

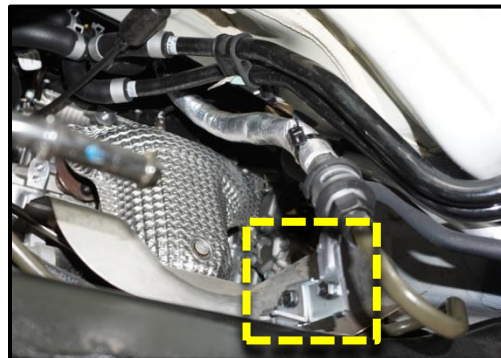


GROUP CHA	MODEL 2015~2016MY Sedona (YP)
NUMBER SC 127	DATE February 2016

VOLUNTARY SERVICE CAMPAIGN

SUBJECT: POWER STEERING HOSE — BRACKET INSTALLATION (SC 127)

This bulletin provides the procedure for installation of a bracket to hold the power steering hose in 2015 and 2016MY Sedona (YP) L, LX and EX vehicles, produced from June 17, 2014 through December 7, 2015. The insulation for the power steering hose may become worn as a result of vibration contact with the exhaust manifold. To address this condition, Kia is launching a Service Campaign to add a bracket to ensure the appropriate clearance is maintained between the hose and the exhaust manifold, and to inspect, and if necessary, add additional heat shielding to the power steering hose or to replace the power steering hose in case of excessive wear damage.



★ 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.

★ NOTICE

Parts for this campaign are subject to mandatory parts return. Unnecessarily replaced parts may be subject to charge-back.

File Under: <Voluntary Service Campaign>

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- Circulate To: General Manager Service Manager Parts Manager
- Service Advisor(s) Technician(s) Body Shop Manager Fleet Repair

Inspection Procedure:

1. Place the vehicle on the lift.



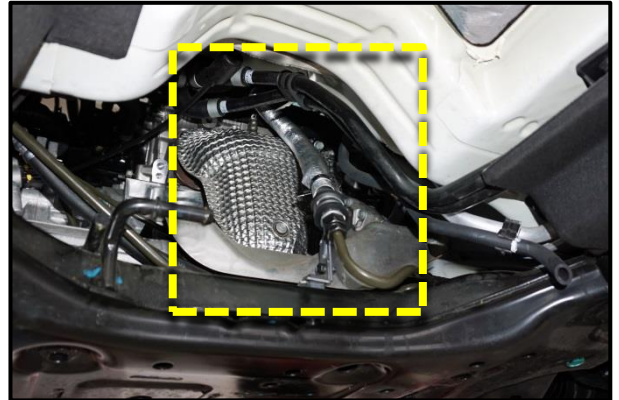
WARNING

To avoid possible injury, allow the engine to cool down before performing the procedure.

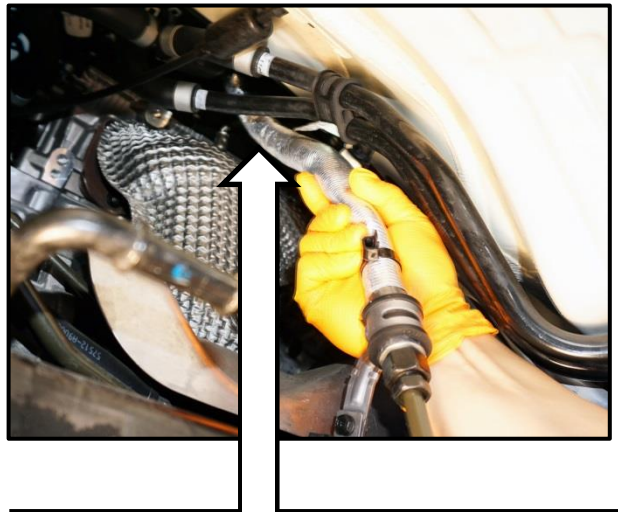
2. Inspect the power steering hose for possible contact with the exhaust manifold.

