



TO: All Mazda Dealership General Managers, Service Managers, and Parts Managers
DATE: April 2014
SUBJECT: 2010-2012 Mazda6 2.5L Engine Fuel Tank Safety and Emission Recall 7214C

Mazda Motor Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2010-2012 Mazda6 vehicles, equipped with a 2.5L engine and produced from September 14, 2009 through May 2, 2011.

On certain Mazda6 vehicles, a certain type of spider may weave a web in the evaporative canister vent line and this may cause a restriction in the line. If this occurs, the fuel tank pressure may become excessively negative when the emission control system works to purge the vapors from the canister. As the canister is purged repeatedly during normal operation, the stress on the fuel tank may eventually result in a crack, potentially leading to fuel leakage and an increased risk of fire. Mazda is not aware of any fires related to this condition.

Owners of affected vehicles will be notified by first class mail on April 30, 2014.

This package contains important information about Safety and Emission Recall 7214C:

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* 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:

1. 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.
2. 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.
3. For warranty questions, contact the Warranty Hotline at (877) 727-6626, Option 3.
4. For parts questions, contact the Corporate Dealer Assistance Group at (877) 727-6626 Option 2.
5. 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

ATTACHMENT I - DEALER INFORMATION
Safety & Emission Recall 7214C

CONDITION OF CONCERN

On certain Mazda6 vehicles, a certain type of spider may weave a web in the evaporative canister vent line and this may cause a restriction in the line. If this occurs, the fuel tank pressure may become excessively negative when the emission control system works to purge the vapors from the canister. As the canister is purged repeatedly during normal operation, the stress on the fuel tank may eventually result in a crack, potentially leading to fuel leakage and an increased risk of fire. Mazda is not aware of any fires related to this condition.

SUBJECT VEHICLES

Model	VIN Range	Build Date Range
2010 Mazda6 2.5L	1YV HZ**** A5 M10780 – M58889	September 14, 2009 through May 2, 2011
2011 Mazda6 2.5L	1YV HZ**** B5 M00002 – M28062	
2012 Mazda6 2.5L	1YVHZ8DH7C5M00002	Built on March 28, 2011

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

OWNER NOTIFICATION

Mazda will notify U.S. owners by first class mail on April 30, 2014.

PARTS INFORMATION

Description	Part Number	Quantity	Notes
Hose Clip	GS3L-42-556	0 - 1	If necessary (when damaged during inspection/repair)
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)



* 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.

ATTACHMENT I - DEALER INFORMATION
Safety & Emission Recall 7214C

Necessary parts when the spider web is found at inspection:

Description	Part Number	Quantity	Notes
Fuel Tank Kit	GSYL-42-100	1	Components: - Fuel Tank (GS3L-42-110D), 1 - Pad (GS3L-42-761), 4 - Pad (GS3L-42-762), 4 - Fuel Tank Pad (GS3L-42-763A), 1 - 'O' Ring (GS3L-42-165), 1
Evaporative Chamber Check Valve	GS3L-42-910	1	
Seal Ring	L598-40-581	1	
Exhaust Pipe Gasket	L505-40-305B	1	
Retaining Clip	E113-42-693	1	
Retaining Clip	CC43-42-693	1 - 2	Quantity will depend on the type of tool used for the repair.

SPECIAL SERVICE TOOL

Description	Part Number	Notes
Long-handled Brush	MAZ6BRUSH	Automatically shipped free of charge.

PARTS ORDERING

Orders for the **Fuel tank Kit (P/N GSYL-42-100)** will only be accepted through the Dealer Assistance Group (DAG) website "eMail Inquiries" page as follows:

1. Go to the Dealer Assistance Group web page, or click on the link below:
https://portal.mazdausa.com/dealershome/service_parts/dag/index.htm
2. Click on "eMail Inquiries" at the top of the screen
3. Click on "Corporate Dealer Assistance Group" – Recall and Restricted Parts Orders
4. Fill in the following required fields:
 - First name
 - Last name
 - Phone Number
 - Email Address
 - MNAO Sales Order: (enter the PO number you would like to use for the order or simply enter N/A)
 - Part Number
 - Techline Ref #: (Leave Blank)
 - Comments: Enter the VIN(s) of the vehicle(s) requiring the part(s). VIN is required for the order to be placed. Also, if you require more than one part number, enter the additional part numbers here.

Once all the fields have been entered, click on the "Submit" button. This sends an email to DAG. Your order will be placed as a CSO order with the freight charge waived, and you will be emailed confirmation of the order and the order number. You do not need to call DAG once this email request has been sent.

ATTACHMENT I - DEALER INFORMATION
Safety & Emission Recall 7214C

WARRANTY CLAIM PROCESSING INFORMATION

	No Spider web found	Spider web found
	- Canister Vent Line Inspection & Cleaning - PCM Reprogramming	- Canister Vent Line Inspection & Cleaning - PCM Reprogramming - Replacement of Fuel Tank & Evaporative Chamber
Warranty Type	R	R
Symptom Code	99	99
Damage Code	99	99
Process Number	AE005A	AE005B
Part Number Main Cause & Quantity	GSYL-42-100 / 0	GSYL-42-100 / 1
Related Part Number & Quantity	GS3L-42-556 / 0-1	GS3L-42-556 / 0-1 GS3L-42-910 / 1 L598-40-581 / 1 L505-40-305B / 1 E113-42-693 / 1 CC43-42-693 / 2
Labor Operation Number	XXK5YAFX	XXK5YBFX
Labor Hours	0.6 hrs	2.5 hrs

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	5555-72-14CR	5555-72-14CL
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.

VERIFY THE VEHICLE NEEDS THE RECALL

1. Verify the vehicle is within the following ranges:

Model	VIN Range	Build Date Range
2010 Mazda6 2.5L	1YV HZ**** A5 M10780 – M58889	September 14, 2009 through May 2, 2011
2011 Mazda6 2.5L	1YV HZ**** B5 M00002 – M28062	
2012 Mazda6 2.5L	1YVHZ8DH7C5M00002	Built on March 28, 2011

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 7214C** attached to the vehicle's hood or bulkhead.

eMDCS System - Vehicle Status Inquiry Results

If eMDCS displays:	Campaign Label is:	Action to perform:
RECALL 7214C	Present	Contact the Warranty Hotline at (877) 727-6626, option 3, to update vehicle history
	Not present	Proceed to "REPAIR PROCEDURE".
RECALL 7214C CLOSED	Present	Return vehicle to inventory or customer.
	Not present	Complete a label and apply to vehicle's hood or bulkhead.
RECALL 7214C 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.

2010-2012 MAZDA6 2.5L ENGINE FUEL TANK SAFETY AND EMISSION RECALL 7214C

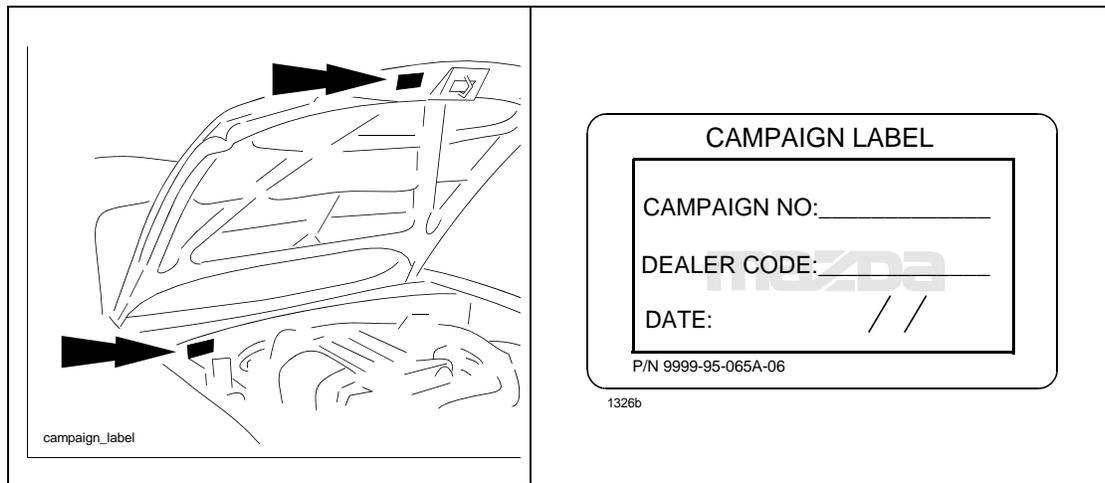
A. VEHICLE INSPECTION PROCEDURE

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

Model	VIN Range	Production Date Range
2010 Mazda6 2.5L	1YVHZ****A5M10780 – M58889	From September 14, 2009 through May 2, 2011
2011 Mazda6 2.5L	1YVHZ****B5M00002 – M28062	
2012 Mazda6 2.5L	1YVHZ8DH7C5M00002	Built on March 28, 2011

- 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 **7214C** 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

