

A. VEHICLE INSPECTION PROCEDURE

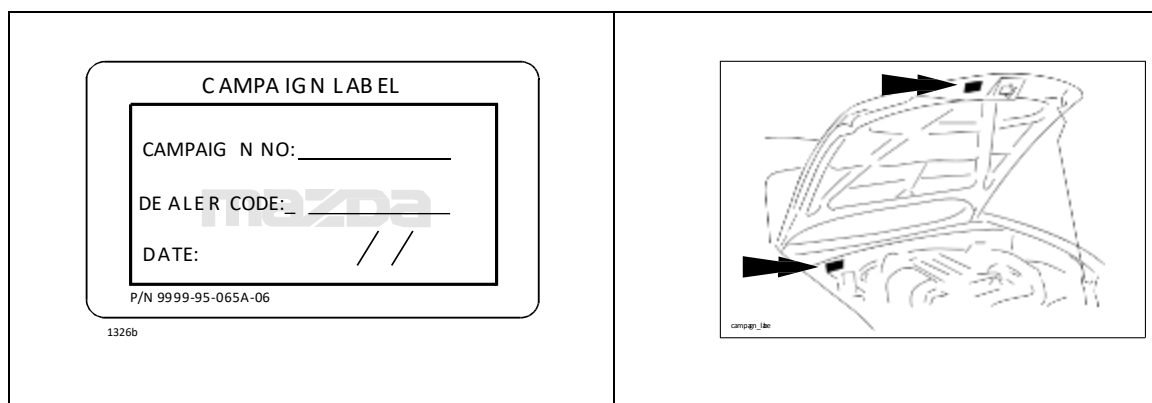
1. Verify that the vehicle is within the following ranges:

Model	VIN range	Build date range
2020 CX-30 AWD Model Only	3MV DM**** LM 104188 – 137005	From November 13, 2019 through March 24, 2020

The asterisk symbol "*" can be any letter or number.

- If the vehicle is within the above ranges, proceed to Step 2.
 - If the vehicle is not within the above ranges, return vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for Campaign Labels **Recalls 4520F** attached to the vehicle's hood or bulkhead. Refer to eMDCS System - Warranty Vehicle Inquiry Results table below.

NOTE: Be sure to verify Recall number as the vehicle may have multiple Recall labels.

