	GROUP Safety Recall Campaign	MODEL 2006-2010 Sedona (VQ) 2007-2009MY Sorento (BL)
	NUMBER SC186	DATE June 2020
SAFETY RECALL CAMPAIGN		
SUBJECT: ABS RELAY BLOCK KIT INSTALLATION (SC186)		

This bulletin provides the procedure to install an Anti-Lock Brake System (ABS) relay block on the Process Control Box (PCB) – Fuse/Junction Box of certain 2006-2010MY Sedona (VQ) vehicles and certain 2007-2009MY Sorento (BL) vehicles (refer to page 8/8 for production dates). When the vehicle is in the key OFF position and parked, the Hydraulic Electronic Control Unit (HECU) remains energized. If moisture enters the HECU, an electrical short circuit could occur even though the vehicle is turned off and parked. An electrical short circuit inside the HECU may increase the risk of an engine compartment key OFF fire. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

Installation Procedure: Sedona (VQ) page 2 - Sorento (BL) page 4.



★ 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

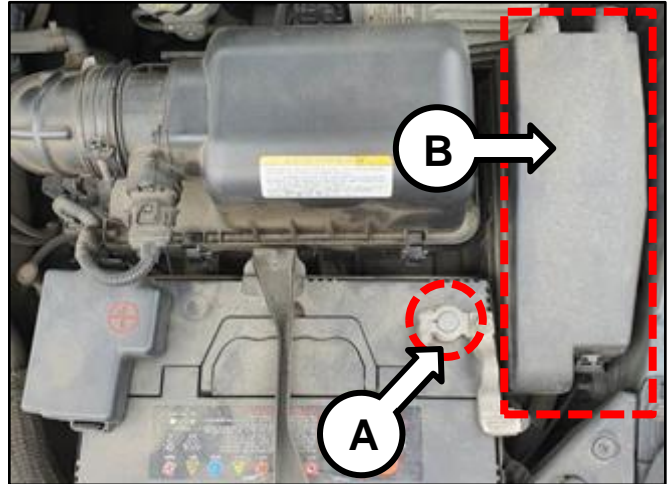
To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

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

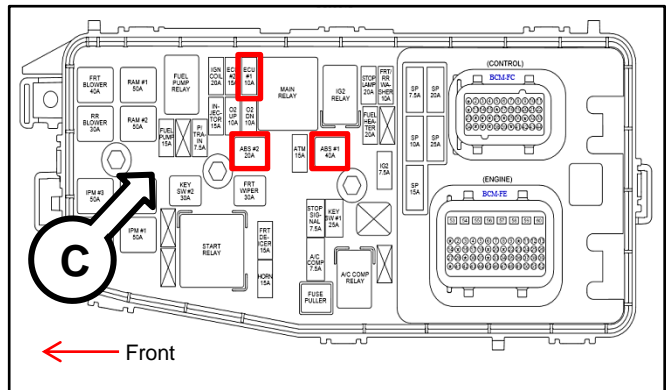
Installation Procedure for Sedona (VQ):

- 1a. Open hood and disconnect the battery Negative (-) cable (A).
- 1b. Remove the junction box cover (B).



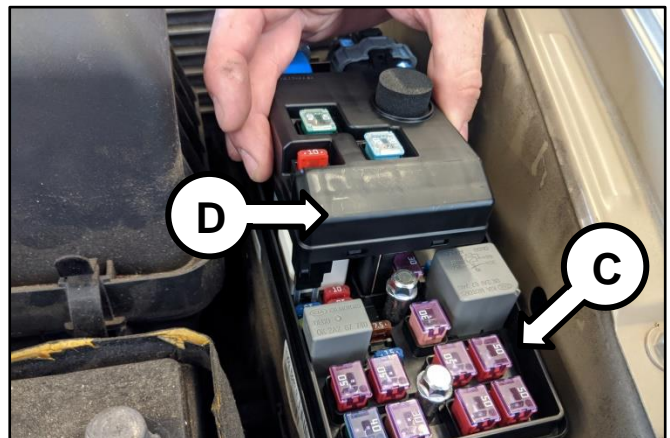
2. Remove the following three (3) fuses from the junction box (C):

