	GROUP	MODEL
	Safety Recall Campaign	**2022-2026MY Carnival (KA4)**
	NUMBER	DATE
	SC368 (Rev 1, 09/28/2026)	**June 2026**

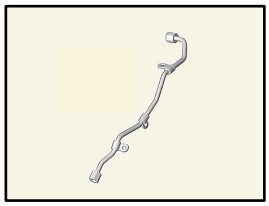
SAFETY RECALL CAMPAIGN

HIGH-PRESSURE CROSS-OVER FUEL PIPE TORQUE INSPECTION / REPLACEMENT (SC368)

NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides information to inspect and, if necessary, replace the high-pressure crossover fuel pipe on certain 2022-2026MY Carnival (KA4) vehicles produced from January 4, 2021 through November 20, 2025. The high-pressure crossover fuel pipe nuts may loosen over time, resulting in a fuel leak. A fuel leak in the presence of a ignition source increases the risk of fire, thereby increasing the risk of injury. In addition, the subject vehicles may be releasing air pollutants which exceed California and federal standards. These standards were established to protect the public's health and welfare from the dangers of air pollution. Follow the procedure outlined in this publication to inspect the high-pressure crossover fuel pipe. If a leak is identified, dealers are to replace the high-pressure crossover fuel pipe with a new one. If no leak is identified, dealers are to securely fasten the high-pressure crossover pipe nuts on the applicable vehicle. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



NOTICE

There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.

Repair status for a VIN is provided on KDealer+ (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on KDealer+ (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

A printed copy is for reference only; publication information can be updated at any time.
Always refer to KGIS for the latest information. After logging in kdealer.com, the newest technical publications are listed in 'Service Releases' and has the latest service information that has been released.
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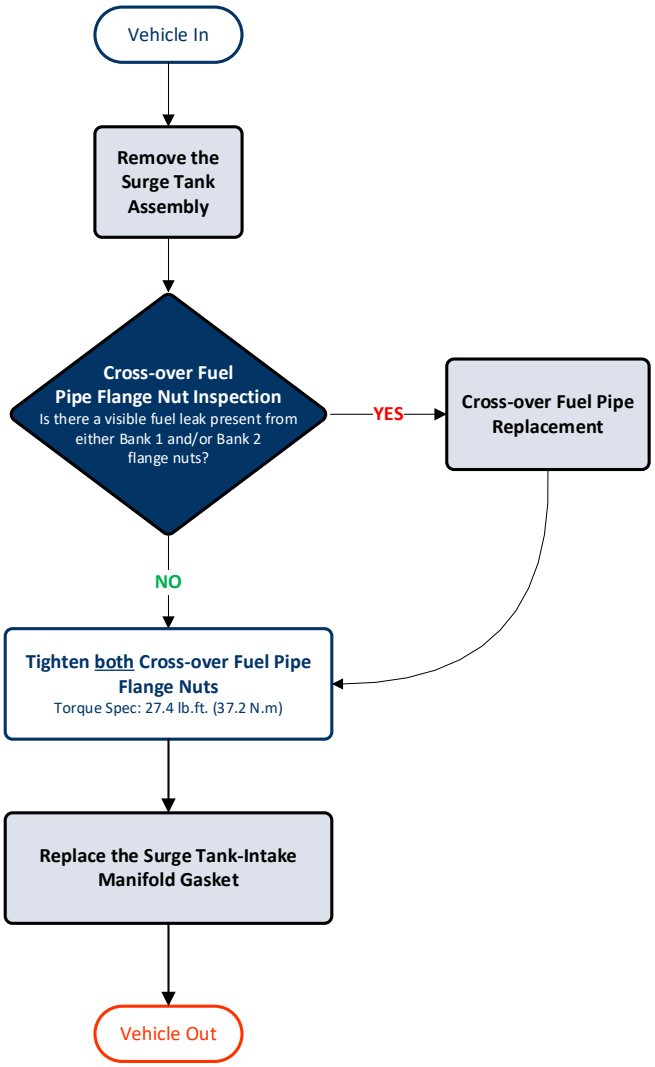
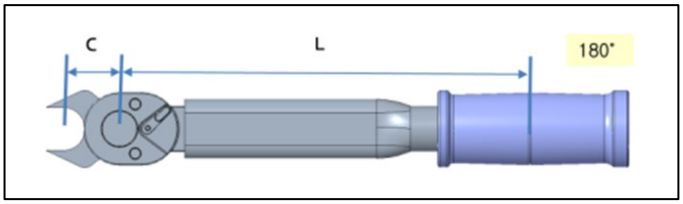
HIGH-PRESSURE CROSS-OVER FUEL PIPE INSPECTION / REPLACEMENT (SC368)