*** NOTICE**

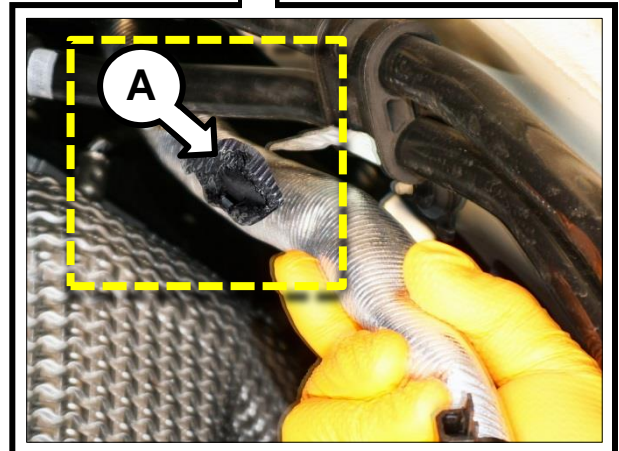
Exhaust down pipe removed for illustration only purposes.



3. Grasp the base of the hose and twist the heat shielding to inspect for possible damage. If the power steering hose heat shield does NOT show signs of wear, proceed to Service Procedure #1, on Page 4.

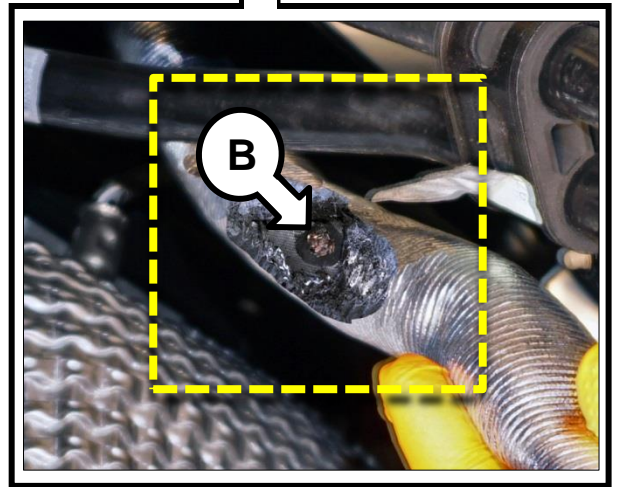
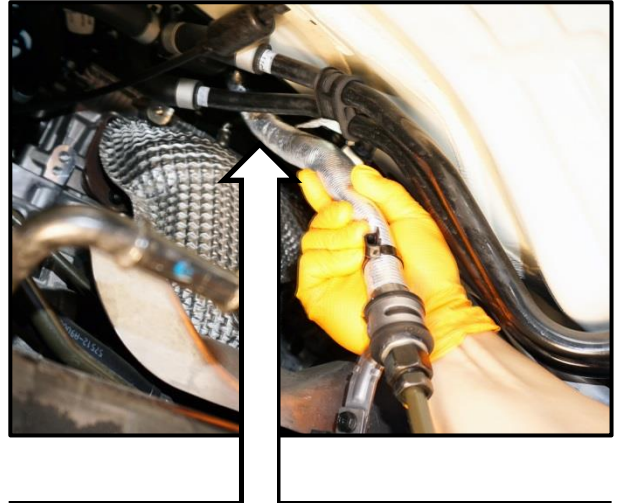


4. If the power steering hose heat shield exhibits signs of wear from vibration contact (A), proceed to Service Procedure #2, on Page 6. **NOTE: any shield cut through or (almost) punctured from vibration contact will require Service Procedure #2 and installation of additional heat shield provided that the hose itself is not damaged as described in step 5.**



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5. If in addition to the heat shield, the power steering hose itself shows signs of excessive wear (B), proceed to Service Procedure #3, on Page 9. **NOTE: replace hose assembly ONLY if it has been damaged by the heat shield cutting into the rubber. Minor rub marks or 'polished' appearance are acceptable.**