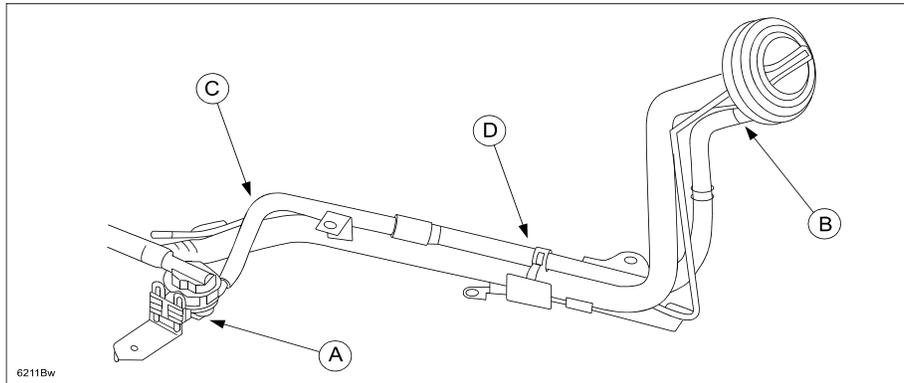
If eMDCS displays:	Campaign Label is:	Action to perform:
7214C OPEN	Present	Contact the Warranty Hotline at (877) 727-6626 to update vehicle history.
	Not present	Proceed to "B. INSPECTION AND REPAIR OUTLINE".
7214C CLOSED	Present	Return vehicle to customer.
	Not present	Proceed to "F. CAMPAIGN LABEL INSTALLATION".
7214C is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to customer.

B. INSPECTION AND REPAIR OUTLINE

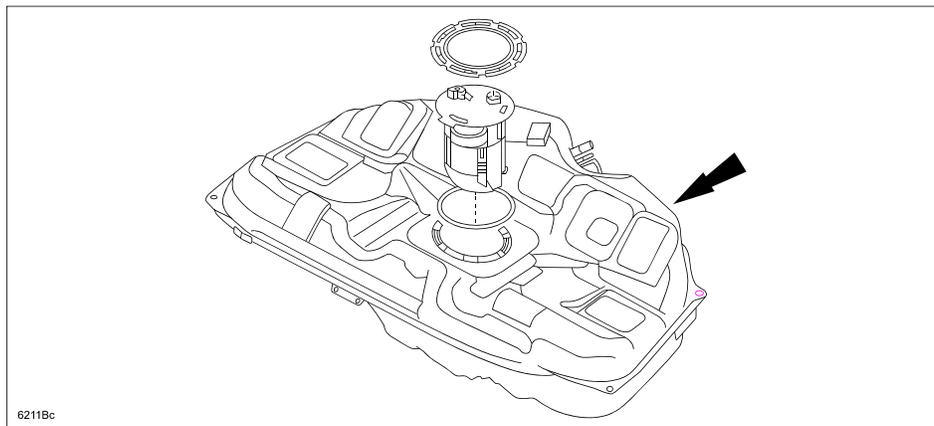
1. Visually inspect inside of the evaporative chamber (A) and vent port (B) to verify if spider webs are present or not. Insert the SST (Spider Brush: Part Number "MAZ6BRUSH") into the vent port and short ventilation hose (C) and long ventilation hose (D) and verify if spider webs are present or not.

NOTE: This operation doubles as cleaning of the vent port and hoses.

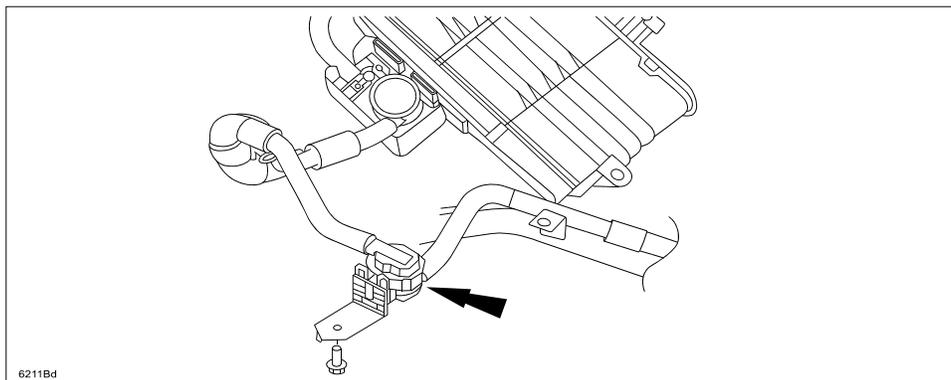
- If spider webs are not found during the inspection, perform Step 2 (reprogram PCM) only.
- If spider webs are found during the inspection, perform Step 2 (reprogram PCM) and Step 3 (replace fuel tank/evaporative chamber).



2. Reprogram the PCM.
3. Replace the fuel tank and evaporative chamber with new parts.
 - a. Drain all fuel from the fuel tank, then replace the fuel tank and related parts with new ones.



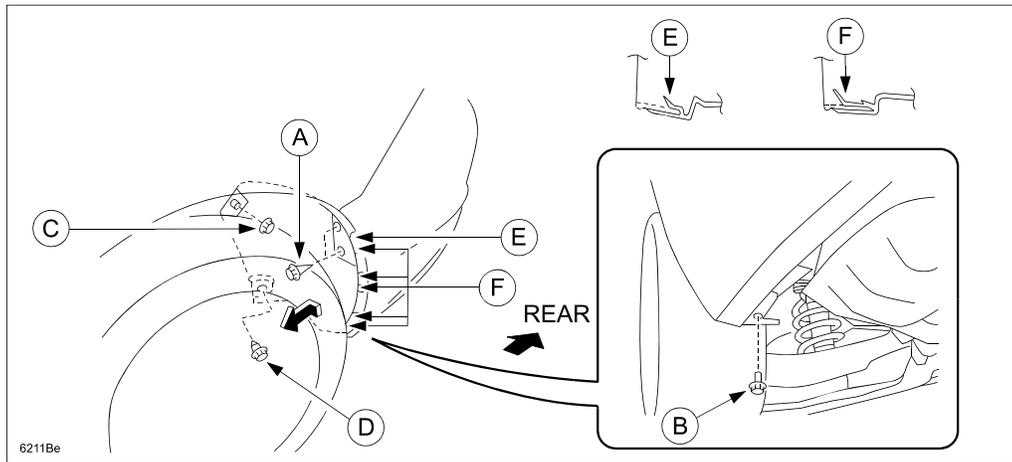
- b. Replace the evaporative chamber with a new one.



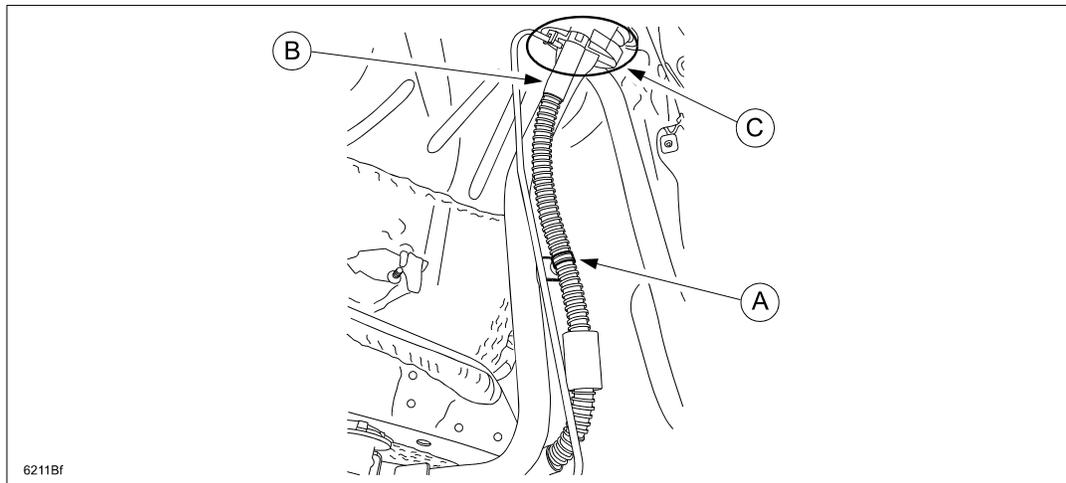
C. INSPECTION AND REPAIR PROCEDURE

Disassembly:

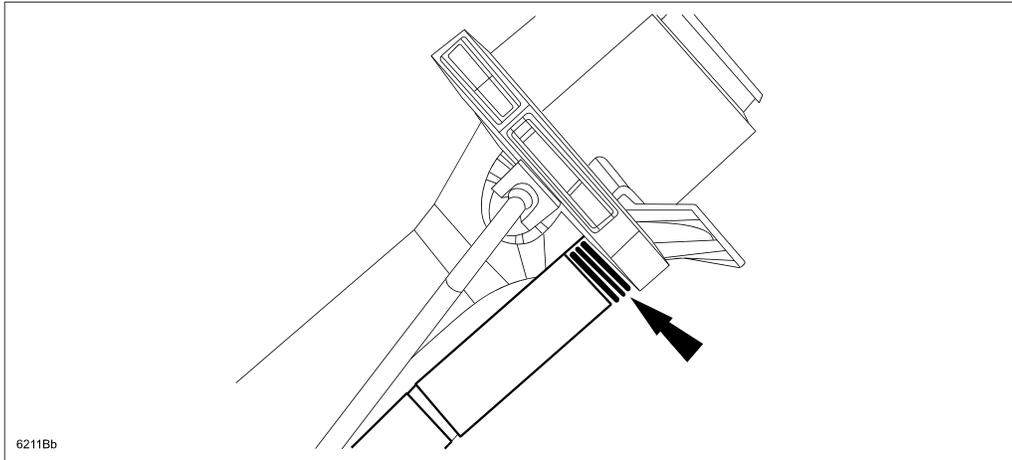
1. Safely lift the vehicle on a hoist.
2. Remove the left rear wheel.
3. Remove the splash shield.
 - Remove screws (A) and (B), cap nut (C) and fastener (D).
 - Pull the splash shield in the direction of the arrow (as shown below).
 - Remove tabs (E) and (F).