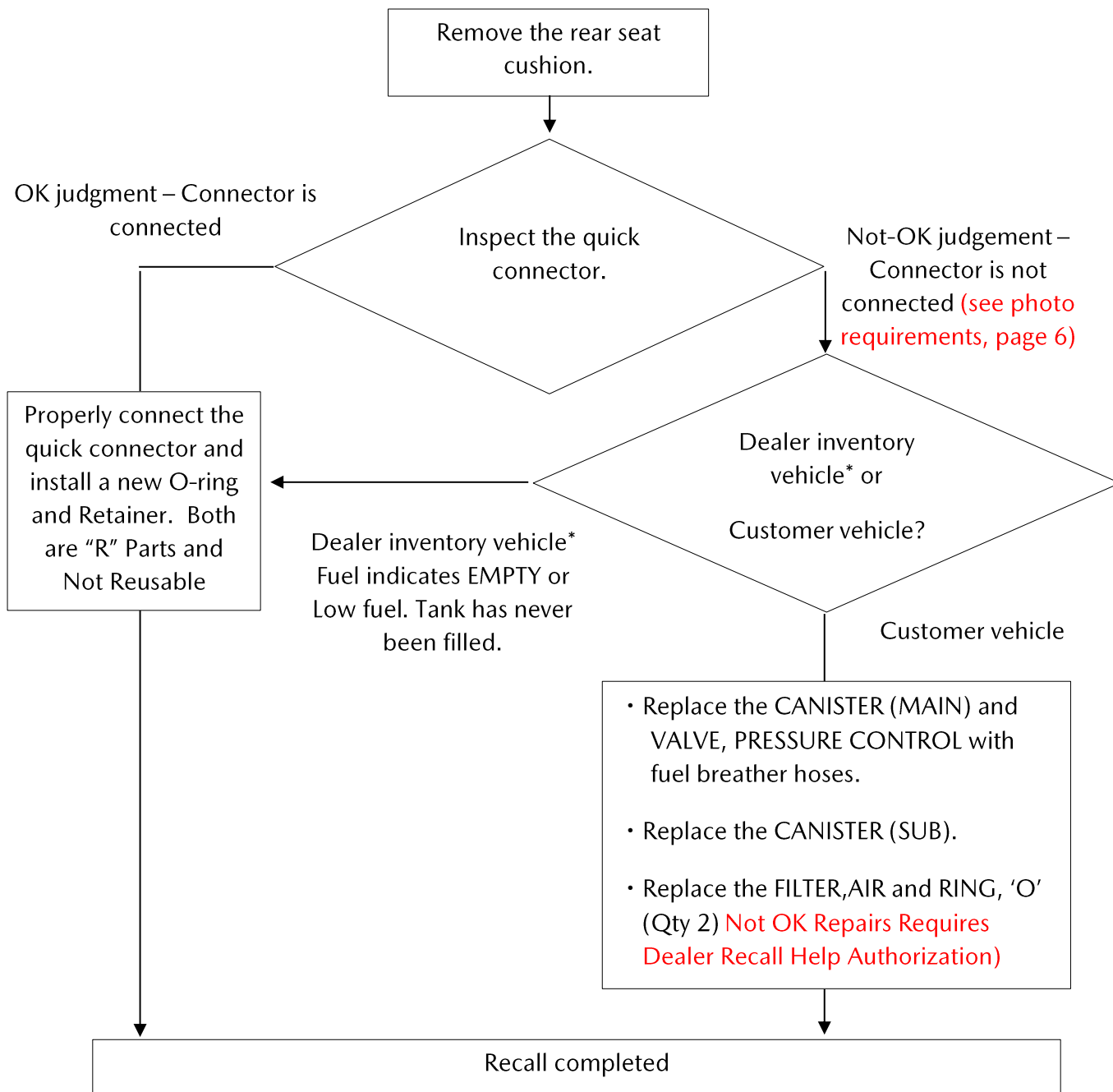


eMDCS System - Warranty Vehicle Inquiry Results:

If eMDCS displays:	Campaign Label is:	Action to perform:
RECALL 4520F OPEN	Present	Email Dealer Recall Help or Contact the Warranty Hotline at (877) 727-6626 option 3 to update vehicle history.
	Not present	Proceed to "B. REPAIR PROCEDURE".
RECALL 4520F CLOSED	Present	Return vehicle to inventory or customer.
	Not present	Proceed to "C. CAMPAIGN LABEL INSTALLATION".
RECALL 4520F IS NOT PRESENT	Does not apply	Recall does not apply to this vehicle. Return vehicle to inventory or customer.