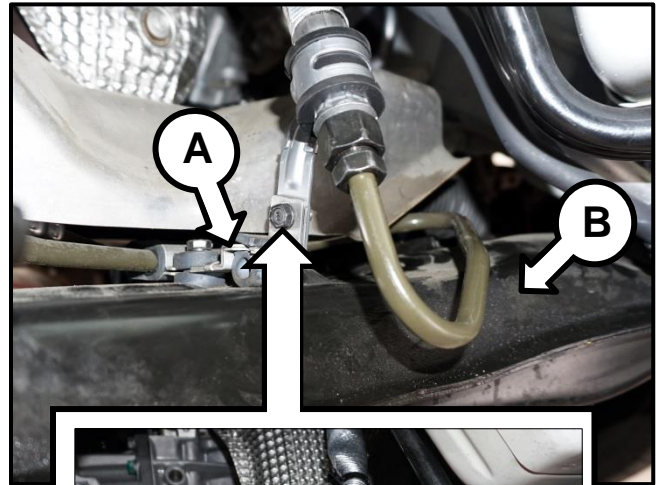
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Service Procedure #1: Installing hose bracket ONLY

1. Locate the lower power steering hose attachment bracket (A) on the sub-frame (B).

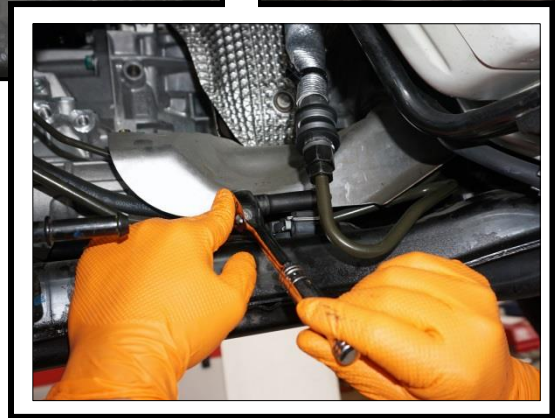
⚠ WARNING

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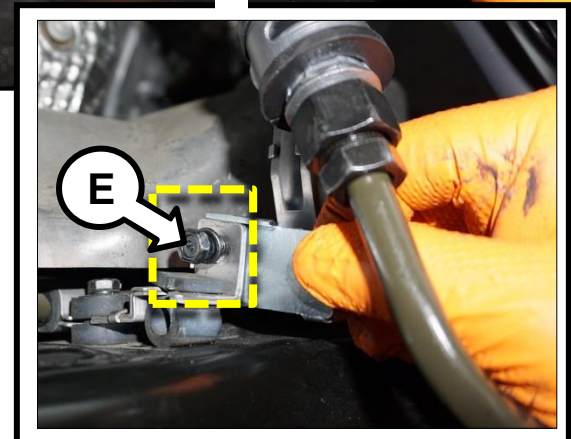
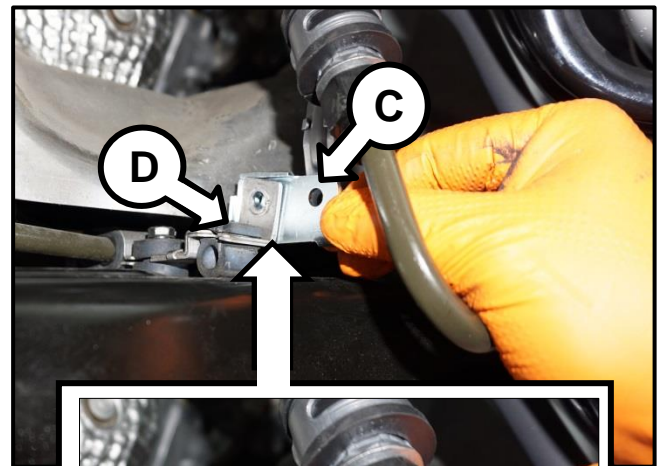


