



GROUP
**Safety Recall
Campaign**

MODEL
**2011-2012MY
Sedona (VQ)**

NUMBER
SC188

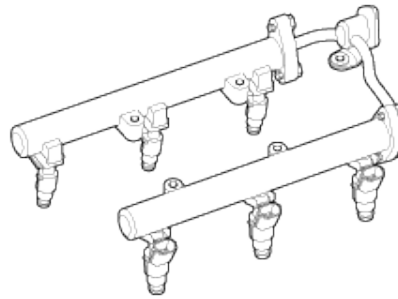
DATE
June 2020

SAFETY RECALL CAMPAIGN

SUBJECT:

DELIVERY PIPE REPLACEMENT (SC188)

This bulletin provides the procedure to replace the delivery pipe (also known as fuel rail) assembly on 2011-2012MY Sedona (VQ) vehicles produced from March 3, 2010 through August 14, 2012. The delivery pipe may develop a small heat-induced crack from what is believed to be a result of exposure to heat generated within the engine compartment under certain circumstances. If the delivery pipe develops a crack, fuel smell and eventually a fuel leak can occur. Leaking fuel can increase the risk of a fire. Dealers are to replace the delivery pipe assembly with a new one according to the procedure outlined in this bulletin. 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.

★ NOTICE

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

Printed TSB copy is for reference only; information may be updated at any time.
Always refer to KGIS for the latest information.

Circulate To: General Manager Service Manager Parts Manager
 Service Advisors Technicians Body Shop Manager Fleet Repair

Replacement Procedure:

- 1a. Record radio stations.
- 1b. Turn the ignition switch OFF and disconnect the battery negative (-) cable.
2. Release the residual pressure in the fuel line by referring to the “Engine Control / Fuel System → Fuel Delivery System → Repair procedures (Release Residual Pressure in Fuel Line)” chapter in the applicable Shop Manual on KGIS.

CAUTION

There may be some residual pressure even after “Release Residual Pressure in Fuel Line” work, so cover the hose connection with a shop towel to prevent residual fuel from spilling out before disconnecting any fuel connection.

CAUTION

When removing the fuel pump relay, a DTC may occur. Delete the code with KDS after completion of the “Release Residual Pressure in Fuel Line” work.

3. Remove the fuel delivery pipe assembly (A) by referring to the “Engine Control / Fuel System → Fuel Delivery System → Delivery Pipe → Repair procedures” chapter in the applicable Shop Manual on KGIS.

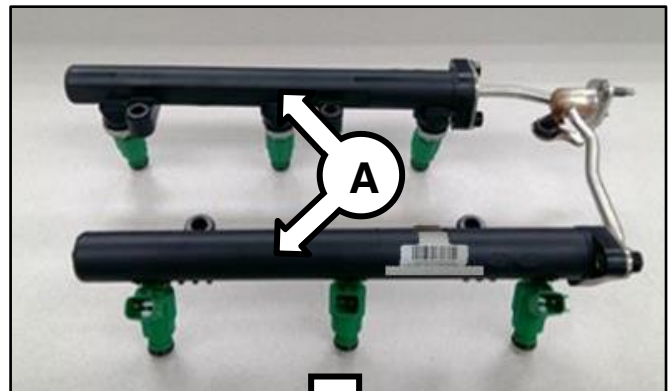
Note: The delivery pipe and injectors should be removed together.

*** NOTICE**

After disconnecting the fuel supply tube (B), wrap it in plastic wrap to prevent entering of foreign substances.

*** NOTICE**

Cover the intake ports to prevent foreign substances from entering the combustion chamber.