1. ECU 10A
2. ABS 20A
3. ABS 40A

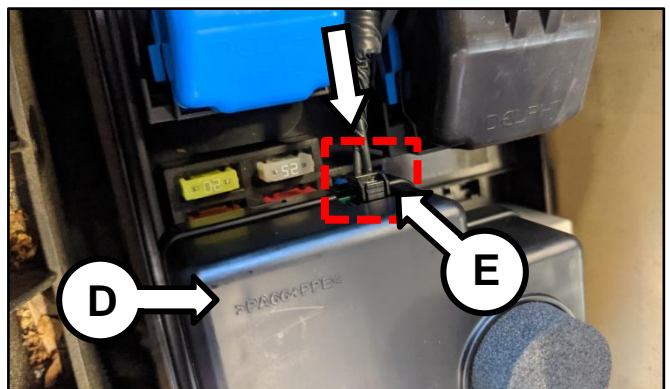


3. Install the relay block (D) to the junction box (C). Be sure to align the bottom connections to the removed fuses on the junction box.

Secure relay block by pressing down firmly.



4. Connect the supplied cable (E) from the kit to the back of the relay block (D).



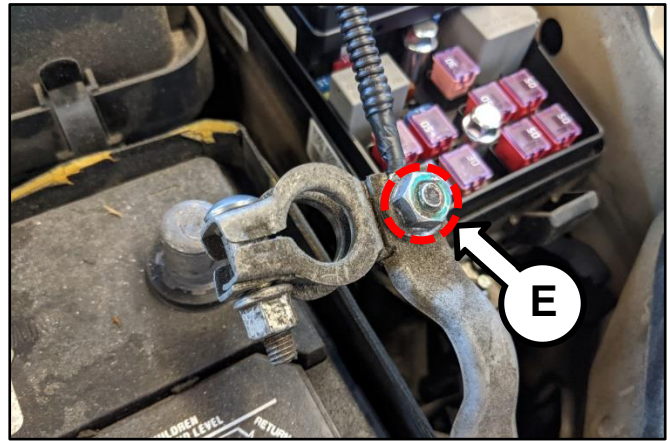
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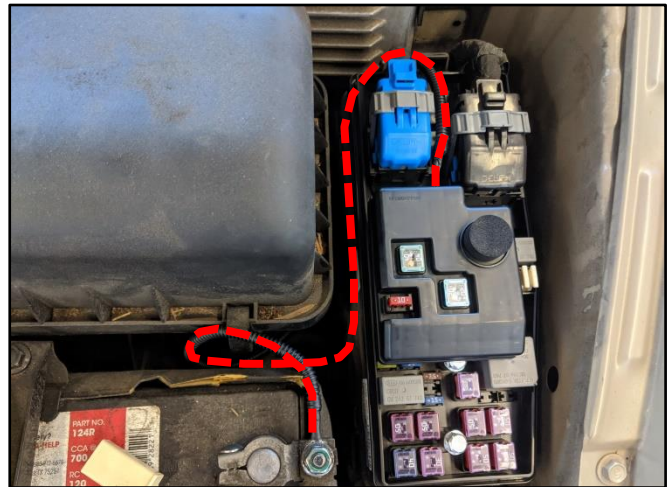
5. Connect the opposite end of the cable (E) to the battery negative terminal as shown.

Torque specification for bolt:

**14.47 - 21.70 lb.ft (19.61 - 29.42 N.m,
2.00 - 3.00 kgf.m)**



6. Re-connect the negative (-) battery terminal to the battery post and route the relay block cable (E) around the junction block.



7. Install the new junction box cover.



8. Turn ignition ON and confirm no warning lamps are displayed on the cluster.

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- A close-up photograph of a vehicle's fuse box. A red dashed rectangular box highlights a specific fuse, which is a small white component. A white arrow with a black outline points from a white circle containing the letter 'C' to this highlighted fuse. The fuse box contains various other fuses of different colors (red, blue, green, yellow) and sizes, along with some larger grey components. The background is dark and shows parts of the vehicle's engine compartment.