B. REPAIR PROCEDURE:

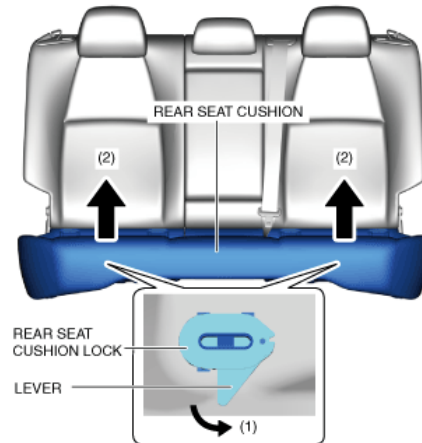
Flow chart



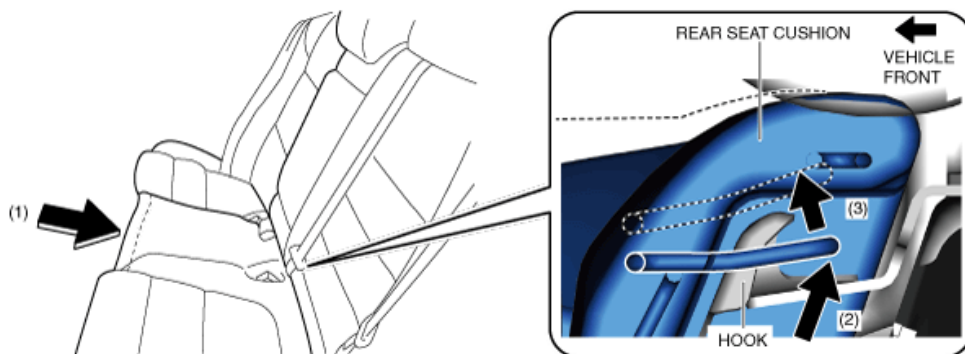
Caution

When removing the rear seat cushion from the vehicle, perform the procedure on a clean cloth so as not to damage or dirty the seat.

1. Disconnect the negative battery terminal.
2. If the fuel gauge level indicates 3/4 or more, refer to the Work shop manual '[FUEL DRAINING PROCEDURE](#)' and drain the fuel.
3. While moving the rear seat cushion lock levers in the direction of arrow (1) shown in the figure, lift up the rear seat cushion in the direction of arrows (2) and detach the rear seat cushion lock from the rear seat cushion.



4. While pressing the rear seat cushion in the direction of arrow (1) shown in the figure, lift the rear seat cushion in the direction of arrow (2), move it in the direction of arrow (3), and detach it from the hook.



5. Remove the service hole cover at right rear (facing forward - passenger side).



- Highly pressurized fuel may spray out if the fuel line is cut. Due to the following dangers occurring with a fuel spray, always complete the "[FUEL LINE SAFETY PROCEDURE](#)" to prevent the fuel from spraying.
- Fuel may cause irritation if it comes in contact with skin and eyes.
- If fuel ignites and causes a fire, it may lead to serious injury or death, and damage to property and facilities.
- A person charged with static electricity could cause a fire or explosion, resulting in death or serious injury. Before performing work on the fuel system, discharge static electricity by touching the vehicle body.

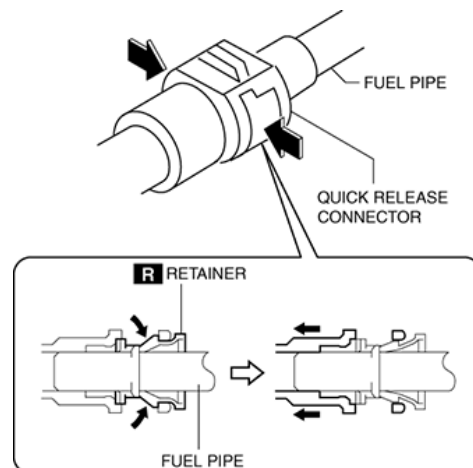
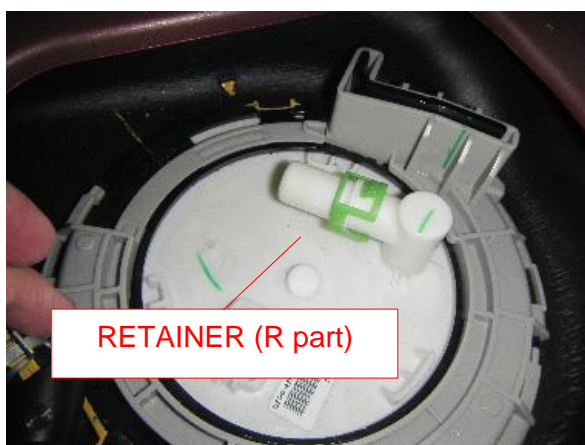
Caution

- 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.

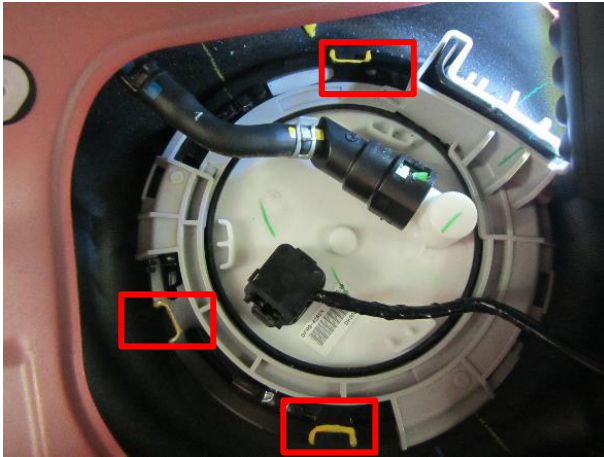
6. Draw a mark a on the fuel tank and set plate component.



