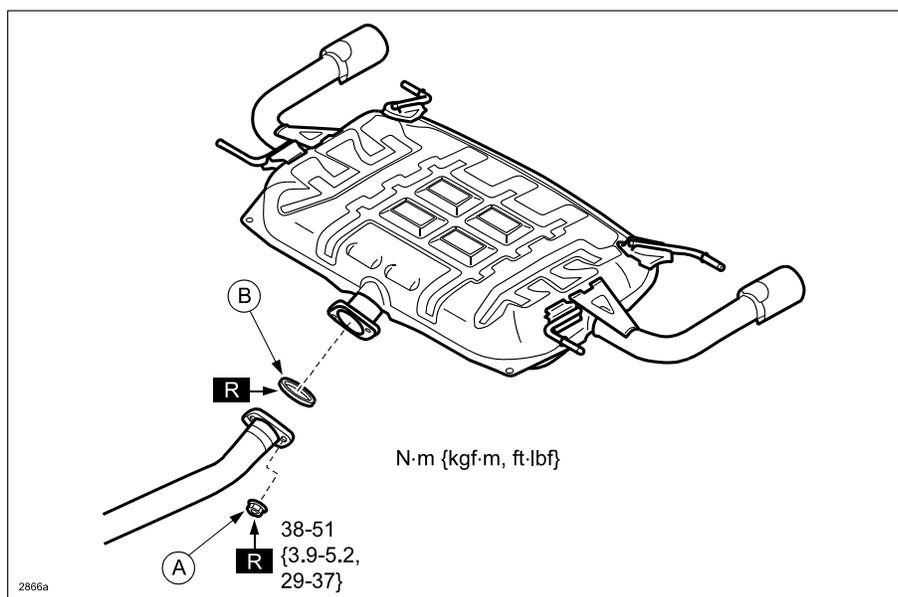
4. Connect the fuel pump harness connector.
5. Connect the battery negative terminal. Refer to MS3 online instructions or Workshop Manual (Section 01-17 NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.5]).
6. Re-fuel the drained fuel.
7. Verify that there is no fuel leakage after engine start.
8. Reinstall the service hole cover for the fuel pump. Mark the Check Sheet for Tightening Torque.
9. Reinstall the rear seat cushion.



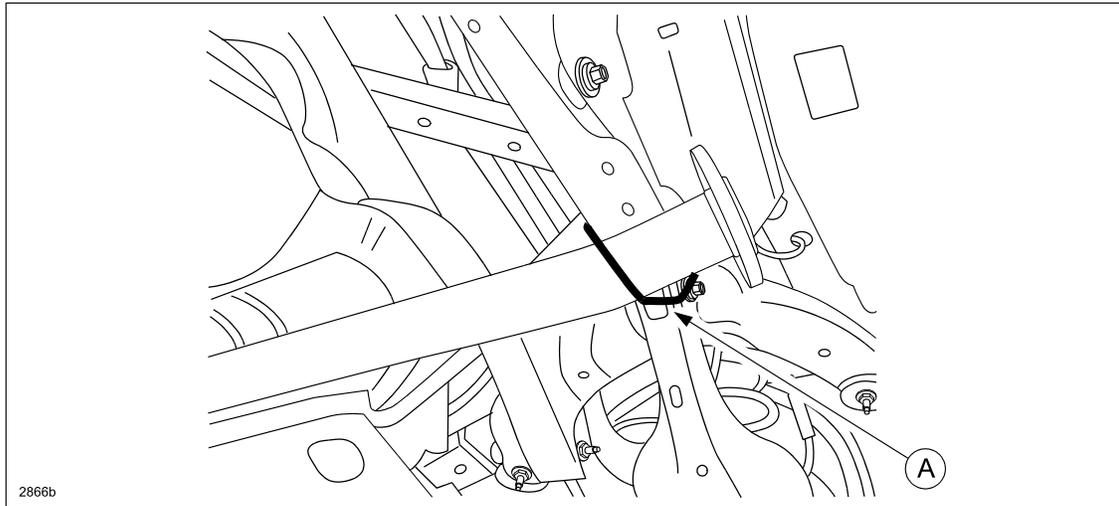
STEP 7. REMOVE CHARCOAL CANISTER (See DEALER INVENTORY VEHICLE NOTE on page 2.)