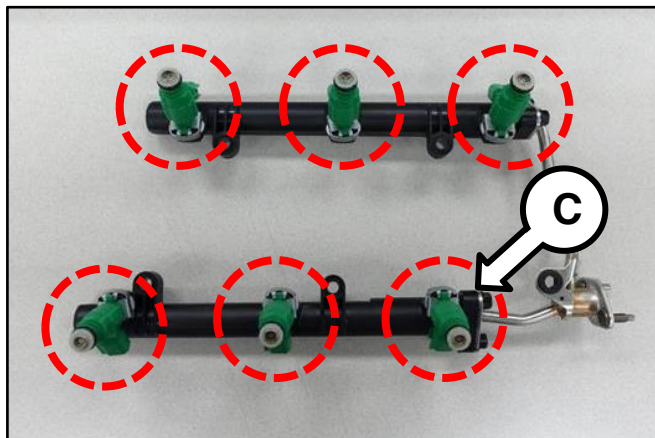


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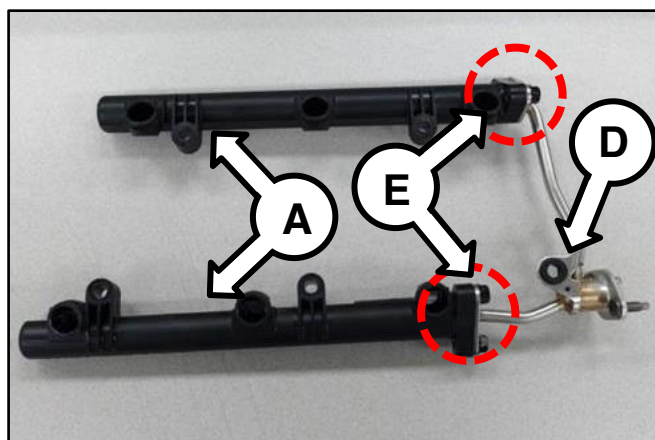
Follow the steps below before installing the new fuel delivery pipe.

4. Remove the six (6) fuel injectors (C) secured by clip(s) shown below, label and set aside as they will be re-used.

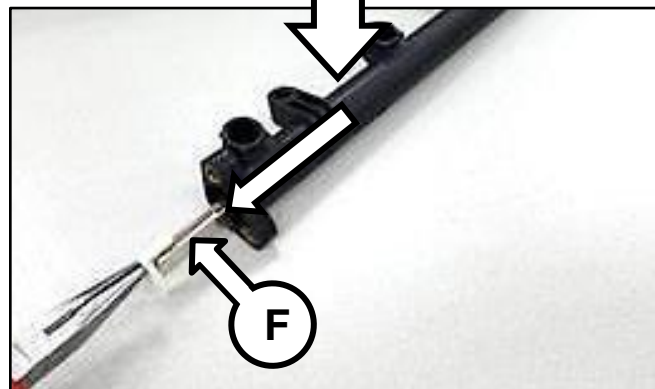
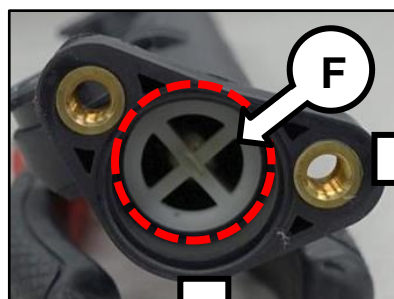


P/N for Injector Clip: 35309 3C200 for reference only.

5. Loosen the four (4) crossover fuel assembly (D) retaining bolts (E) from the delivery pipe(s) (A) and set aside as it will be re-used.



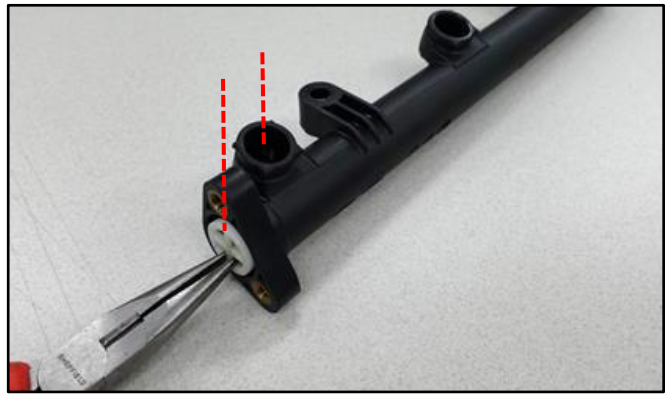
6. Using a long nose plier, carefully pull to remove the damper (F) inserted inside the delivery pipe as shown and set aside as it will be re-used.