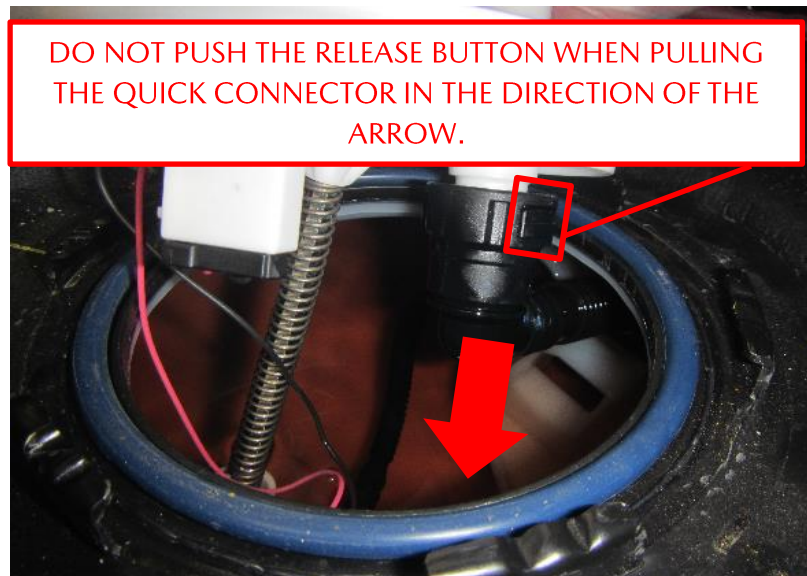
7. Remove the [QUICK RELEASE CONNECTOR](#). ***This Retainer is part of the inspection and this part must be replaced.***



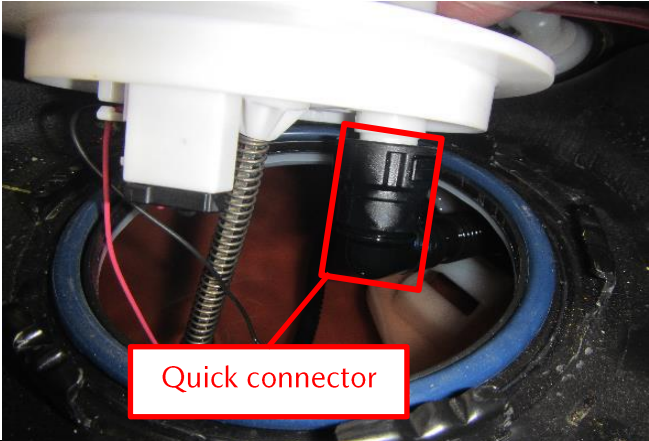
8. Remove the [FUEL GAUGE AT SUB FUEL TANK](#).
Using SST (PN:49JP02002) attach the 3 claws to the set plate component as shown in the picture below.

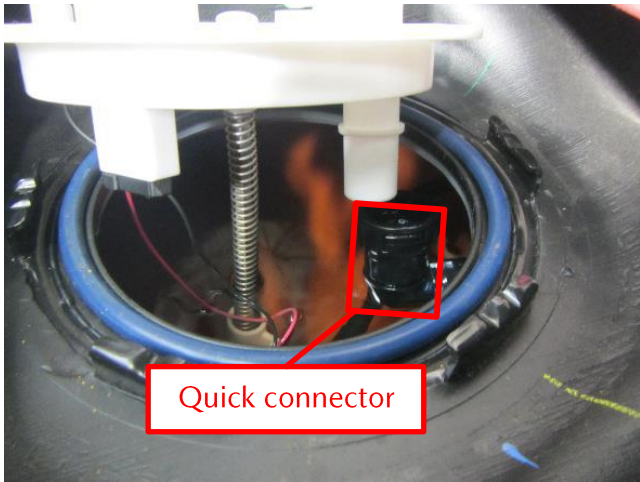


9. Pull the quick connector in the direction of the arrow by hand shown below.
Caution: Do not push the release button when pulling the quick connector.