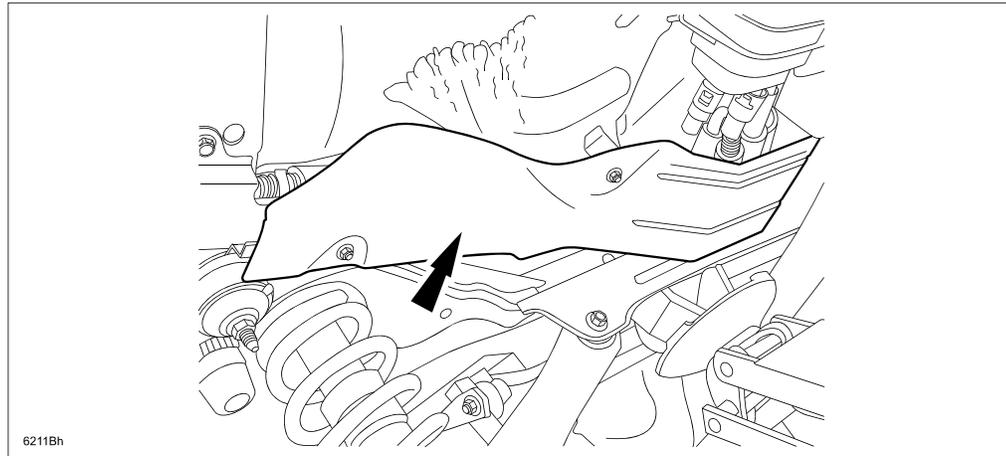
4. Detach hose clip (A), then disconnect the long ventilation hose coupler (B) and the spring from vent port nipple (C).



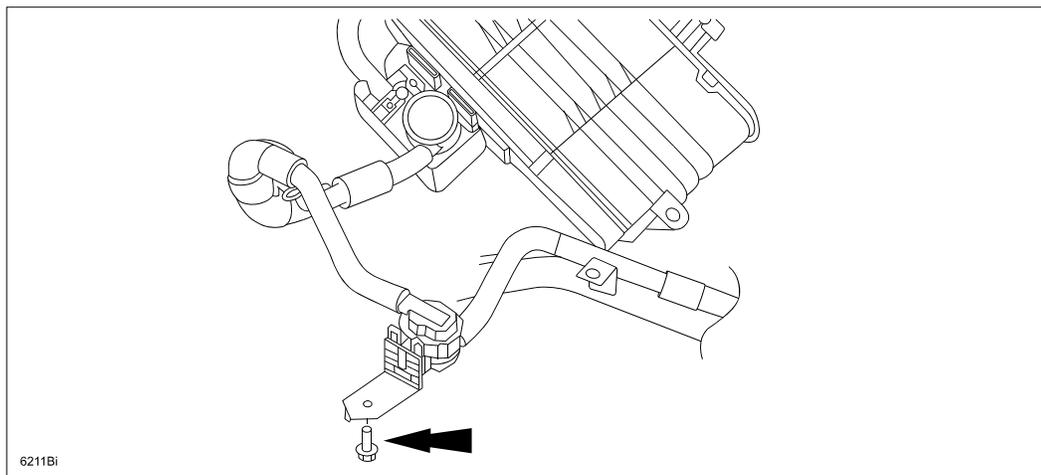
NOTE: Do not lose the spring when disconnecting the long ventilation hose coupler (B) from the vent port nipple (C).



5. Remove the three (3) rear insulator nuts, then remove the rear insulator.

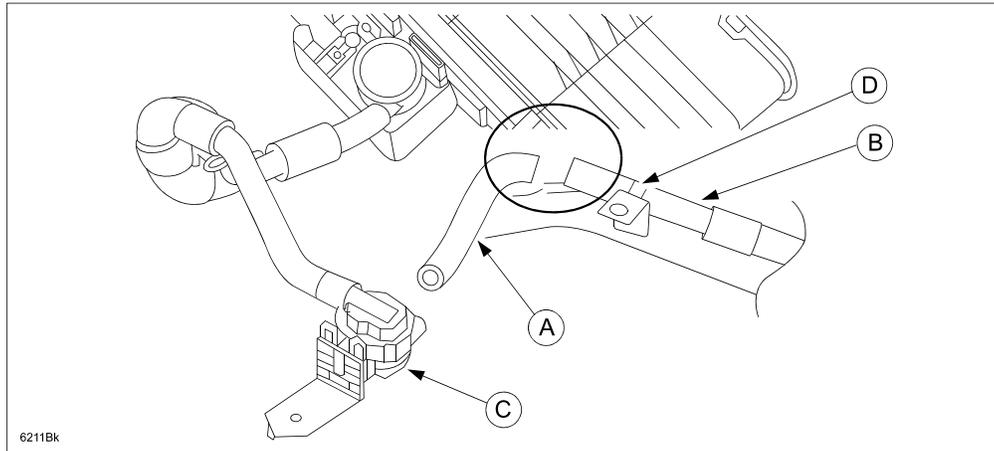


6. Remove the evaporative chamber bolt.



7. Disconnect the short ventilation hose (A) from the long ventilation hose (B), then disconnect the hose from the evaporative chamber (C).

NOTE: Support the long ventilation hose around the hose clip (D) by hand to prevent possible damage to the hose clip while disconnecting the short ventilation hose.

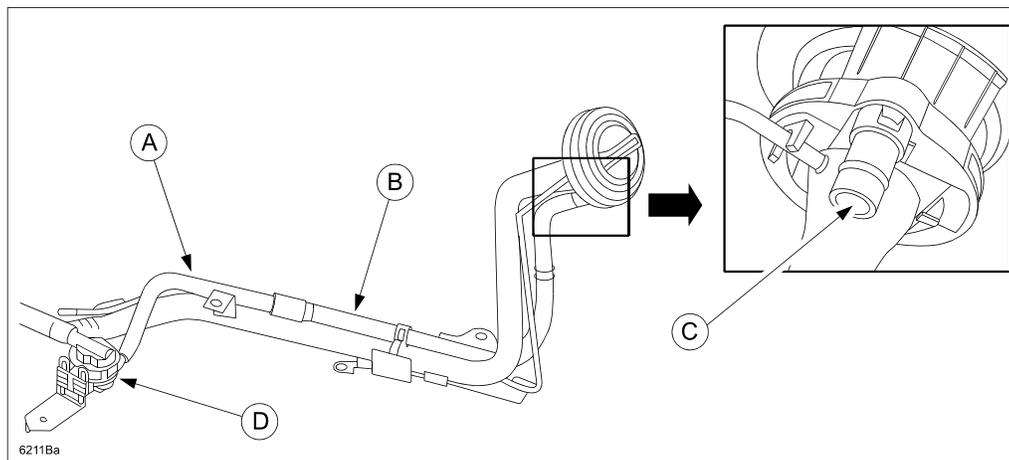


Inspection and Cleaning:

Parts to be inspected and cleaned:

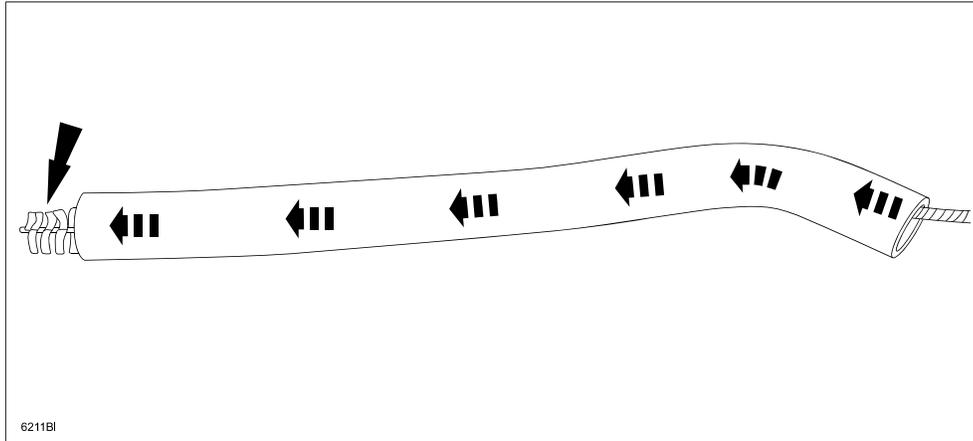
NOTE: Ensure the Spider Brush is clean before beginning the inspection/cleaning.