1. Disconnect the negative battery cable. Refer to MS3 online or Workshop Manual (section 01-17 NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.5]).
2. Remove the main silencer from the vehicle.

NOTE: Discard the nuts (A) and the gasket (B). New gasket and nuts are included in Gasket Kit GJY0-42-A60A.

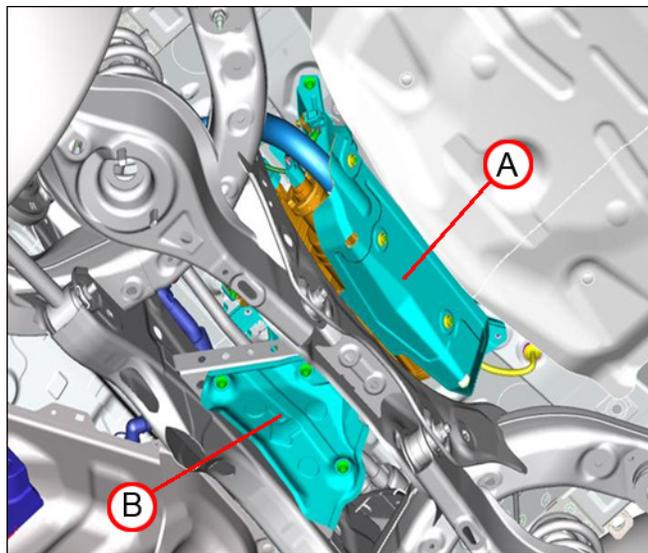


3. Hang the TWC at the end using a wire (A) to prevent damage to the connection between the exhaust manifold and TWC.



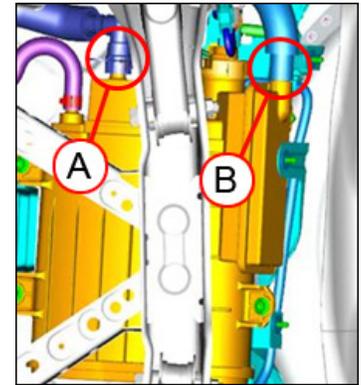
4. Remove the insulator (A) and protector (B).

Tightening Torque: 9 -12 N·m {92 -122 kgf·cm, 80 - 106 in·lbf}



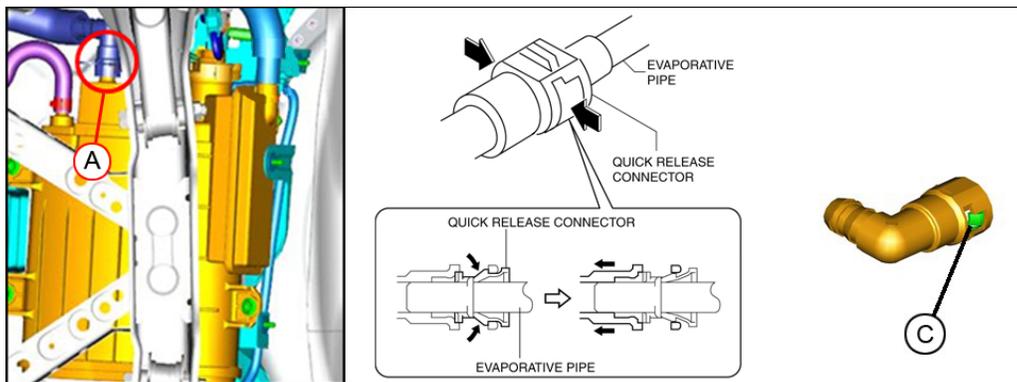
5. Remove the charcoal canister assembly from the vehicle.

CAUTION: Fuel may spill when removing the quick release connector (A) and/or hose (B). Use a cloth to absorb the fuel when disconnecting.



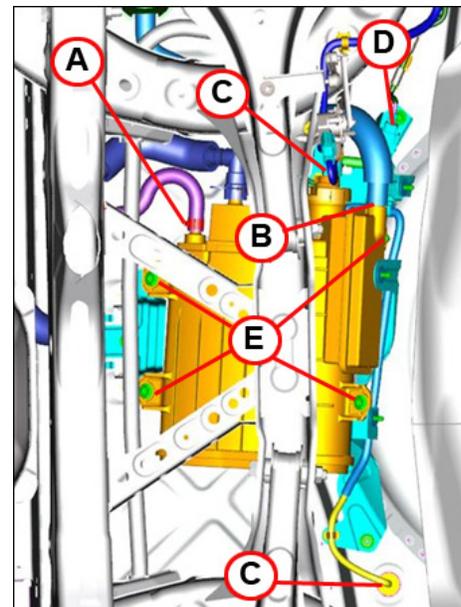
- a. Disconnect the quick release connector (A).