Flowchart:



Crowfoot Wrench Setup

(Align the crowfoot wrench straight with the torque wrench at 180° degrees.)



15" Length Torque Wrench

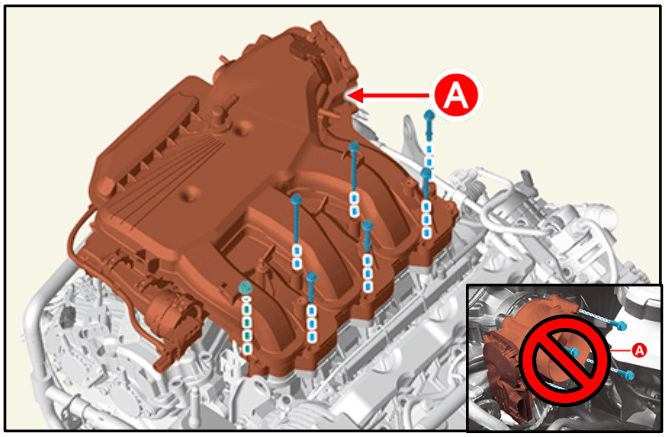
HIGH-PRESSURE CROSS-OVER FUEL PIPE INSPECTION / REPLACEMENT (SC368)

Inspection Procedure:

1. **Release residual pressure in fuel line** by referring to "Engine Control / Fuel System → Fuel Delivery System → Release Residual Pressure in Fuel Line" in the applicable Shop Manual on KGIS.

2. Disconnect the 12V battery negative (-) terminal.

3a. Remove the air cleaner assembly by referring to "Engine Mechanical System → Intake and Exhaust System → Air Cleaner → Removal and Installation" in the applicable Shop Manual on KGIS.

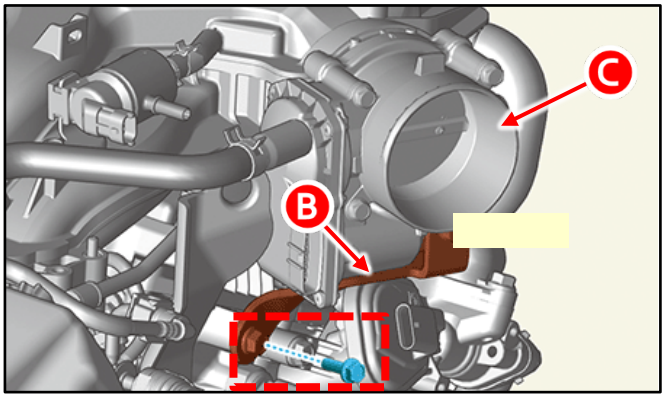


TECH TIP

Place a clean rag over the intake manifold ports to keep debris from entering the open ports.

3b. Remove the surge tank (A) by referring to "Engine Mechanical System → Intake and Exhaust System → Surge Tank → Removal and Installation" in the applicable Shop Manual on KGIS.

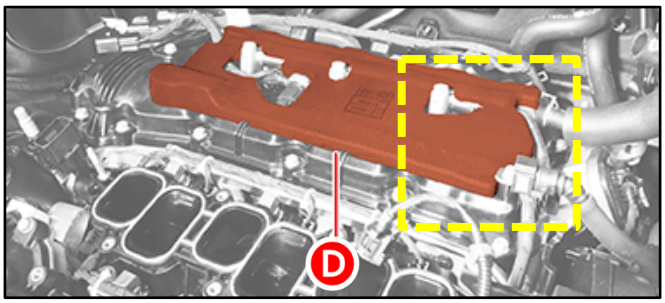
3c. Remove only one (1) of the two (2) surge tank stay/bracket (B) retaining bolts.