10. Use the following instructions to determine if the quick connector inspection OK or Not OK.

Status	Judgement
<p>The quick connector is connected and locked to the fitting correctly.</p> 	<p>OK</p>

Status	Judgement
<p>The quick connector is disconnected. ** see note below</p> 	<p>Not-OK</p>

**** Please take a photo of the hose with the RO in the background in all situations when the hose is disconnected. This photo is required to be submitted with the Warranty claim.**

- Judgement of an OK quick connector. (The quick connector is connected and locked to the fitting correctly.) Go to Steps 13 through 16 and complete those steps. Then go to steps 19 through 24 which is the reverse order of removal and includes the required replacement parts (R part).
- **Judgement of a Not OK quick connector. (The quick connector is disconnected.) – see note above about photo requirements.**
- - **Dealer inventory vehicle***: Go to Steps 13 through 16 and complete those steps. Then go to steps 19 through 24 which is the reverse order of removal and includes the required replacement parts (R part).

* Dealer inventory vehicle Fuel indicates EMPTY or Low fuel. Tank has never been filled.

If the Dealer Inventory Fuel Tank has been filled, then treat the repair as if a customer vehicle

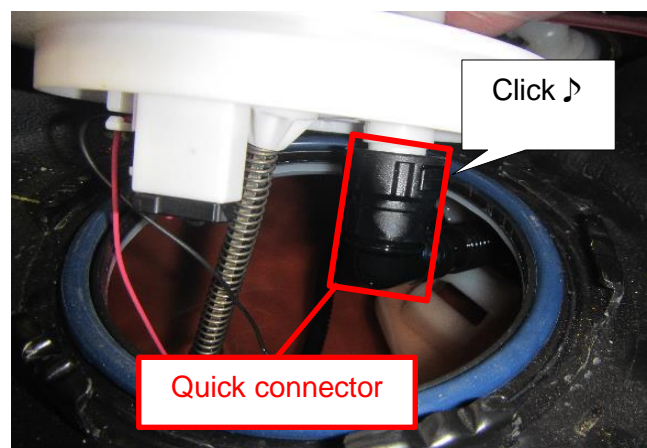
_ - Customer vehicle: Go to and complete all Steps 11 through 24. Steps 17 and 18 require additional parts. Refer to MGSS Work shop manual below and is also the reverse order of removal and includes the required replacement parts (R part).

Because this judgement is expected to be very rare you must contact Dealer Recall Help for authorization. They will review and work with the DAG to order the necessary parts to complete. You will not be able to order the required parts to complete the repair for this concern.

11. Twist the breather hose downward towards the bottom of the fuel tank to drain any fuel in the line. Refer to the VIDEO on MGSS under 4520F.



12. Connect the quick connector all the way in using care. Make sure the connector seats with a click.

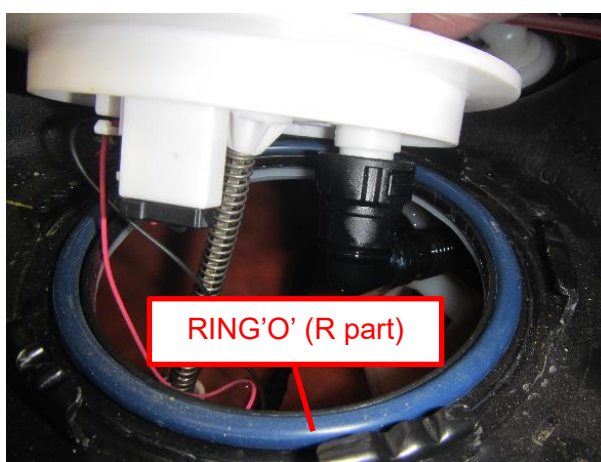


13. Double check the quick connector to be sure it has not disconnected, by pulling the quick connector in the direction of the arrow by hand shown below.