Using the Spider Brush SST, inspect the short ventilation hose (A), long ventilation hose (B), vent port nipple (C) and evaporative chamber (D) for spider webs.



Short Ventilation Hose:

- a. Run the brush through the short ventilation hose, then check the tip of the bush to see if spider webs are present or not.

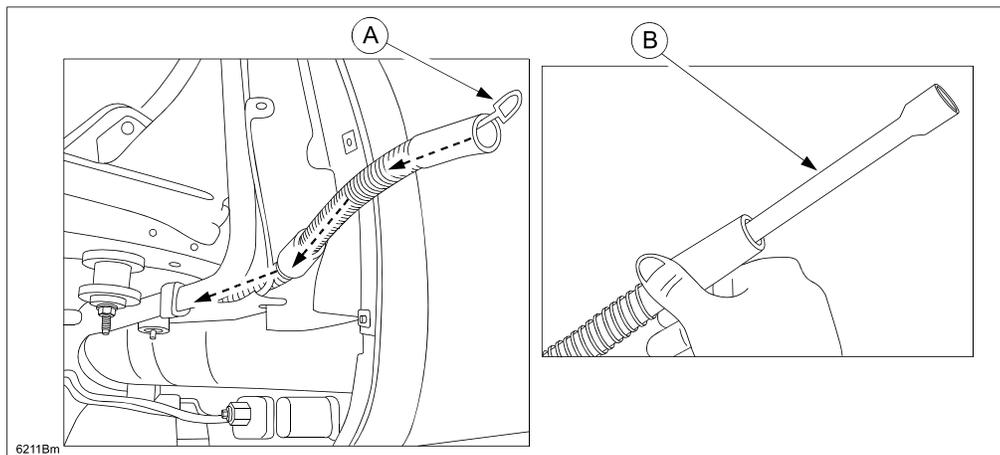


- b. Pull the brush out of the hose.
- c. Clean the brush of spider webs as necessary.

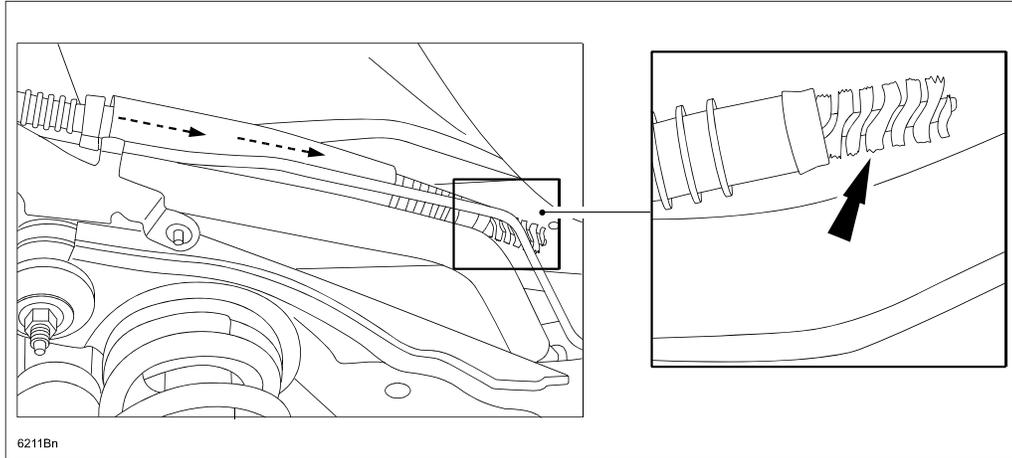
Long Ventilation Hose:

- a. Insert the brush into the long ventilation hose.

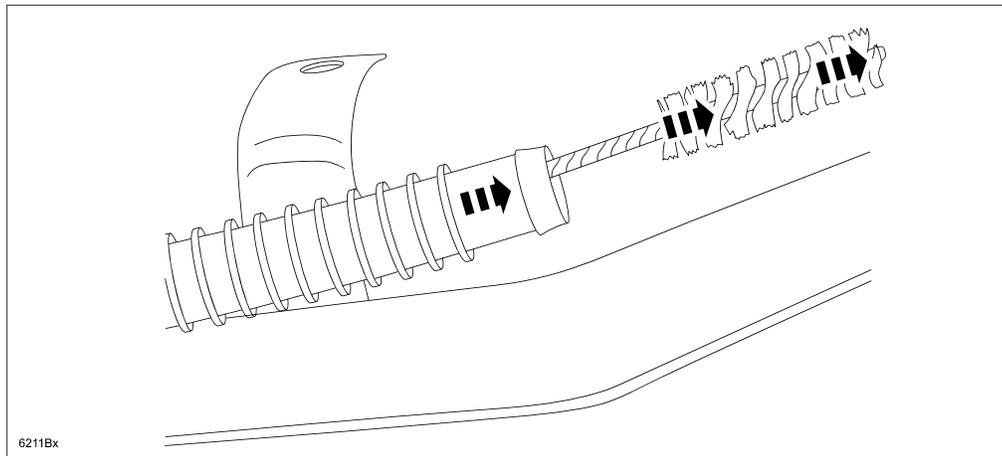
NOTE: To run the brush completely through the ventilation hose, first crimp the brush at the end ring (A) slightly to reduce its diameter, then insert it completely into the hose. Push it through using an 8 inch, 3/8 extension bar (B).



b. Check the tip of the brush to see if spider webs are present or not.



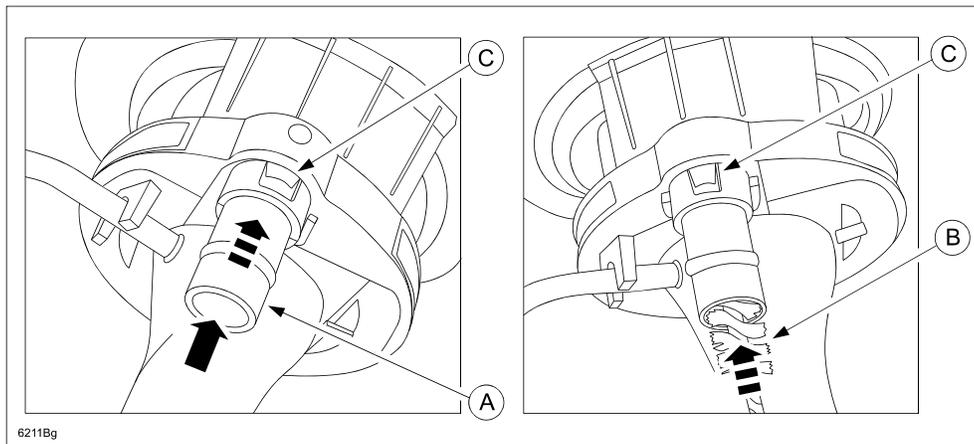
c. Pull the brush out of the hose.



d. Clean the brush of spider webs as necessary.

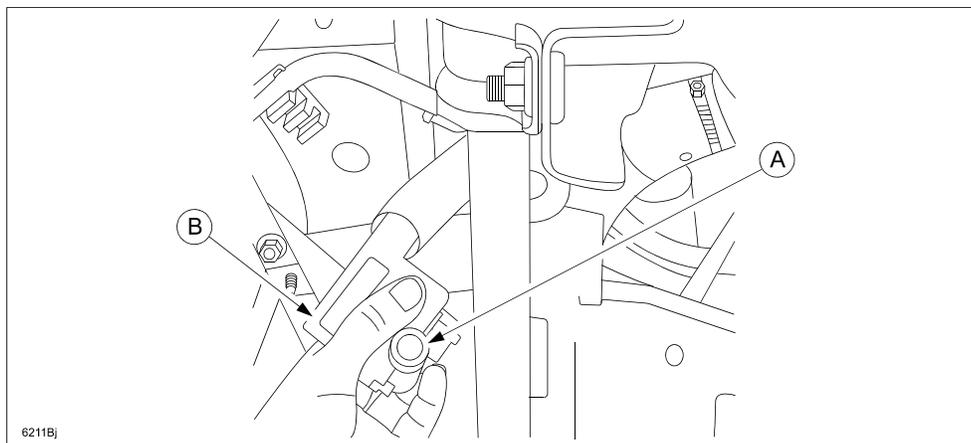
Vent Port Nipple:

- a. Visually check inside of the vent port nipple (A) to see if spider webs are present or not.
- b. Insert the brush (B) into the vent port (C) and pull it out. Check the brush to see if spider webs are present or not.