TECH TIP

DO NOT REMOVE the Electronic Throttle Control (ETC) assembly (C) from the surge tank, it is not required.

4a. Partially lift the Bank 1 injector foam (D) near the fuel flare to check the surrounding area



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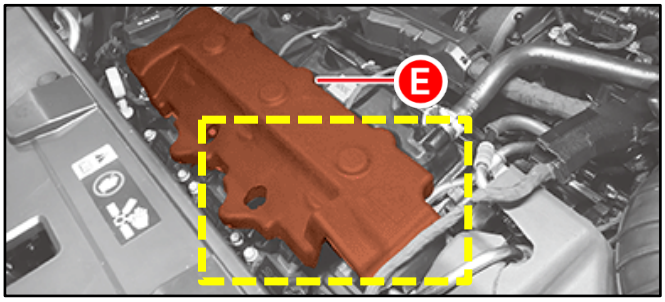
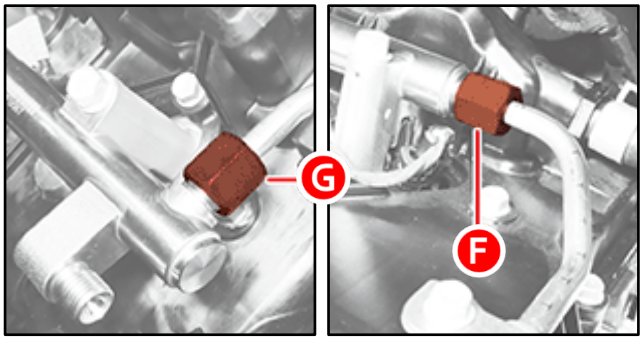
HIGH-PRESSURE CROSS-OVER FUEL PIPE INSPECTION / REPLACEMENT (SC368)

4b. Partially lift the Bank 2 injector foam (E) near the fuel flare to check the surrounding area.

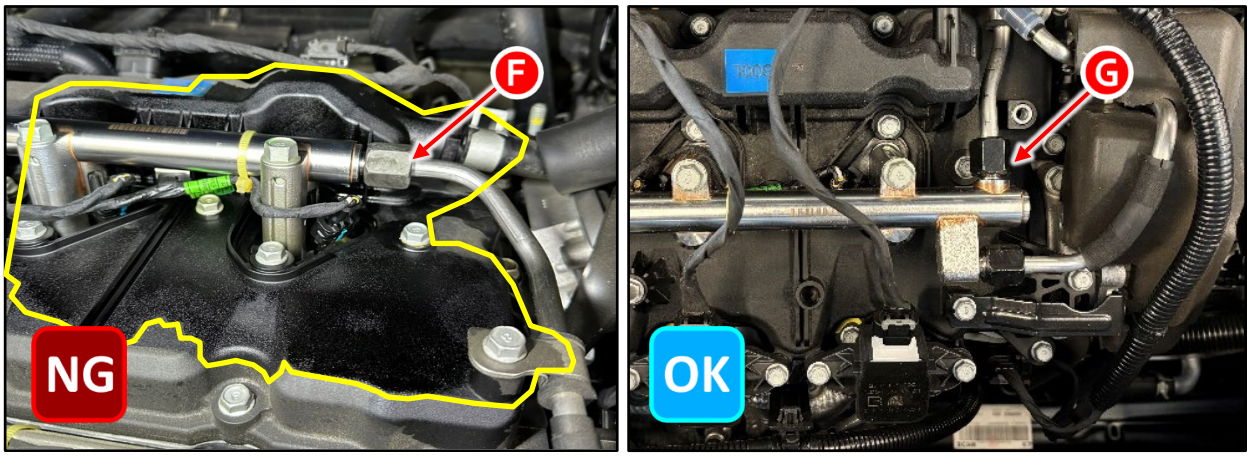


4c. Inspect both Bank 1 and Bank 2 high-pressure cross-over delivery pipe flares for fuel leakage (including any trace of residual fuel onto surrounding parts):