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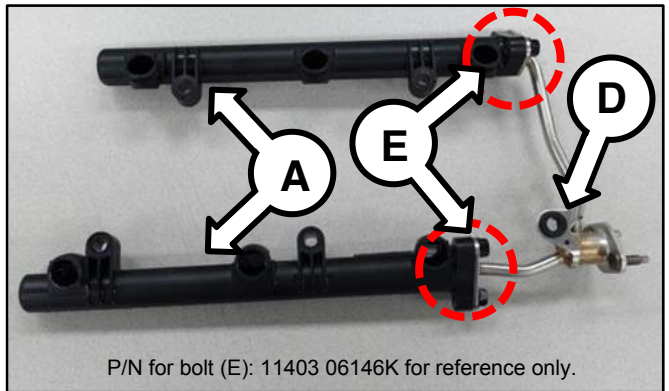
- Reinstall the damper (F) into the new delivery pipe in the same reverse order of removal.

Note: When inserting damper, carefully align the damper horizontally to the injector port direction as shown.

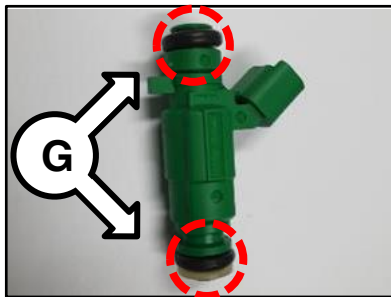


- Install the removed crossover fuel assembly (D) by tightening the four (4) retaining bolts (E) to re-assemble the delivery pipe assembly (A).

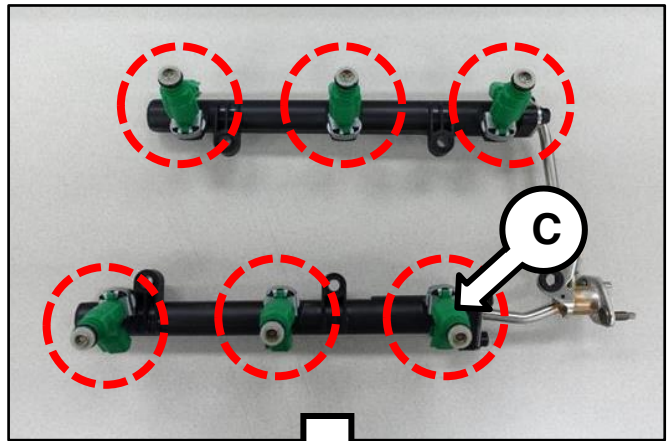
Torque Specifications for bolts (E):
 6.70 - 8.90 lb.ft (9.0 - 12.0 N.m,
 0.92 - 1.22 kgf.m)



- Install the removed injectors (C) to the fuel delivery pipe in the reverse order of removal using new injector o-rings (G).

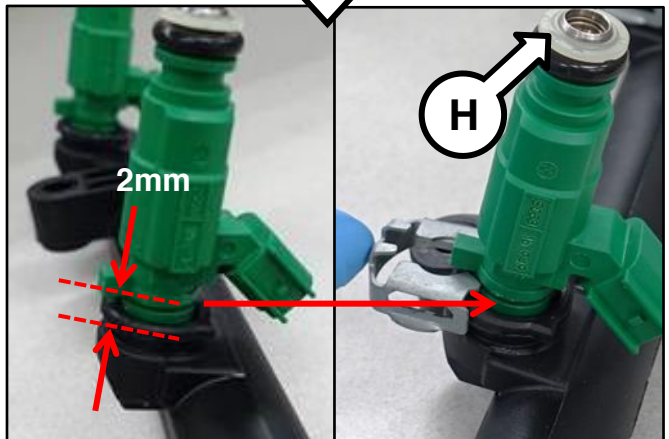


Note: Lubricate o-rings when installing.



CAUTION
 Carefully install the new injector o-rings (G) as damage to the plastic washer (H) may occur.

*** NOTICE**
 DO NOT insert the injector too deep into the fuel pipe port. The injector groove for the retaining clip must be 2mm high.