2. Remove and retain the bolt securing the power steering hose to the bracket.

Tightening torque :
5.1 ~ 8.0lb-ft (6.9 ~ 10.8 Nm)



3. Install the new bracket (C) onto the existing power steering hose bracket (D) on the sub-frame, as shown. **NOTE: secure the new bracket in place using the original bolt (E).**

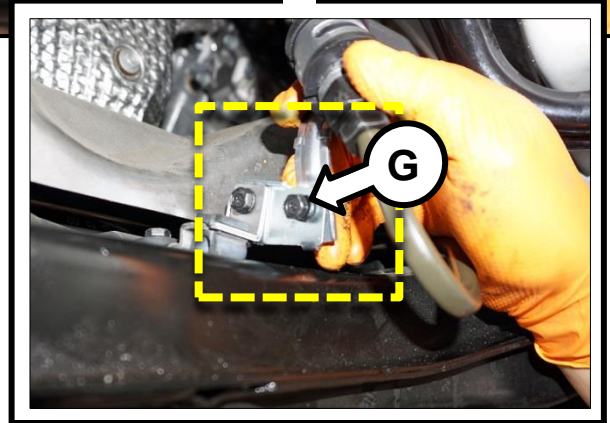
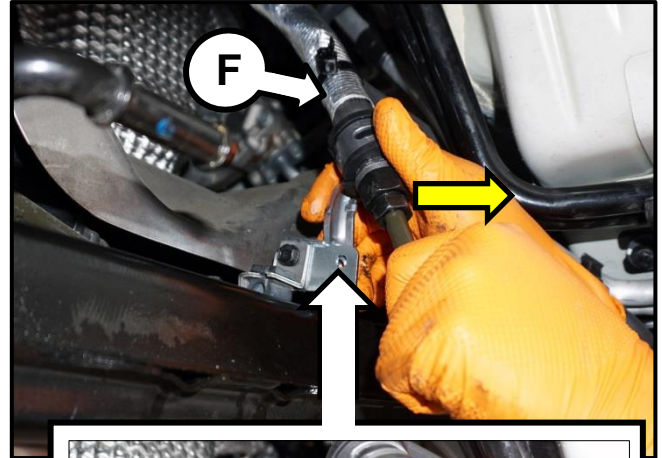


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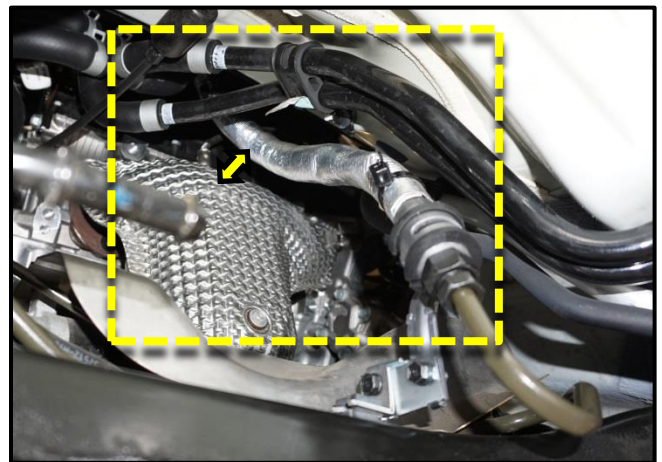
- Carefully pull the power steering hose (F) back until the mounting hole on the original bracket aligns with the mounting hole on the new bracket, as shown. **NOTE: Secure the original bracket onto the new bracket using the bolt (G) included with the bracket kit.**

Tightening torque :

5.1 ~ 8.0 lb-ft (6.9 ~ 10.8 Nm)



- Inspect the power steering hose routing to make sure there is approximately 0.4" (10mm) of clearance between the heat shield and the exhaust manifold.