- Bank 1 (F) flare nut
- Bank 2 (G) flare nut

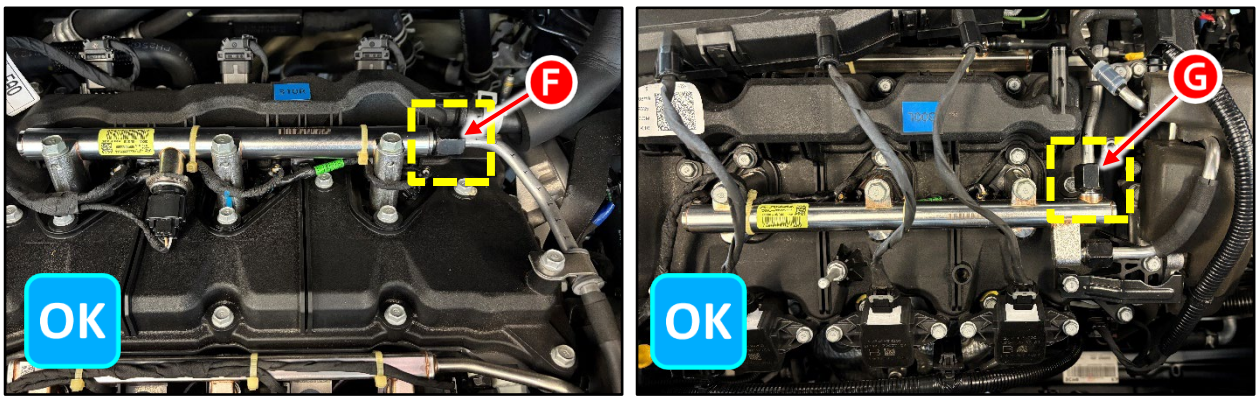


5a. ○ Fuel leak **is** present from Bank 1 **and /or** Bank 2 flare **(NG)**. **Stop**, and skip to the 'Replacement Procedure' on page 6 to replace the crossover high-pressure fuel delivery pipe with a new part.



Sample (left): Contaminated residual fuel leak area is outlined. - Sample (right): No visible fuel leak present.

5b. ○ Fuel leak **is not** present **(OK)**. Proceed to step 6 to verify both high-pressure cross-over fuel pipe flares nuts (Bank 1 and 2) are torqued to the required specification.

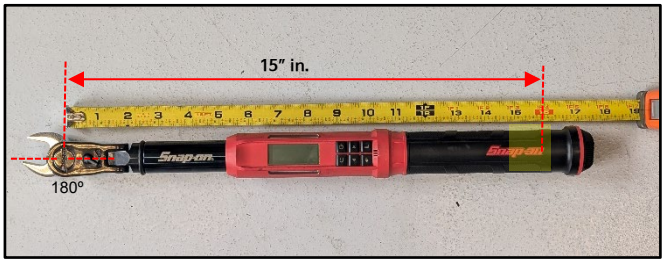


Bank 1 (rear) Bank 2 - (front)

HIGH-PRESSURE CROSS-OVER FUEL PIPE INSPECTION / REPLACEMENT (SC368)

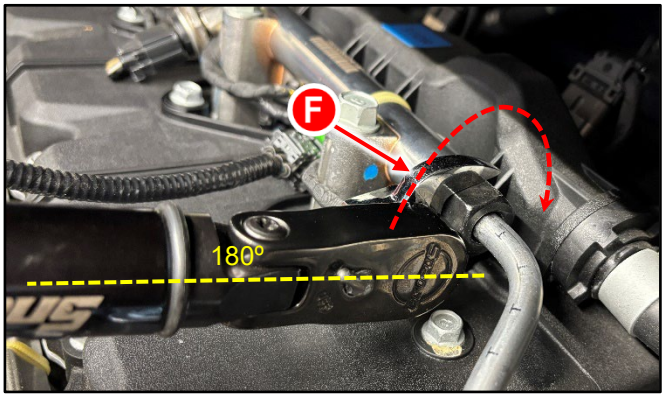
6. **Inspection (OK)**
Setting up crowfoot wrench:

- Using a 15-16" long torque wrench, set the crowfoot wrench as close to a 180° degree (straight line) alignment. Refer to page 2.



7a. Place the torque wrench and crowfoot wrench attachment as shown (at 180 °) and tighten the **Bank 1** (F) fuel pipe flare to the torque specification.