Evaporative Chamber:

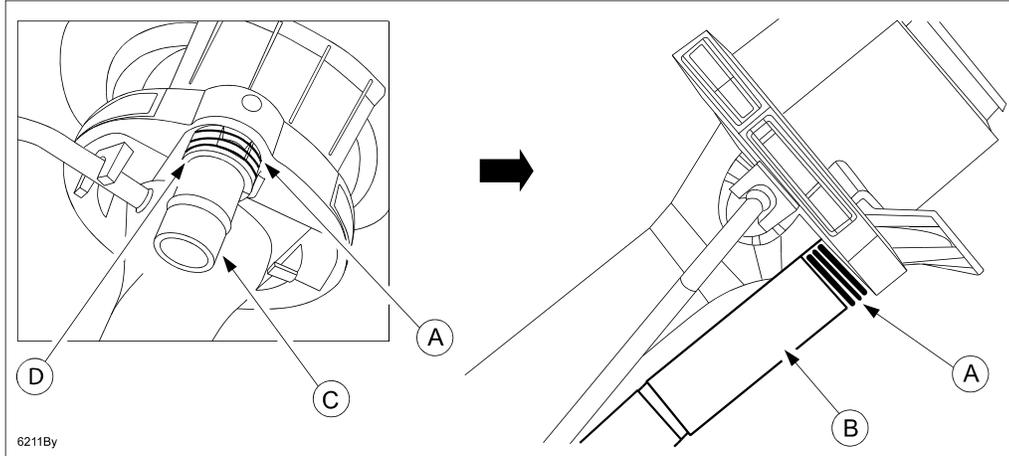
- a. Visually check location (A) inside of the evaporative chamber (B) and verify if spider webs are present or not.



- If spider webs ARE NOT FOUND in any one of the above inspections, proceed to and complete "D. PCM REPROGRAMMING" only.
- If spider webs ARE FOUND in any one of the above inspections, proceed to and complete "D. PCM REPROGRAMMING" and "E. FUEL TANK AND EVAPORATIVE CHAMBER REPLACEMENT".

Spring Installation:

1. Reinstall the spring (A) over the vent port.

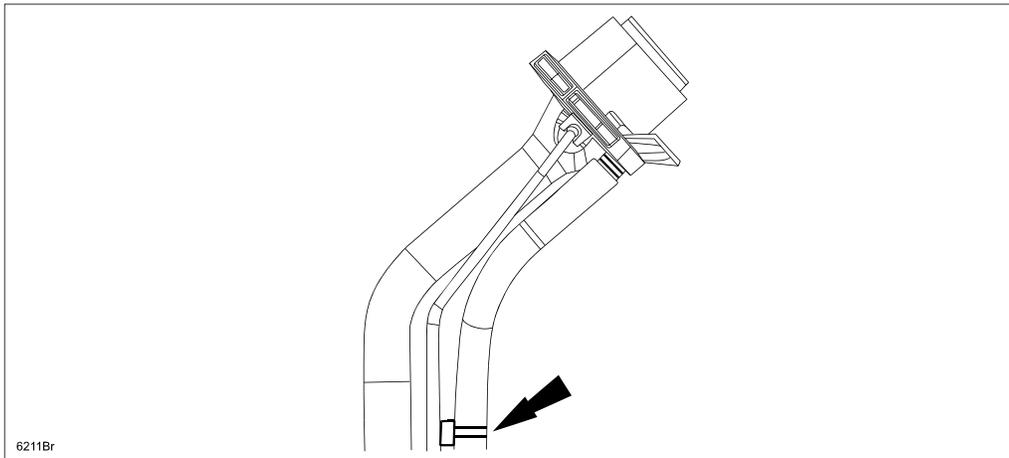


2. Reconnect the long ventilation hose coupler (B) onto the vent port nipple (C) until it completely contacts surface (D).

NOTE: Confirm that the spring (A) is properly aligned over the vent port.

3. Reattach the hose clip (GS3L-42-556) to the bracket.

NOTE: The hose clip is reusable, however, if it is damaged during detachment, replace it with a new one.



NOTE:

- For vehicles where spider webs WERE NOT FOUND during inspection, reinstall the original evaporative chamber onto the body.
- For vehicles where spider webs WERE FOUND during inspection, install a new evaporative chamber onto the body according to "E. FUEL TANK AND EVAPORATIVE CHAMBER REPLACEMENT".

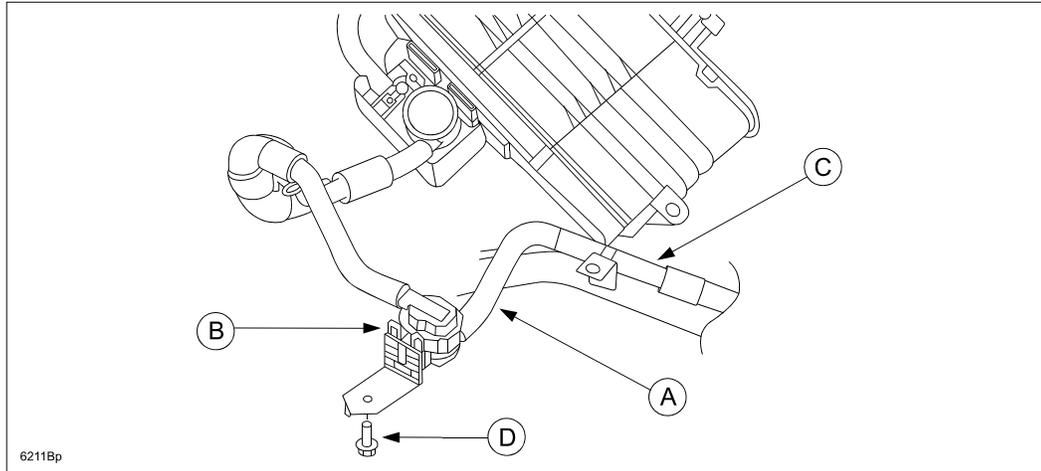
**ATTACHMENT II
7214C**

4. Reconnect the short ventilation hose (A) to the evaporative chamber (B), then connect to the long ventilation hose (C).

NOTE: Verify that the short ventilation hose is not twisted.

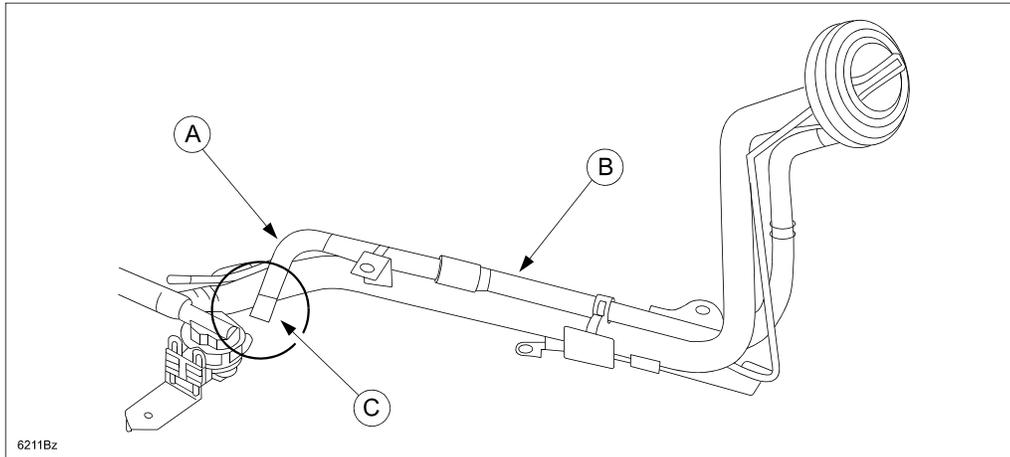
5. Reinstall evaporative chamber bolt (D).

Tightening Torque: 71-97 in. lbf., 8-11 N-m, 82-112 kgf-cm

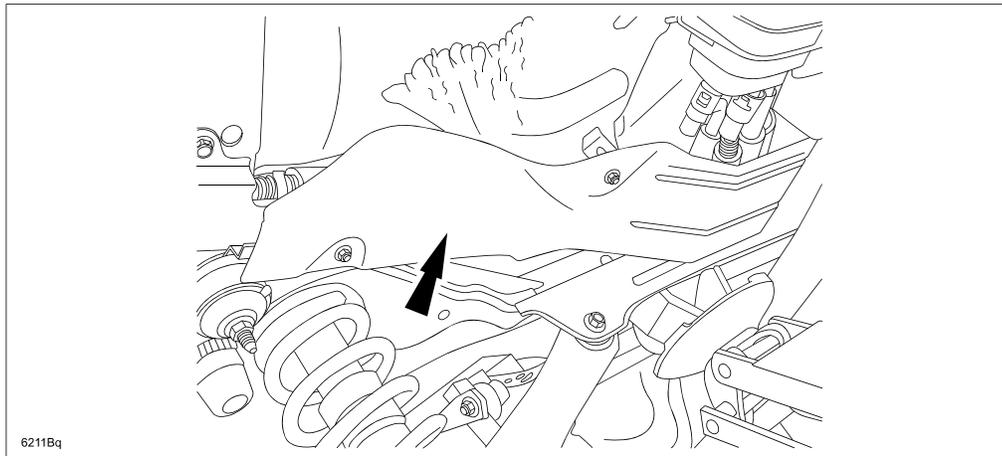


CAUTION: If a new evaporative chamber is not immediately available, make sure to put the parts back as follows to prevent re-entry of spiders into the hose.