Caution: Do not push the release button when pulling the quick connector.



14. Place the fuel gauge unit halfway in the fuel tank and install a **new O-ring** over the fuel gauge unit and set in the fuel tank groove then install the fuel gauge. ***This is part of the inspection or repair and this part must be replaced.***

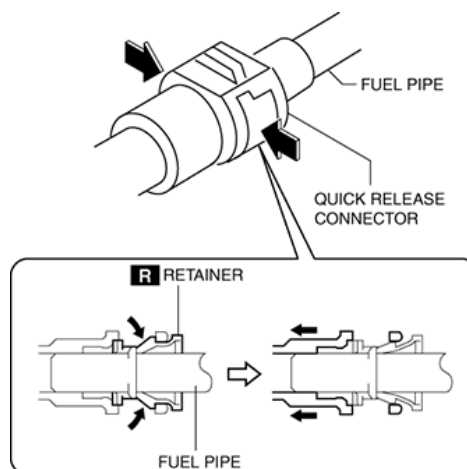


15. Install the [FUEL GAUGE AT SUB FUEL TANK](#). Make sure the alignment marks line back up. Using SST (PN:49 JP02 002) attach the 3 claws to the set plate component as shown below. Refer to the workshop manual on MGSS

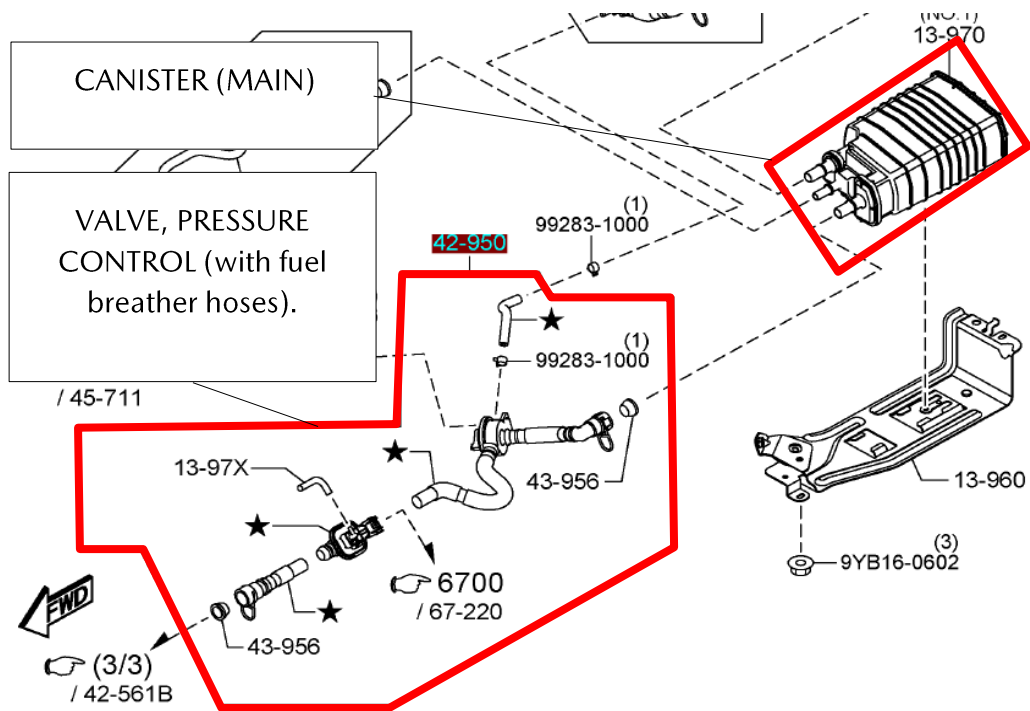


16. Install the [QUICK RELEASE CONNECTOR](#).