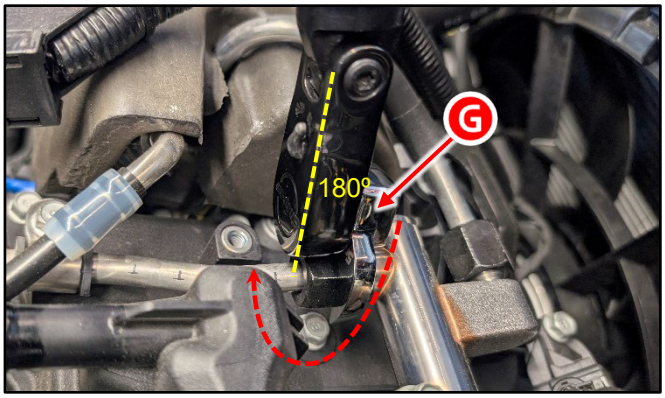
Tightening torque for flange nut (F & G):
With crowfoot wrench: 27.4 lb.ft. (37.2 N.m)



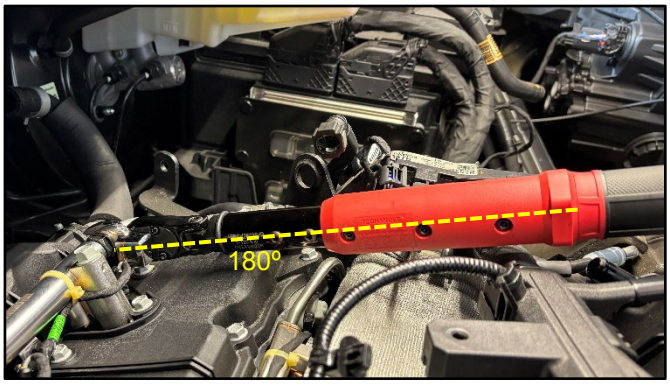
7b. Place the torque wrench and crowfoot wrench attachment as shown (at 180 °) and tighten the **Bank 2** (G) fuel pipe flare to the torque specification.

⚠CAUTION

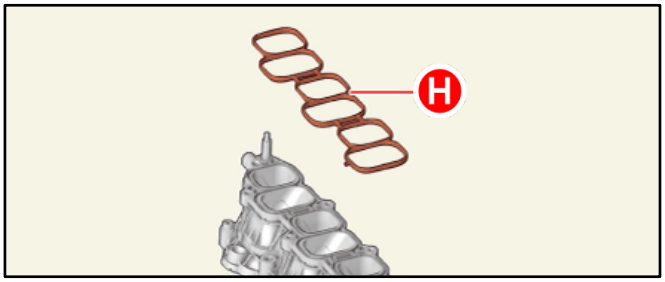
DO NOT overtighten/exceed the required torque specification.



8. After tightening **both** Bank 1 and Bank 2 fuel pipe flares (F & G), reinstall all removed parts in the reverse order of removal.



Note: Replace the intake manifold gasket (H) 'non-reusable', to surge tank assembly with a new part.



9. Verify normal vehicle operation.

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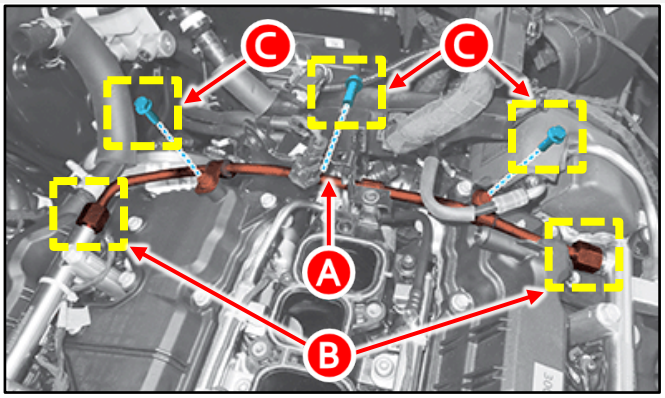
HIGH-PRESSURE CROSS-OVER FUEL PIPE INSPECTION / REPLACEMENT (SC368)

Replacement Procedure:

1a. Remove the existing high-pressure cross-over fuel pipe assembly (A) by:



TECH TIP

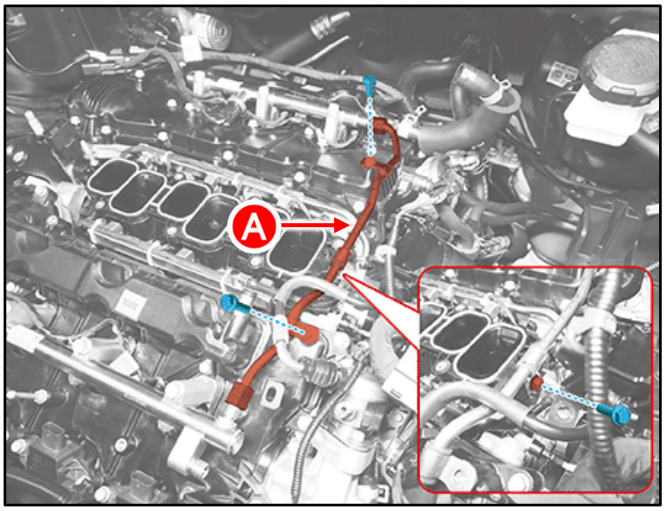
Place clean rag(s) around the fuel pipe flange flange nuts (B) and over the intake manifold ports, to capture and contain any residual fuel in the line and keep debris from entering the open ports.

1b. • Using the crowfoot wrench, loosen the two (2) Bank 1 and Bank 2 flare nuts (B).

1c. • Loosen the three (3) cross-over fuel pipe assembly retaining bolts (C).

Thoroughly clean the any contaminated area from fuel residue.

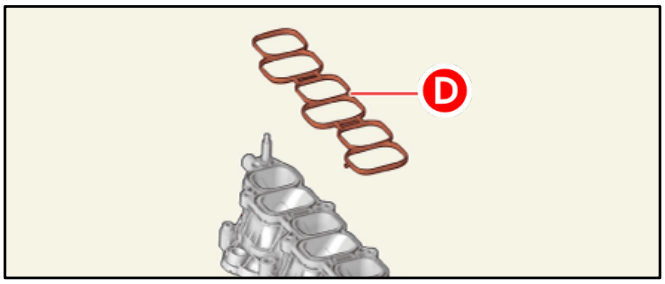
2. Install a 'new' high-pressure cross-over fuel pipe assembly (A) in the reverse order of removal.



Tightening torque for flange nut (X):
With crowfoot wrench: 27.4 lb.ft. (37.2 N.m)

Note: Refer to page 4 and follow the crowfoot and torque wrench setup and tightening torque instructions (steps 6, 7a. and 7b.).

3. Reinstall all removed parts in the reverse order of removal.



Note: Replace the intake manifold gasket (D) 'non-reusable', to surge tank assembly with a new part.

4. Verify normal vehicle operation.

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HIGH-PRESSURE CROSS-OVER FUEL PIPE INSPECTION / REPLACEMENT (SC368)

ATTENTION: THE PROOF OF CORRECTION CARD AND CAMPAIGN COMPLETION LABEL ARE RESTRICTED ONLY TO DEALERS IN THE FOLLOWING STATES:

California, Connecticut, Delaware, Massachusetts, Maine, Maryland, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington. See Parts Information below to order the Proof of Correction Card and Campaign Completion Label from the PDC.