NOTE: Remove and discard the quick release connector retainer (C). New quick release connector retainer is included in Gasket Kit GJY0-42-A60A.



- b. Disconnect the hose (A) and hose (B).
c. Disconnect the hoses (C).
d. Disconnect the connector (D).
e. Remove the bolts (E).

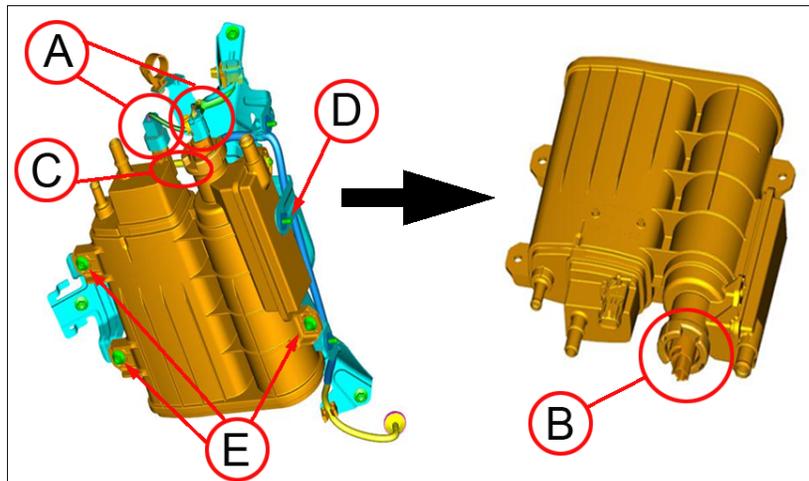
Tightening Torque: 9 -12 N·m {92 -122 kgf·cm, 80 - 106 in·lbf}



6. Remove the charcoal canister.
 - a. Disconnect the connectors (A) from the charcoal canister.
NOTE: DO NOT remove the canister vent (CV) solenoid valve (B).

- b. Remove the hose (C).
 - c. Remove the nuts (D) and bolts (E).

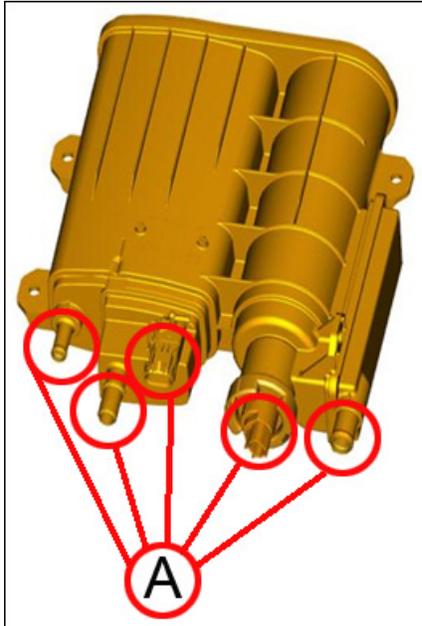
Tightening Torque: 9 -12 N·m {92 -122 kgf·cm, 80 - 106 in·lbf}



STEP 8. INSPECT CHARCOAL CANISTER (See DEALER INVENTORY VEHICLE NOTE on page 2.)

1. Clean the canister with a cloth. If the canister is covered with ice or mud, clean it with water, then wipe the remaining water off with a cloth.