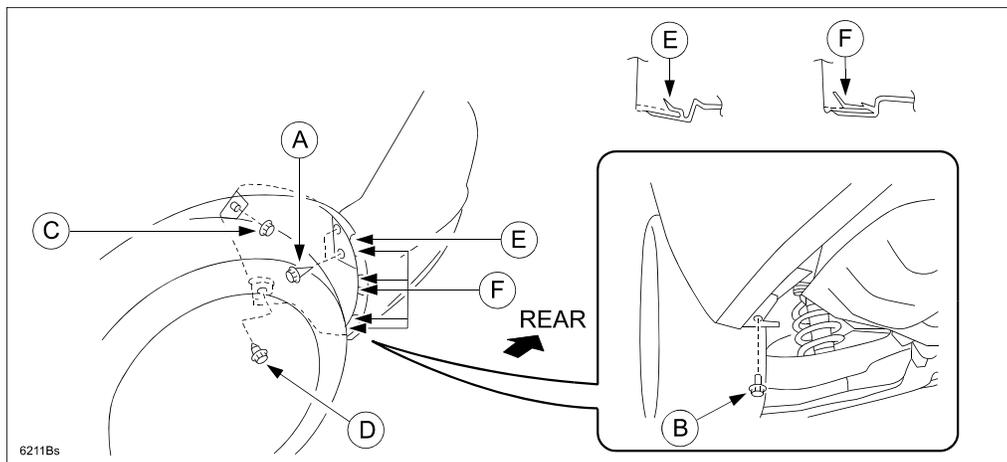
- Connect the short ventilation hose (A) to the long ventilation hose (B).
- Plug the other end of short ventilation hose (C) with a rag or tape. **DO NOT** connect it back to the original evaporative chamber as there may still be spiders inside.



6. Reinstall the rear insulator with three (3) nuts.
Tightening Torque: 62-86 in. lbf., 6.9-9.8 N-m, 71-99 kgf-cm



7. Reinstall the splash shield in reverse order of removal.
- Reinstall tabs (E) and (F).
 - Reinstall screws (A) and (B), cap nut (C) and fastener (D).



8. Reinstall the left rear wheel.
Tightening Torque: 65-87 ft. lbf., 88-118 N-m, 9.0-12 kgf-m
9. Safely lower the vehicle.
10. Proceed to "D. PCM REPROGRAMMING".

D. PCM REPROGRAMMING

1. Reboot the IDS to clear memory before PCM reprogramming.
2. Reprogram the PCM with Mazda Modular Diagnostic System (M-MDS) using IDS 90.01A or later software to the latest calibration (refer to "Calibration Information" table) by following the "Module Reprogramming" procedure.

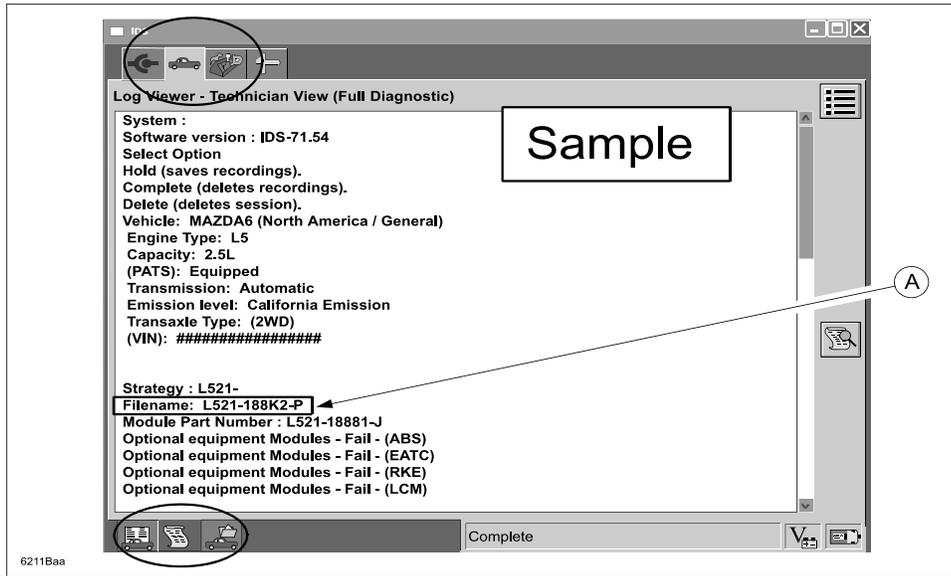
NOTE:

- Always update the IDS tool first, then follow on-screen instructions to download the needed calibration file for PCM reprogramming.
 - It is not necessary to remove any fuses or relays during PCM reprogramming when the IDS screen prompts you to do so. You may accidentally stop power to one of the PCM terminals and cause the PCM to be blanked, or you may receive error messages during the IDS reprogramming procedure.
 - Please be aware that PCM calibration part numbers and file names listed in any Service Bulletin may change due to future releases of IDS software, and additional revisions made to those calibrations for service related concerns.
 - **When performing this procedure, we recommend that a battery charger be installed on the vehicle battery and turned ON to a maximum charge of no more than 20 AMPS to keep the vehicle battery up to capacity. If you exceed 20 AMPS, it could damage the VCM.**
3. Start the engine and make sure there are no MIL illumination or abnormal warning lights present.

NOTE:

- It is not necessary to road test the vehicle to "relearn" KAM (Keep Alive Memory).
- If any DTCs should remain after performing DTC erase, diagnose the DTCs according to the appropriate Troubleshooting section of the Workshop Manual.
- If DTC UXXXX exists after reprogramming the PCM, clear all DTCs stored in the PCM.
- If DTC B10D9 exists after reprogramming the PCM, place the card key inside the cabin, then clear the DTC and check it again. (DTC B10D9 will exist when the card key gets broken or moved out of the cabin during PCM reprogramming.)
- If DTC C0051 exists after reprogramming the PCM, turn the IG ON and confirm the DSC indicator light illuminates and the DSC OFF light flashes.
 - a) Turn the steering wheel to full right lock, then turn it to full left lock.
 - b) Confirm that the DSC OFF light and DSC indicator light goes out.

4. Retain a copy of the “Log Viewer” screen on M-MDS along with the repair order and warranty application sheet. Check the Filename (A) after reprogramming PCM.



5. Once the PCM reprogramming is complete, proceed to the following:
- For vehicles where spider webs WERE FOUND during inspection, proceed to “E. FUEL TANK AND EVAPORATIVE CHAMBER REPLACEMENT”.
 - For vehicles where spider webs WERE NOT FOUND during inspection, proceed to “F. CAMPAIGN LABEL INSTALLATION”.

CALIBRATION INFORMATION

Model Year	Spec.	Transmission	File Name	New PCM Calibration Part
2010	Fed.	M/T	L557-188K2-F	L557-18881-F
2010	Fed.	A/T	L558-188K2-E	L558-18881-E
2010	Calif.	M/T	L559-188K2-F	L559-18881-F
2010	Calif.	A/T	L560-188K2-E	L560-18881-E
2010	Mexico	M/T	L561-188K2-F	L561-18881-F
2010	Mexico	A/T	L562-188K2-E	L562-18881-E
2011-2012	Fed.	M/T	L5A3-188K2-E	L5A3-18881-E
2011-2012	Fed.	A/T	L5A4-188K2-E	L5A4-18881-E
2011-2012	Calif.	M/T	L5A8-188K2-E	L5A8-18881-E
2011-2012	Calif.	A/T	L5A9-188K2-E	L5A9-18881-E
2011	Mexico	M/T	L5B1-188K2-C	L5B1-18881-C
2011	Mexico	A/T	L5B2-188K2-C	L5B2-18881-C

NOTE: These are not necessarily the same Mazda part numbers used to order an actual PCM through the Mazda Parts System. It is not necessary to order a PCM as part of this repair procedure.

E. FUEL TANK AND EVAPORATIVE CHAMBER REPLACEMENT

Perform the fuel tank and evaporative chamber replacement **ONLY** if spider webs were found during the inspection procedure above.

WARNING:

- Fuel line spills and leakage are dangerous. Fuel can ignite and cause serious injuries or death and damage. Fuel can also irritate skin and eyes. To prevent this, do not damage the sealing surface of the fuel pump unit when removing or installing.
- A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before draining fuel, make sure to discharge static electricity by touching the vehicle body.