VEHICLE EMISSION RECALL - PROOF OF CORRECTION CARD

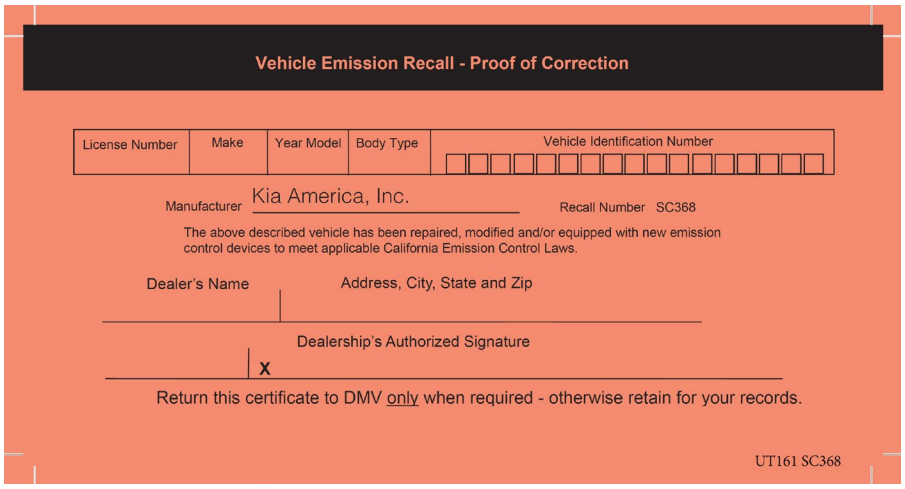
A Vehicle Emission Recall - Proof of Correction card must be filled out for all vehicles registered in California, Connecticut, Delaware, Massachusetts, Maine, Maryland, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington. Residents of these states, who own an affected vehicle, will be required to possess a Vehicle Emission Recall - Proof of Correction card as evidence of voluntary service campaign completion, when they apply for vehicle registration renewal.

WHAT TO DO WITH THE CARD:

The Vehicle Emission Recall - Proof of Correction card must be completed by the Dealership's Service Manager using a permanent ink pen. A fine point pen is recommended. When filling in the information, copy the information directly from the vehicle, not the repair order. ALL INFORMATION MUST BE PRINTED AND NEAT.

NOTE: DO NOT COMPLETE THE CARD UNLESS THE SERVICE CAMPAIGN WORK IS COMPLETED.

The copy of the card shown below indicates the areas to be filled in. Each area must be filled in. The completed card should be given to the owner of the vehicle upon completion of the Campaign and placement of the Campaign Completion Label outlined below...



FILLING OUT AND APPLYING THE CAMPAIGN COMPLETION LABEL (CA and S.177 STATES ONLY):

The dealer must fill in the Dealer Code and Date information fields on the Campaign Completion Label. Once complete, affix the campaign completion label under the hood of the vehicle, as shown below.

CA and S.177 States Only: Apply SC368 Campaign Completion Label onto the body in the area next to the shock tower, as shown. NOTE: Be sure to clean the mounting surface to ensure proper label adhesion.

HIGH-PRESSURE CROSS-OVER FUEL PIPE INSPECTION / REPLACEMENT (SC368)

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Carnival (KA4)	January 4, 2021 to November 20, 2025

REQUIRED TOOL:

Tool Name	Part Number	Figure	Comments
Deep Flare Nut Crowfoot Wrench	N/A		Locally Sourced (3/8" Drive - 12 Point)

REQUIRED PART:

Part Name	Part Number	Figure	Qty.	Comments
Manifold Gasket	29215 3N350QQK*		1	Non-Reusable
High-Pressure Crossover Fuel Pipe	35307 3NGA0QQK*		1	Inspection NG
Vehicle Emissions Proof of Correction Card	UT161 SC368		1	N/A
Campaign Completion Label	UT160 SC368		1	

***Note**: **The replacement part numbers will require a VIN entry for parts ordering. DO NOT order these parts for stocking purposes, related to this Safety Recall Campaign. Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing.**

***PartsEye will place replenishment orders based on the dealers' on-hand supply. Please refer to Parts bulletin PB MI-25-08 for information related to Parts Eye Campaign ordering.**

HIGH-PRESSURE CROSS-OVER FUEL PIPE INSPECTION / REPLACEMENT (SC368)

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	35307 3NGA0	0	(SC368) Cross-Over Fuel Pipe Flare Nut Tightening Inspection **(OK)**	261100R0	0.7 M/H	29215 3N350QQK	1
			(SC368) Cross-Over Fuel Pipe Flare Nut Tightening Inspection **(NG)** and Replacement	261100R1	1.1 M/H	29215 3N350QQK 35307 3NGA0QQK	1

Note: Refer to Warranty Bulletin 2026-18 for claim submission procedures. When substitute transportation is provided, manually enter sublet code 'X2' for rental expense reimbursement or one roundtrip rideshare expense.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC368 when accessing the KDealer+ system.