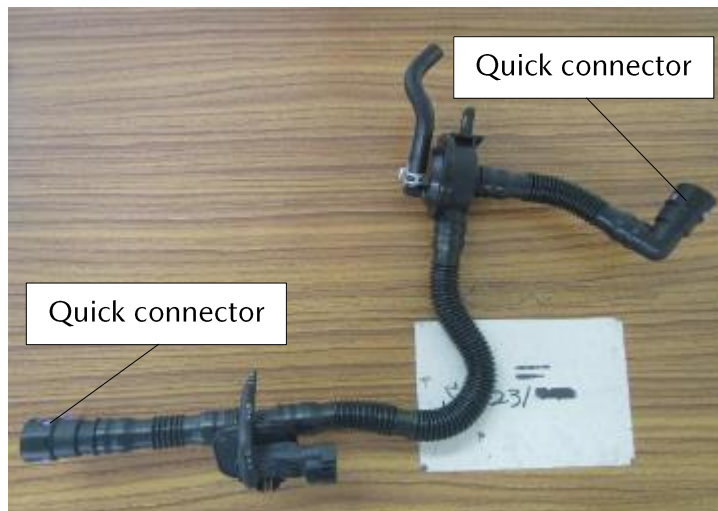
Caution: **NEW RETAINER** is necessary! It must be replaced when removing the **QUICK RELEASE CONNECTOR**.



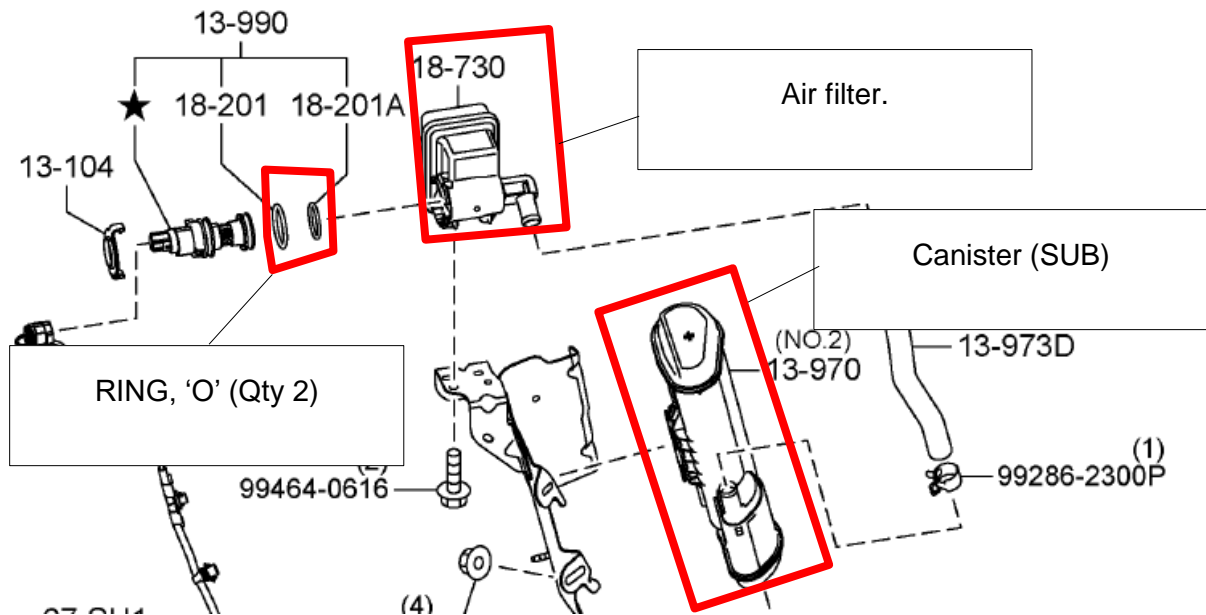
17. Replace the [CANISTER](#) (main) refer to Workshop manual. Also replace the [VALVE, PRESSURE CONTROL](#) (with fuel breather hoses). ***Reminder! You must contact Dealer Recall Help for authorization and they will work with the DAG to order these parts required for repair.***



[VALVE, PRESSURE CONTROL](#) (with fuel breather hoses) . For the removal of the quick connector, refer to [QUICK RELEASE CONNECTOR \(FUEL SYSTEM\) REMOVAL/INSTALLATION](#).