Service Procedure #2: Installing hose bracket and heat shield

1. Install the bracket kit as described on steps 1~3 of the first Service Procedure.
2. After the bracket kit has been installed, use your fingers to increase the diameter on either end of the new heat shield (A), as shown.

*** NOTICE**

Click on the link shown below, or scan the QR Code, for a video clip on heat shield installation.

[Heat Shield Installation](#)

**WARNING**

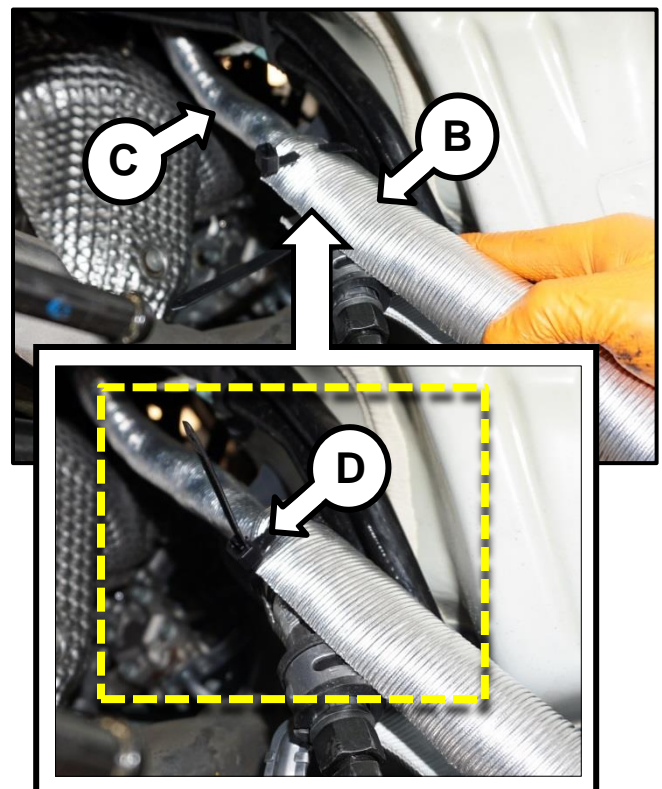
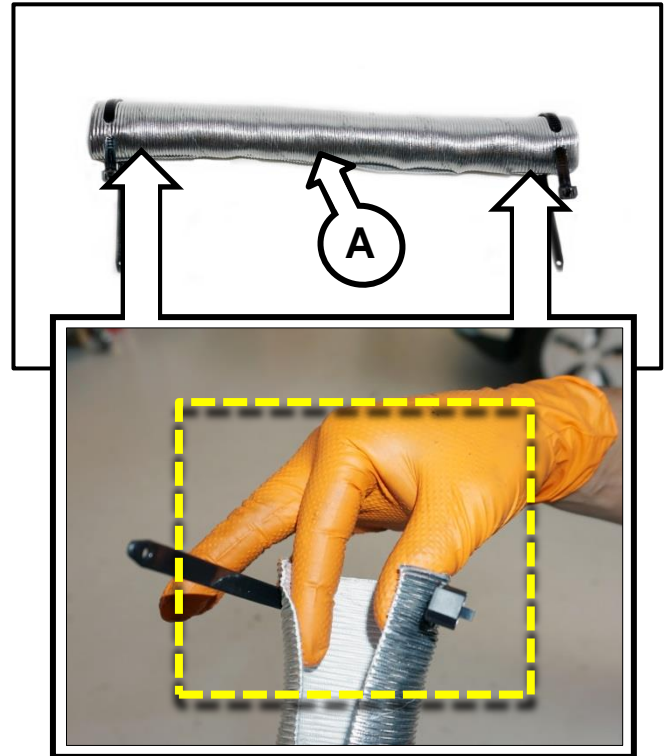
To avoid possible injury, allow the engine to cool down before performing the procedure.