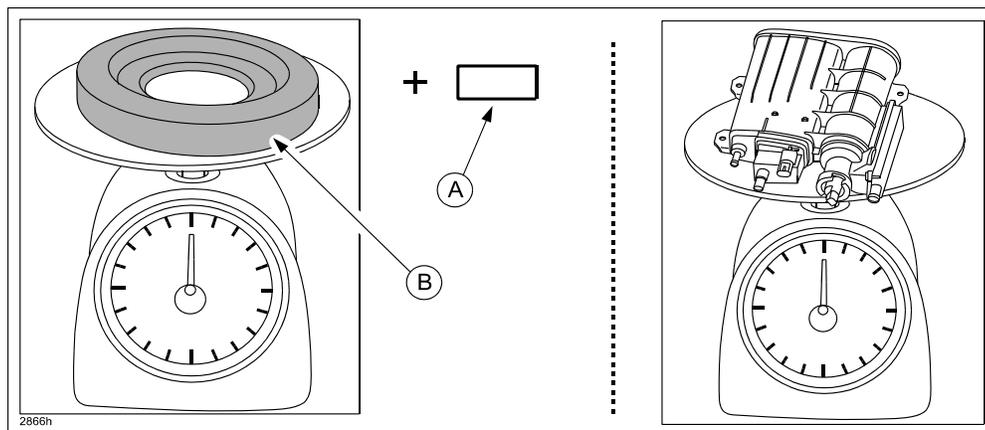
CAUTION: DO NOT allow water entry into pipes and connector (A).



2. Weigh and record the standard weight (B). Weigh and record the canister weight. Record both readings on the Check Sheet and compare.

- **If the canister is lighter than the standard weight:** Install the original charcoal canister.
- **If the canister and the standard weight are equal:** Install the original charcoal canister.
- **If the canister is heavier than the standard weight:** Replace the charcoal canister with a new one.

NOTE: For PZEV (JM1GJ ***** 100001 - 113750), add a 60g and a 5g wheel balance weights (A) to the standard weight (2108±5g) (B). (Canister Part No.: PY1F-13-96Z)



3. Install the parts in the reverse order of removal.

STEP 9. INSTALL CHARCOAL CANISTER (See DEALER INVENTORY VEHICLE NOTE on page 2.)

Install the parts in the reverse order of removal. Refer to STEP 7: REMOVE CHARCOAL CANISTER.

STEP 10. OWNER'S MANUAL PAGE AMENDMENT

Amend the pages "Fuel- Filler Lid and Cap" of the Owner's Manual by attaching the replacement leaflet to the pages. Be sure to attach them within the red dotted frame as shown.

NOTE:

- Amended pages are included in Gasket Kit GJY0-42-A60A.
- Inform the customer of the newly amended Owner's Manual pages.

Before Driving
Fuel and Emission

Fuel-Filler Lid and Cap

⚠ WARNING
When removing the fuel-filler cap, loosen the cap slightly and wait for any hissing to stop. Then remove it: Fuel spray is dangerous. Fuel can burn skin and eyes and cause illness if ingested. Fuel spray is released when there is pressure in the fuel tank and the fuel-filler cap is removed too quickly.

Before refueling, stop the engine, and always keep sparks and flames away from the filler neck.

Fuel vapor is dangerous. It could be ignited by sparks or flames causing serious burns and injuries. Additionally, use of the incorrect fuel-filler cap or not using a fuel-filler cap may result in fuel leaks, which could result in serious burns or death in an accident.

⚠ CAUTION
(U.S.A. and Canada)
Always use only a genuine Mazda fuel-filler cap or an approved equivalent, available at an Authorized Mazda Dealer. The wrong cap can result in a serious malfunction of the fuel and emission control systems. It may also cause the check engine light in the instrument cluster to illuminate.

▼ Fuel-Filler Lid
To open, pull the remote fuel-filler lid release.



▼ Fuel-Filler Cap
To remove the fuel-filler cap, turn it counterclockwise. Attach the removed cap to the inner side of the fuel lid.



To close the fuel-filler cap, turn it clockwise until a click is heard.

Fuel-Filler Lid and Cap

⚠ WARNING
When removing the fuel-filler cap, loosen the cap slightly and wait for any hissing to stop. Then remove it: Fuel spray is dangerous. Fuel can burn skin and eyes and cause illness if ingested. Fuel spray is released when there is pressure in the fuel tank and the fuel-filler cap is removed too quickly.

Before refueling, stop the engine, and always keep sparks and flames away from the filler neck.

Fuel vapor is dangerous. It could be ignited by sparks or flames causing serious burns and injuries. Additionally, use of the incorrect fuel-filler cap or not using a fuel-filler cap may result in fuel leaks, which could result in serious burns or death in an accident.