18. Replace the [CANISTER \(SUB\), AIR FILTER, with O RING](#), (Qty 2). Refer to MGSS Workshop manual.



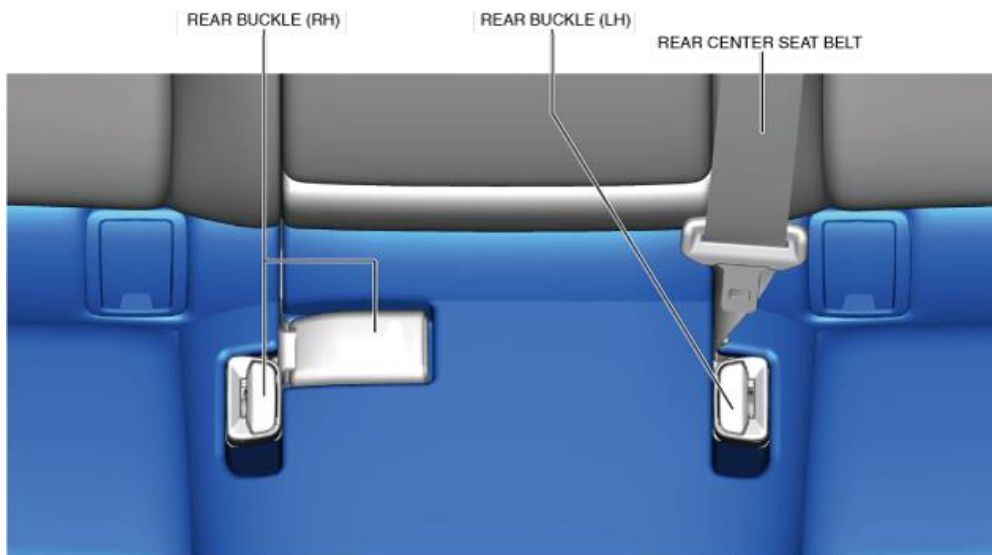
19. Check for any fuel leakage around the components that were removed for this repair (quick connector, fuel sender unit, canister etc).

20. Install the service hole cover at rear right side.

21. Install the rear cushion seat refer to workshop manual.

[REAR SEAT CUSHION INSTALLATION](#) Note.

After installing the rear seat cushion, place the rear buckle as shown in the figure.



22. Connect the negative battery terminal.

Required procedure after negative battery terminal disconnection / connection refer to Workshop manual.

- 23. Complete the [“AFTER SERVICE PRECAUTION”](#) refer to Workshop manual.
- 24. Fill fuel tank with the fuel that was removed if you performed the fuel draining procedure.

C. CAMPAIGN LABEL INSTALLATION

- 1. Fill out a blue “Campaign Label” (9999-95-065A-06) with Campaign No: “4520F”, your dealer code, today’s date.

CAMPAIGN LABEL

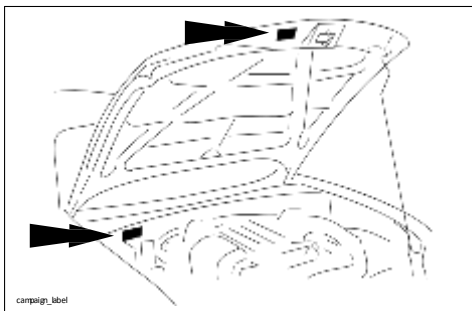
CAMPAIGN NO: _____

DEALER CODE: _____

DATE: // /

P/N 9999-95-065A-06

- 2. Affix it 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).

The form is titled 'mazda Vehicle Emission Recall - Proof of Correction'. It includes a section for 'Vehicle Identification Number' with a grid for digits. Below this are fields for 'License Number', 'Make', 'Year Model', and 'Body Type'. The manufacturer is listed as 'MAZDA NORTH AMERICAN OPERATIONS' with a 'Recall Number' field. A note states: '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)'. There are fields for 'Dealer's Name', 'Address, City, State and Zip', 'Date', and 'Dealership Authorized Signature'. At the bottom, it says 'Return this certificate and return to the Department of Motor Vehicle (DMV) if it is required by the DMV.' and includes a small logo.

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.