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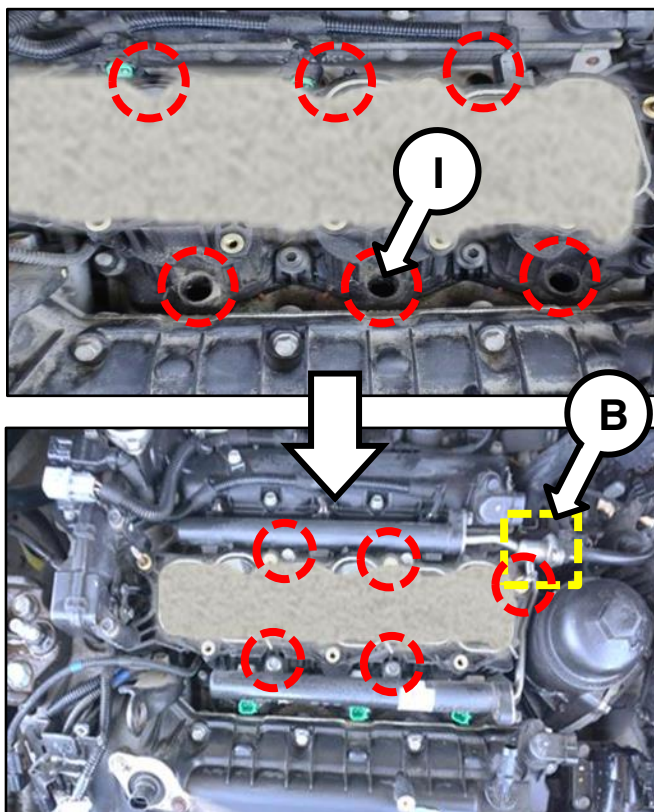
10. Install the delivery pipe assembly in the reverse order of removal.

*** NOTICE**

Ensure to clean the injector seat holes (I) before installing the delivery pipe and inserting the injectors.

Torque Specifications for the five (5) mounting bolts, outlined in red:
6.50 - 8.70 lb.ft (8.80 - 11.80 N.m,
0.90 - 1.20 kgf.m)

Torque Specifications for
Fuel delivery supply tube (B):
6.50 - 8.70 lb.ft (9.00 - 12.00 N.m,
0.92 - 1.22 kgf.m)

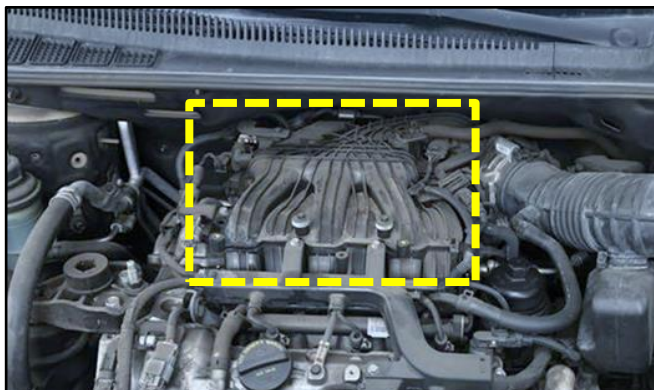


11. Install the surge tank in same reverse order of removal. Use the new supplied gaskets.

Torque Specifications for Surge Tank:
7.20 - 8.70 lb.ft (9.80 - 11.80 N.m,
1.00 - 1.20 kgf.m)

*** NOTICE**

If the Electronic Throttle Control (ETC) coolant hose was detached, replenish coolant as needed.



12. Install all other removed components in the same reverse order of removal.

Note: Discard the removed fuel delivery pipe(s).

13. Confirm normal operation of the vehicle and restore radio presets.
14. Using KDS, confirm DTC(s) are erased.


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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sedona (VQ)	March 3, 2010 to August 14, 2012

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Delivery Pipe Kit (Fuel Rail Kit)	35304 3CA00QQK		1

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	35304 3CAC1	0	(SC188) Delivery Pipe Replacement and Erase DTC(s)	201020R0	1.1 M/H	35304 3CA00QQK	1

Note: If necessary, use sublet code 'X2' for rental expense reimbursement (up to 3 days maximum).

*** NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC188 when accessing the WebDCS system.