Do not continue refueling after the fuel pump nozzle shuts off automatically. Continuing to add fuel after the fuel pump nozzle has shut off automatically is dangerous because overflowing the fuel tank may cause fuel overflow or leakage. Fuel overflow and leakage could damage the vehicle and if the fuel ignites it could cause a fire and explosion resulting in serious injury or death.

⚠ CAUTION
(U.S.A. and Canada)
Always use only a genuine Mazda fuel-filler cap or an approved equivalent, available at an Authorized Mazda Dealer. The wrong cap can result in a serious malfunction of the fuel and emission control systems. It may also cause the check engine light in the instrument cluster to illuminate.

▼ Fuel-Filler Lid
To open, pull the remote fuel-filler lid release.



3-26

Before Driving
Fuel and Emission

⚠ CAUTION
(U.S.A. and Canada)
If the check fuel cap warning light illuminates, the fuel-filler cap may not be properly installed. If the warning light illuminates, park your vehicle safely off the right-of-way, remove the fuel-filler cap and reinstall it correctly. After the cap has been correctly installed, the fuel cap warning light may continue to illuminate until a number of driving cycles have been completed. A drive cycle consists of starting the engine (after four or more hours with the engine off) and driving the vehicle on city and highway roads. Continuing to drive with the check fuel cap warning light illuminated could cause the check engine light to illuminate as well.

▼ Fuel-Filler Cap
To remove the fuel-filler cap, turn it counterclockwise. Attach the removed cap to the inner side of the fuel lid.

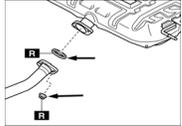
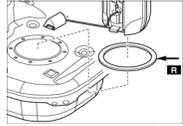


To close the fuel-filler cap, turn it clockwise until a click is heard.

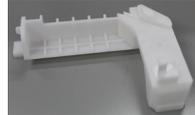
⚠ CAUTION
(U.S.A. and Canada)
If the check fuel cap warning light illuminates, the fuel-filler cap may not be properly installed. If the warning light illuminates, park your vehicle safely off the right-of-way, remove the fuel-filler cap and reinstall it correctly. After the cap has been correctly installed, the fuel cap warning light may continue to illuminate until a number of driving cycles have been completed. A drive cycle consists of starting the engine (after four or more hours with the engine off) and driving the vehicle on city and highway roads. Continuing to drive with the check fuel cap warning light illuminated could cause the check engine light to illuminate as well.

3-27

PART(S) INFORMATION

| Part Number | Description | Qty. | Notes | Image |
|-----------------|---|------|--|---|
| GJY0-42-A17 | Shut Off Valve (SOV) Adapter | 1 | --- |  |
| GJY0-42-A60A | Gasket Kit | 2 | Main Silencer Nuts (9994-61-000) |  |
| | | 1 | Main Silencer Gasket (PE23-40-305) | |
| | | 1 | Fuel Pump Unit Packing (BBM2-42-166A) |  |
| | | 1 | Quick Release Connector Retainer (CC43-42-693) |  |
| | | 1 | Replacement leaflet for Owner's Manual | --- |
| PY1J-13-96Z | Canister | 1 | Non-PZEV and PZEV with VINs JM1GJ ***** 113751 or higher Only replace if canister weight exceeds standard weight |  |
| PY1F-13-96Z | Canister | 1 | PZEV (JM1GJ ***** 100001-113750) Only replace if canister weight exceeds standard weight + wheel balance weights | |
| 9999-95-065A-06 | Campaign Label | 1 | Available in MStore |  |
| 9999-95-ERPC-99 | Vehicle Emission Recall - Proof of Correction Certificate | 1 | Available in MStore Required if the vehicle is registered in the state of California or Massachusetts |  |

SPECIAL SERVICE TOOL(S)

| Part Number | Description | Qty. | Notes | Image |
|--------------------|----------------------------|-------------|---|---|
| Locally Sourced | Weight Scale | 1 | One per dealer For weighing canister |  |
| GJY0-56-1Z2 | Standard Weight | 1 | One per dealer For mass measurement (Shipped to dealers) | |
| 99658-20005 | Wheel Balance Weight (5g) | 1 | Only required for PZEV (JM1GJ***** 100001 -113750) (Shipped to CALIF dealers) |  |
| 99658-20060 | Wheel Balance Weight (60g) | 1 | | |
| GJY0-42-A21 | Adapter Installer | 1 | One per dealer For Adapter installation (Shipped to dealers) |  |