CAUTION: Disconnecting/connecting the quick release connector without cleaning it may 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 foreign material.

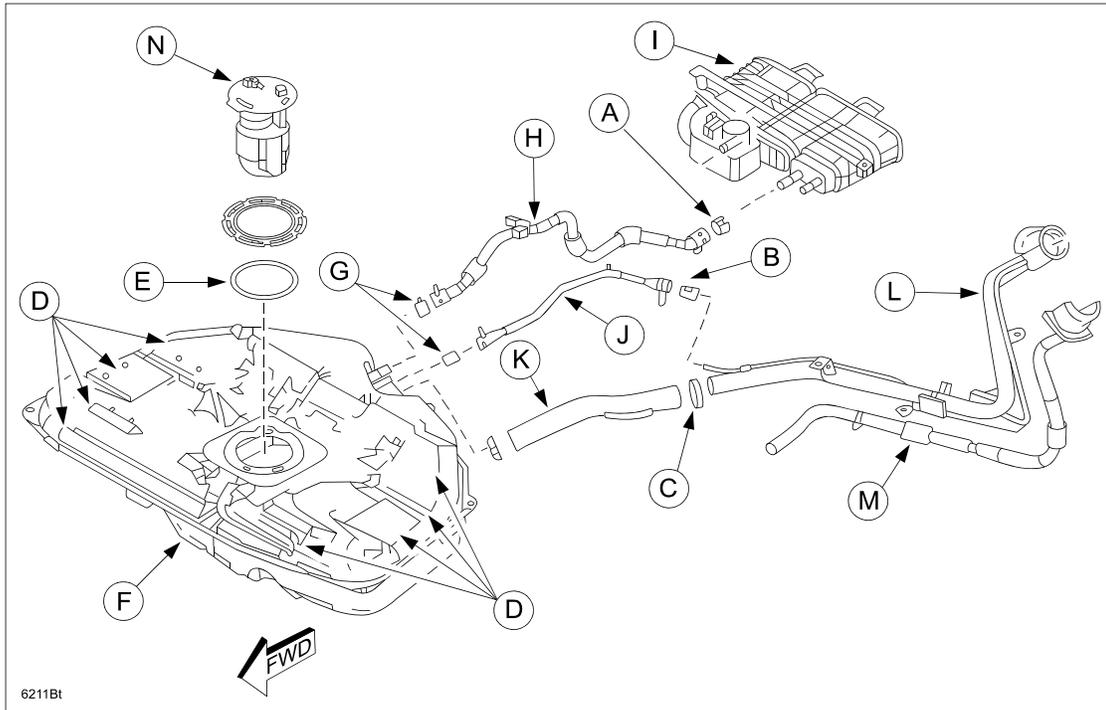
1. Record the customer's preset radio stations.
2. Drain all of the fuel from the fuel tank according to the MS3 online instructions or Workshop Manual (section 01-14A FUEL TANK REMOVAL/INSTALLATION [L5]).
3. Complete the "BEFORE SERVICE PRECAUTION" according to the MS3 online instructions or Workshop Manual (section 01-14A BEFORE SERVICE PRECAUTION [L5]).
4. Disconnect the negative battery cable.
5. Remove the rear seat bottom.
6. Remove the sending unit access cover.
7. Disconnect the sending unit connector and fuel line.
8. Remove the complete exhaust system according to the MS3 online instructions or Workshop Manual (section 01-15A EXHAUST SYSTEM REMOVAL/INSTALLATION [L5]).

NOTE: Make sure the converter flange is free from seal ring residue, debris and wear marks. If necessary, clean and polish the flange as described in TSB 01-007/14 (2009-2013 MAZDA6 2.5L A/T - UNUSUAL NOISE FROM EXHAUST PIPE SEAL RING).

9. Remove the large under tank heat shield.

NOTE:

- Replacement parts and pads are available as a fuel tank kit (GSYL-42-100).
- Replacement of exhaust system seal ring (L598-40-581) and gasket (L505-40-305B) is necessary.
- Replacement of retaining clips (tank side and canister side) for vent lines is necessary.
- Retaining Clip (Green): CC43-42-693, Qty.: 2
- Retaining Clip (Blue): E113-42-693, Qty.: 1

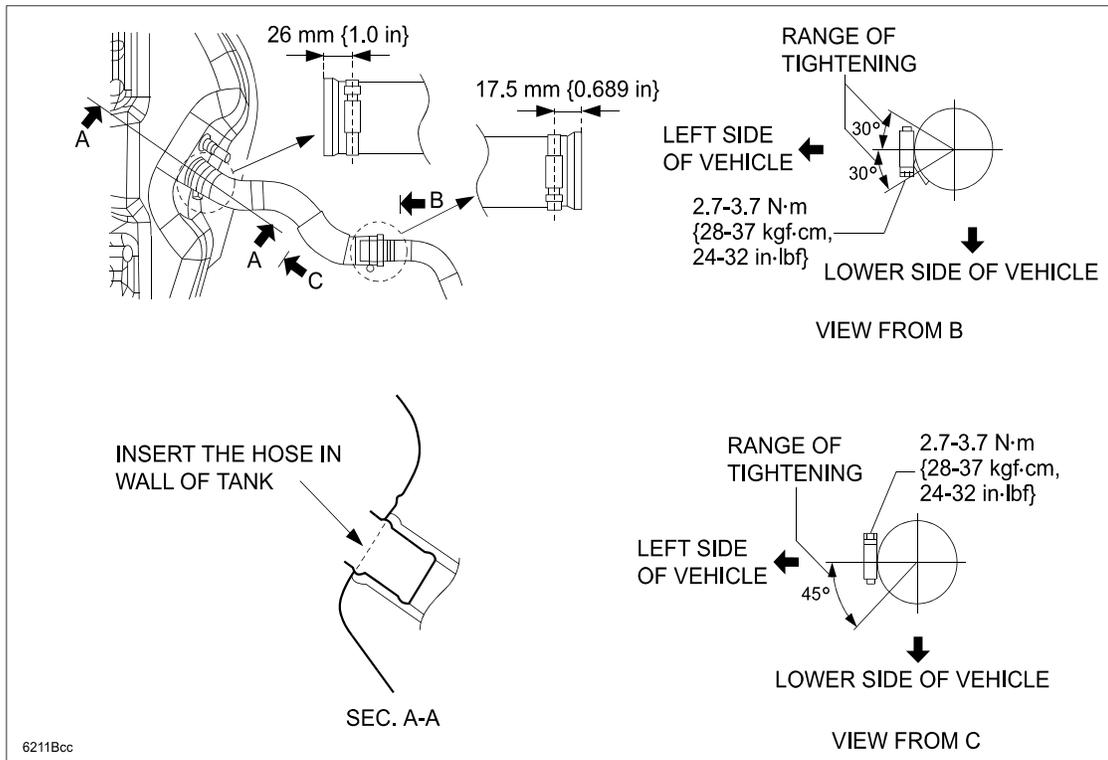


A	Disconnect Location "A"	H	Large Vent Line
B	Disconnect Location "B"	I	Canister
C	Disconnect Location "C"	J	Small Vent Line
D	Fuel Tank Pads - (replace)	K	Fuel Filler Hose
E	Fuel Pump O-Ring - (replace)	L	Fuel Filler Pipe Assy.
F	Fuel Tank - (replace)	M	Ventilation Hoses
G	Retaining Clips - (replace)	N	Fuel Pump

10. Disconnect the large vent line (H) from the canister (I) with a 5/8 inch quick release tool or SST 49E0-42-001 (See Disconnect Location "A" above).
11. Disconnect the FTP (fuel tank pressure sensor) connector from the FTP.
12. Disconnect the small vent line (J) from the small pipe using a 1/4 inch quick release tool or SST 49N0-13-103A (See Disconnect Location "B" above).
13. Disconnect fuel filler hose (K) from the fuel filler pipe (L) (See Disconnect Location "C" above).

14. Remove the plastic shield located at the left front of the fuel tank.
15. Support the fuel tank, then unbolt the fuel tank straps.
16. Remove the fuel tank (F) from the vehicle.
17. Transfer the fuel pump (N) (with a new o-ring) (E) into the new fuel tank according to the MS3 online instructions or Workshop Manual (section 01-14A FUEL PUMP REMOVAL/INSTALLATION [L5]).
18. Attach new pads (D) to the new fuel tank (refer to the pad placement locations on the original fuel tank).
19. Transfer the fuel filler hose (K) from the old fuel tank to the new fuel tank (aligning green dots).

NOTE: Install the fuel filler hose and clamp as shown below.