3. Insert the end of the heat shield (B) with the wider diameter over the existing heat shield (C) on the power steering hose, as shown.

*** NOTICE**

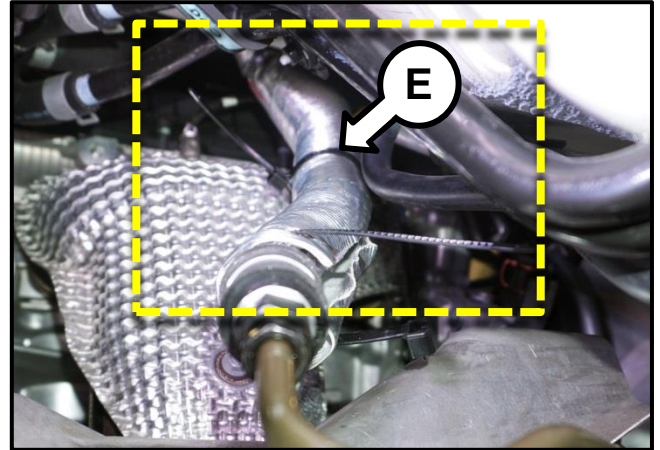
Do **NOT** remove the original heat shield from the power steering hose.

4. Assemble and tighten the reusable, upper cable tie (D) on the heat shield, as shown. Then, remove the excess cable tie.

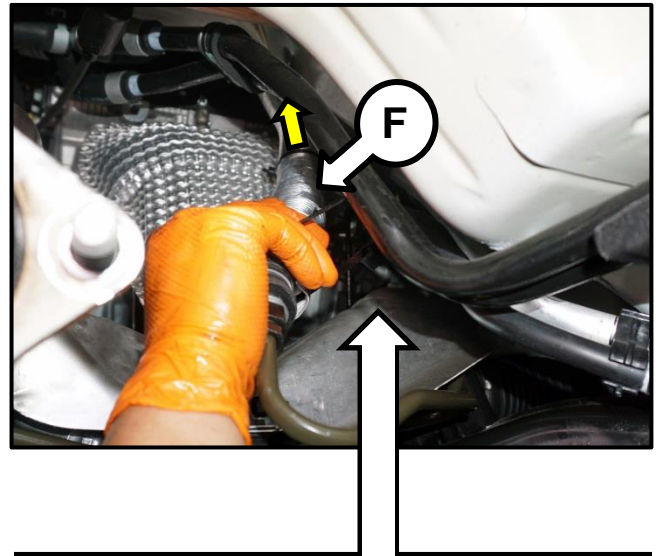


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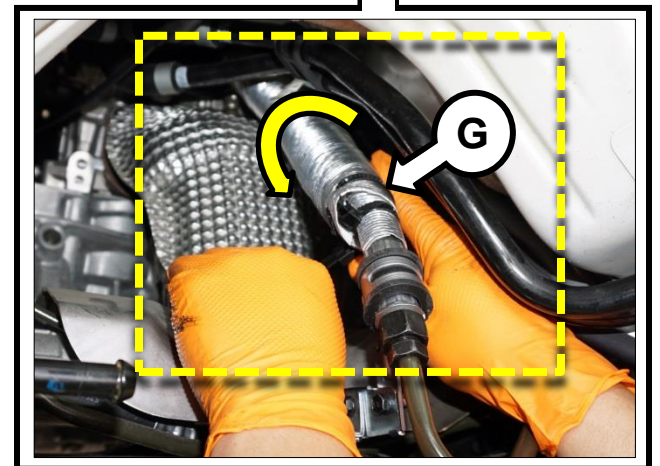
5. Install the third cable tie (E) onto the heat shield at approximately the halfway point, as shown. Then, remove the excess cable tie.