C. CAMPAIGN LABEL INSTALLATION

1. Fill out a blue "Campaign Label" (9999-95-065A-06) with Campaign No: "7414D", your dealer code, today's date.

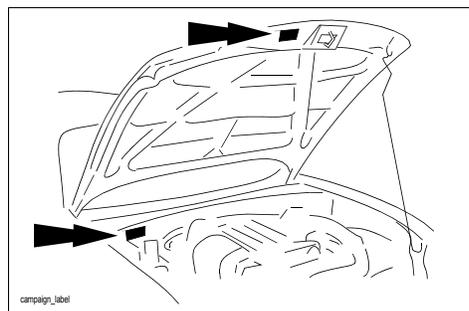
CAMPAIGN LABEL

| |
|-------------------------|
| CAMPAIGN NO: _____ |
| DEALER CODE: _____ |
| DATE: // // |

P/N 9999-95-065A-06

1326b

2. Affix the Campaign Label to the hood or bulkhead as shown:



3. If the vehicle is registered in the state of California or Massachusetts, provide the customer a Vehicle Emission Recall - Proof of Correction Certificate (p/n 9999-95-ERPC-99).

mazda Vehicle Emission Recall - Proof of Correction

| | | | |
|--|-----------------------------------|------------------------------|-----------|
| Vehicle Identification Number | | | |
| | | | |
| License Number | Make | Year Model | Body Type |
| Manufacturer: MAZDA NORTH AMERICAN OPERATIONS | | Recall Number | |
| The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws (or California emission control laws adopted by your state or commonwealth). | | | |
| Dealer's Name | | Address, City, State and Zip | |
| Date | Dealership's Authorized Signature | | |
| <small>Retain this certificate and return to the Department of Motor Vehicle (DMV) if it is requested by the DMV. www.dmv.ca.gov</small> | | | |

NOTE: California Department of Motor Vehicles and the Commonwealth of Massachusetts, in conjunction with the California Air Resources Board and the Environmental Protection Agency for the State of Massachusetts, have implemented the Registration Renewal/Recall Tie-In Program, which requires the completion of Emission Recalls prior to registration renewal. Mazda dealers must provide customers a Vehicle Emission Recall - Proof of Correction Certificate (p/n 9999-95-ERPC-99) upon completion of the recall.

4. Return the vehicle to the customer.



IMPORTANT SAFETY AND EMISSION RECALL

**2014 Mazda6 equipped with 2.5L Engine
Fuel in Canister - Safety and Emission Recall 7414D
NHTSA Campaign No. 14V-170**

May 2014

VIN _____

Dear Mazda Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Mazda Motor Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2014 model year Mazda6 vehicles equipped with 2.5L engine and produced from October 25, 2012 through May 9, 2013.

If you are a recipient of this notice, your vehicle is included in this recall.

What is the problem?

On certain 2014 Mazda6 vehicles, it is possible to refuel beyond the fuel tank capacity. If over-fueling is followed by a large temperature change, the fuel volume may expand and potentially enter the charcoal canister. With this condition, the malfunction indicator light may illuminate, and if the fuel exceeds the canister capacity, fuel leakage could occur, increasing the risk of a fire.

What will Mazda do?

Your Mazda dealer will install an adapter in the fuel tank to reduce the possibility of overfilling during refueling. The canister will be inspected and replaced if necessary. In addition, an addendum containing a caution about overfilling the fuel tank will be attached to your Owner's Manual.

The inspection and repair will be performed free of charge, and will take approximately two hours to complete; however, it may take longer depending on the service workload at your Mazda dealership.

As a reminder, Mazda may provide alternate transportation when your vehicle is at an authorized Mazda dealership for a warranty repair. To be eligible for alternate transportation, your vehicle must be within the mileage and time limitations under the Mazda New Vehicle Limited Warranty or Powertrain Limited Warranty for 2007 and newer model years, and adhere to the Rental Car

Reimbursement policy. Ask your dealer for details about the Mazda Rental Car Reimbursement Program.

What should you do?

Mazda is concerned about your safety. Please contact an authorized Mazda dealer to schedule an appointment to have this recall completed as soon as possible. You do not need to bring this notice to the dealer, but it may assist in the check-in process. **When you visit your dealer, please bring the Owner's Manual of your Mazda6 vehicle, so the dealer can attach the addendum to your manual.** Also, if possible please bring your vehicle to the dealer with less than half a tank of fuel remaining. This will reduce the repair time.