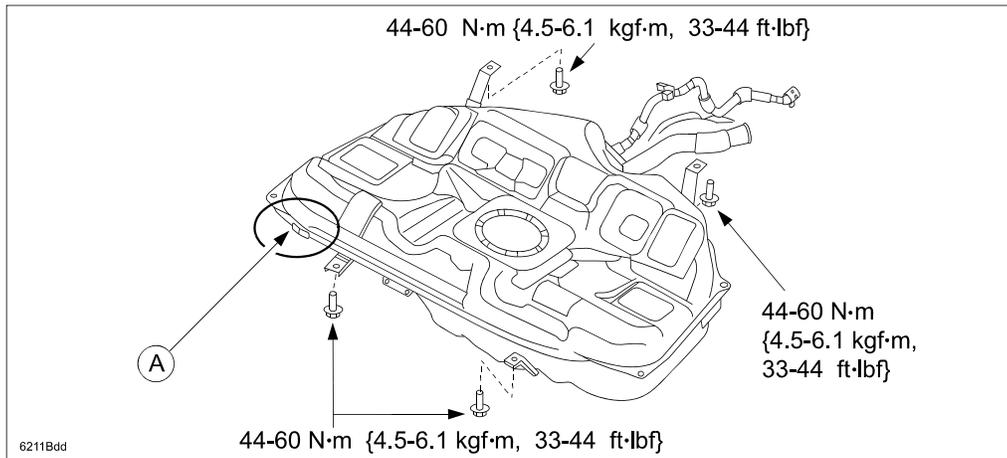


20. Transfer the large and small vent lines from the old fuel tank to the new fuel tank.

NOTE: Use new retaining clips (G): (Green) CC43-42-693, Qty.: 1 and (Blue) E113-42-693, Qty.: 1

21. Support the new fuel tank, then install it to the vehicle.

NOTE: Two small rubber clips (A) may exist on the flange of the original tank. These rubber clips have been deleted, so there is no need to transfer them to the new tank.



22. Reconnect the large vent line to the canister.

NOTE: If SST 49E0-42-001 is used for removing the quick release connector, replace the retaining clip with a new one (CC43-42-693).

23. Reconnect the small vent lines to the small pipe.

24. Reconnect the FTP (fuel tank pressure sensor) connector to the FTP.

25. Reconnect the fuel filler hose to the fuel filler pipe (refer back to Step 19).

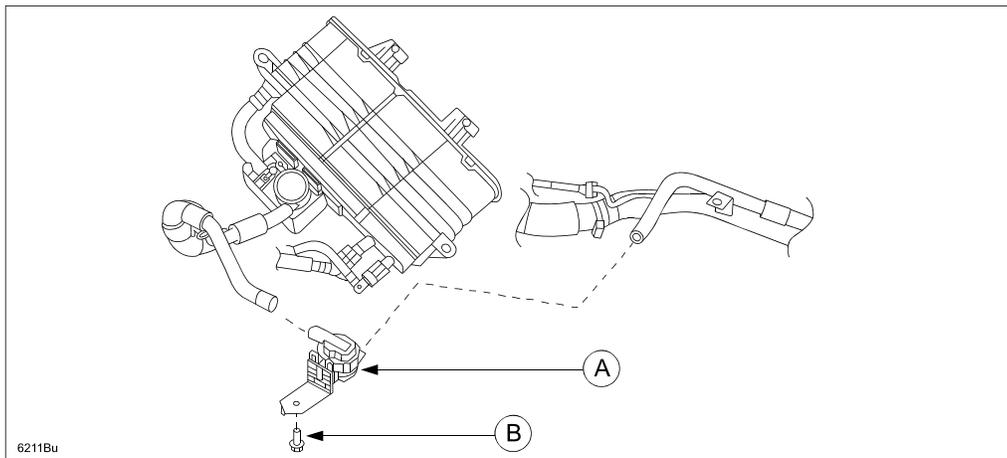
26. Reassemble the large under tank heat shield.

27. Install the exhaust pipe, using a new seal ring (L598-40-581) and new gasket (L505-40-305B) according to the MS3 online instructions or Workshop Manual (section 01-15A Exhaust System [L5] Seal Ring Removal and Installation Notes).

28. Replace the evaporative chamber (A) with the new part (GS3L-42-910).

29. Tighten evaporative chamber bolt (B).

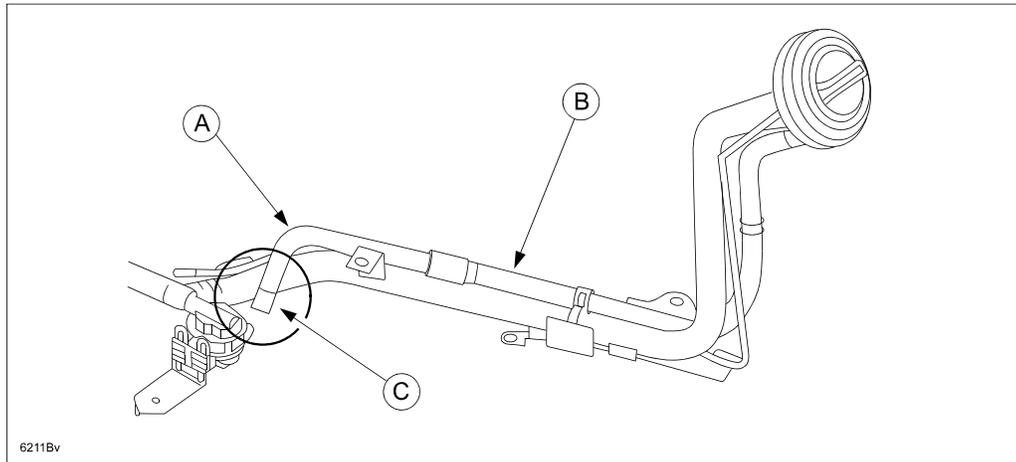
Tightening Torque: 71-97 in. lbf., 8-11 Nm, 82-112 kgf-cm



ATTACHMENT II 7214C

CAUTION: If the new evaporative chamber is not immediately available, make sure to put the parts back as follows to prevent re-entry of spiders into the hose.

- Connect the short ventilation hose (A) to the long ventilation hose (B).
- Plug the other end of short ventilation hose (C) with a rag or tape. DO NOT connect it back to the original evaporative chamber as there may still be spiders inside.



30. Reinstall the remaining parts in the reverse order of removal.
31. Reconnect the negative battery cable.
32. Re-enter the customer's preset radio stations.
33. Proceed to "F. CAMPAIGN LABEL INSTALLATION".

F. CAMPAIGN LABEL INSTALLATION

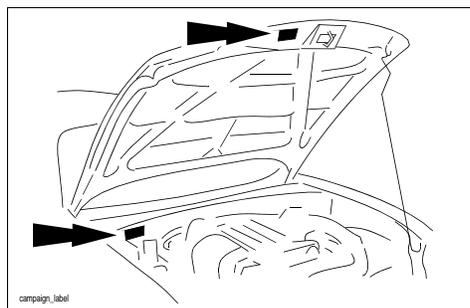
1. Fill out a blue "Campaign Label" (9999-95-065A-06) with Campaign No: "7214C", your dealer code, today's date.

CAMPAIGN LABEL	
CAMPAIGN NO:	_____
DEALER CODE:	_____
DATE:	/ /

P/N 9999-95-065A-06

1326b

2. Affix it to the hood or bulkhead as shown:



3. Return the vehicle to the customer.



IMPORTANT SAFETY AND EMISSION RECALL

**2010-2012 Mazda6 2.5L Engine
Fuel Tank Safety and Emission Recall 7214C
NHTSA Campaign No. 14V-114**

April 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 2010-2012 model year Mazda6 vehicles, equipped with 2.5L engine and produced from September 14, 2009 through May 2, 2011.

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

What is the problem?

On certain Mazda6 vehicles, a certain type of spider may weave a web in the evaporative canister vent line and this may cause a restriction in the line. If this occurs, the fuel tank pressure may become excessively negative when the emission control system works to purge the vapors from the canister. As the canister is purged repeatedly during normal operation, the stress on the fuel tank may eventually result in a crack, potentially leading to fuel leakage and an increased risk of fire.

What will Mazda do?

Your Mazda dealer will inspect and clean the canister vent line. If any restriction is found in the canister vent line, the fuel tank and evaporative chamber will be replaced with new ones. Your dealer will also reprogram the powertrain control module with modified software having a function to avoid excessive negative pressure of the fuel tank. The inspection and repair will be performed **free of charge**, and may take approximately one hour to complete; however, it may take longer depending on the necessary repair and 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, and we encourage you to make an appointment with any authorized Mazda dealer to have the canister vent line inspected and get necessary repair as soon as possible. You do not need to bring this notice to the dealer, but it may assist in the check-in process.

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 fuel tank repair?

If you have already paid for fuel tank inspection, repair, or replacement due to damage and/or cracking, 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.

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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 2010-2012 Mazda6 built between September 14, 2009 and May 2, 2011.
2. You have paid for fuel tank inspection, repair or replacement due to damage/crack, prior to launch of this 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 fuel tank due to damage/crack in the tank
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 fuel tank inspected, repaired or replaced due to damage/crack in the tank prior to the launch of this 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 fuel tank due to damage/crack in the tank.

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.