6. Feed the new heat shield (F) until the lower edge is flush with the lower edge of the original heat shield.



7. Assemble and tighten the lower, reusable cable tie (G), as shown. Then, remove the excess cable tie. **NOTE: prior to tightening the lower cable tie (G), rotate the heat shield, counterclockwise, to move the open slit in the heat shield away from the manifold.**



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8. Use your hand to squeeze the entire length of the heat shield (H), as shown, to make sure it fits snugly against the original heat shield.



9. Inspect the power steering hose routing to make sure there is a minimum of 0.4" (10mm) of clearance between the heat shield and the exhaust manifold.

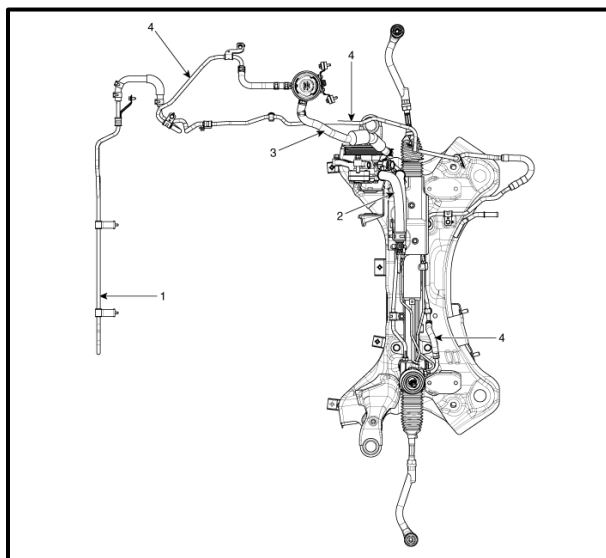


SUBJECT: POWER STEERING HOSE — BRACKET INSTALLATION (SC 127)**Service Procedure #3: Replacing pipe and hose assembly***** TIP:**

In addition to the procedure provided in the service information for power steering hose removal, refer to the service information to also remove the following components:

1. Air Cleaner Box
2. Throttle Body
3. Intake manifold
4. Exhaust pipe

1. Replace the affected power steering hose by referring to **Steering System > Hydraulic Power Steering System > Power Steering Hoses > Repair Procedures** in the applicable Service Manual.



2. Re-install all other removed components by reversing the order of removal.
3. Verify power steering fluid level and replenish, as necessary. Additionally, bleed the system per the procedure in the service information.

*** NOTICE**

Make sure to wipe off any fluid that may have leaked onto the sub-frame, or other components.

4. Start the vehicle to confirm proper operation and inspect for any possible leaks.

SUBJECT: POWER STEERING HOSE — BRACKET INSTALLATION (SC 127)


AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Sedona (YP)	From June 17, 2014 through December 7, 2015



*** NOTICE**

Parts (Pipe and Hose assembly) for this campaign are subject to mandatory parts return. Unnecessarily replaced parts may be subject to charge-back.

PARTS INFORMATION:

Part Name	Part Number	Qty.	Figure
Bracket & Bolt Kit	57251 A9900QQK	1	

RELATED PARTS:

Part Name	Part Number	Figure	Comments
Heat Shield Kit	57521 A9210QQK		Order only as required for "in use" vehicles.
Pipe and Hose Assembly	57510 A9202		NOTE: units in dealer stock will not have been exposed to vibration contact wear to the extent that parts would be required (other than the bracket).

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WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	57510 A9201	0	N99	C99	(SC 127) Power Steering Hose Inspect and Bracket Install	160002R0	0.2 M/H	57251 A9900QQK	1
					(SC 127) Power Steering Hose Inspect, Heat Shield and Bracket Install	160002R1	0.3 M/H	57251 A9900QQK 57521 A9210QQK	1 1
					(SC 127) Power Steering Inspect / Replace Hose	160002R2	1.5 M/H	57510 A9202	1

Note: use sublet code X1 for reimbursement of Power Steering Fluid (\$4.00 maximum).

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