Emission Law Information:

To ensure your full protection under the emission warranty made applicable to your vehicle by State or Federal Law, and your right to participate in future recalls, it is recommended you have your vehicle or engine serviced as soon as possible. Failure to do so could be determined as lack of proper maintenance of your vehicle. Also, your vehicle may fail a state or local emission inspection if this recall is not completed.

Important notice to owners registering vehicles in California and Massachusetts: California Department of Motor Vehicles and the Commonwealth of Massachusetts, in conjunction with the California Air Resources Board and the Environmental Protection Agency for the State of Massachusetts, have implemented the Registration Renewal/Recall Tie-In Program, which requires the completion of Emission Recalls prior to registration renewal. Mazda dealers will provide a Vehicle Emission Recall - Proof of Correction Certificate upon completion of the recall. Be sure to keep the proof of correction certificate provided by the Mazda Dealer until needed for the registration renewal process.

What if you already paid for canister repair?

If you have already paid for canister inspection, repair, or replacement due to malfunction indicator light illumination and/or fuel leak, prior to receiving this notice, you may be eligible for reimbursement of reasonable repair expenses based on Mazda's repair standards.

Please complete the enclosed "Reimbursement Application Form", include the necessary documentation, and mail it to us in the pre-addressed envelope provided, allowing 6-8 weeks for processing.

Where is the closest Mazda dealer?

To locate your nearest Mazda dealer, visit our web site and use our "Locate a Dealer" feature at www.MazdaUSA.com or consult your local yellow pages.

Moved or no longer own this vehicle?

If you have moved or no longer own your Mazda vehicle, please complete the enclosed prepaid *Information Change Card* as soon as possible. This enables us to update our records and notify the current owner.



Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Still have questions?

If you have any questions regarding this campaign, please contact our Customer Experience Center at (800) 222-5500, option #6.

If Mazda or its dealers do not repair the defect free of charge and within a reasonable amount of time, you may notify the Administrator of the National Highway Traffic Safety Administration, 1200 New Jersey Ave., SE., Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

We actively work to improve our products and search for solutions to improve your ownership experience. Please accept our apologies for any inconvenience this recall may have caused you.

Sincerely,

Mazda North American Operations

REIMBURSEMENT PLAN

Requirements for Reimbursement

If you meet **all** of the following requirements, you are eligible to receive reimbursement under this plan:

1. You own or have owned a 2014 Mazda6 built between October 25, 2012 and May 9, 2013.
2. You have paid for canister inspection, repair or replacement due to malfunction indicator light (MIL) illumination and/or fuel leak, prior to launch of the recall campaign.
3. You have an original or legible copy of the paid repair order or invoice receipt showing:
 - Vehicle model and year, and vehicle identification number (VIN)
 - Your name and address at the time of repair
 - Description of the concern reported
 - Inspection, repair or replacement of the canister
4. Mail this reimbursement application form with the applicable payment receipts in the enclosed envelope to:

Mazda North American Operations
Attn: Recall Reimbursement Dept
P.O. Box 57085
Irvine, CA 92619-7085

Procedure for Reimbursement Request

If your vehicle has had the canister inspected, repaired or replaced due to MIL illumination and/or fuel leak prior to the launch of the recall campaign, you may apply for reimbursement by doing the following:

1. Complete the Reimbursement Application Form found on the reverse side of this page.
2. Mail the Reimbursement Application Form with a legible copy of the paid repair order and/or invoice using the enclosed envelope. Include any applicable payment receipts, i.e. credit card receipt, cancelled check, etc.
3. **Retain copies** of the paid repair order or invoice and this application form for your records.
4. You will be reimbursed for the amount you have paid for the inspection, repair or replacement of the canister due to MIL illumination and/or fuel leak.

If you wish to correspond with Mazda regarding this reimbursement plan, please write to the above address and refer to your vehicle identification number (VIN).

Any reimbursement application form that is incomplete, illegible, or sent without the legible copy of the paid repair order or invoice will be returned for completion. If Mazda has any questions concerning your application for reimbursement, you may be contacted. Please allow 6-8 weeks for processing.