- [illegible]

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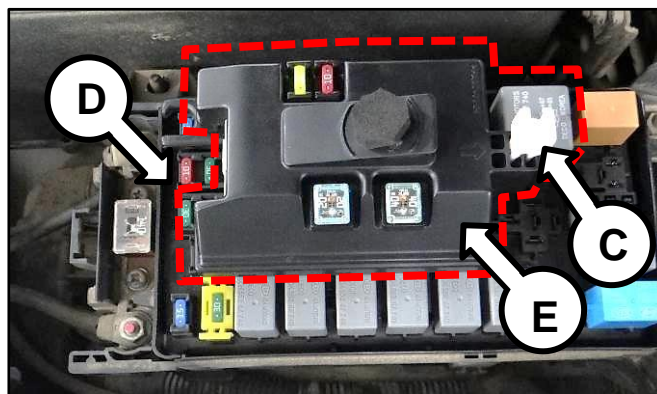
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5a. Install the relay block (E) from the kit into the junction box (D). Be sure to align the bottom connections to the removed fuses on the junction box.

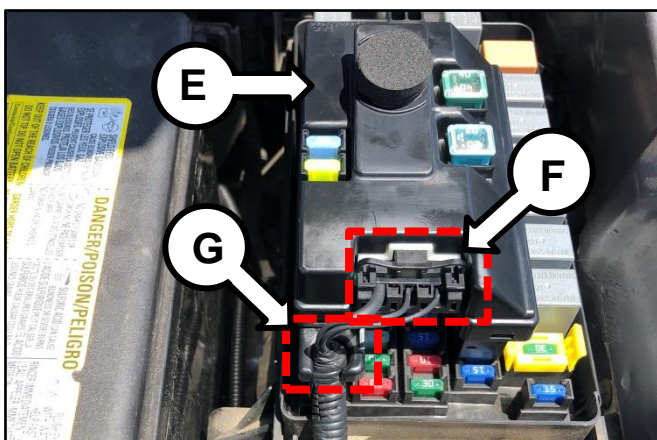
5b. Install the previously removed fuse holder (C) to the relay block.

Secure relay block by pressing down firmly.



6a. Insert the supplied cable (F) connector end from the kit to the relay block (E) until a click is heard.

Secure harness wiring to the hook (G).



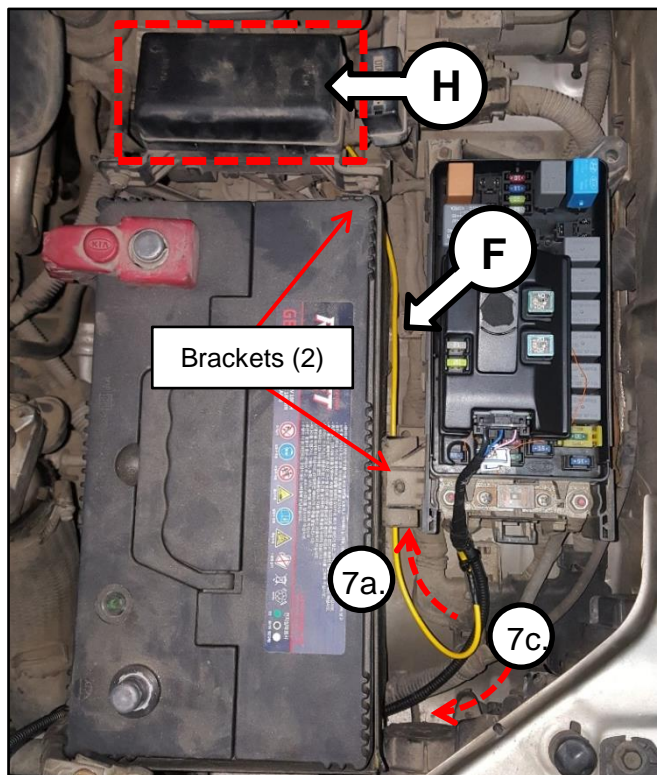
7a. Run the other end of the cable (F), shown in yellow, to the gasoline box (H) as shown.

❗ IMPORTANT

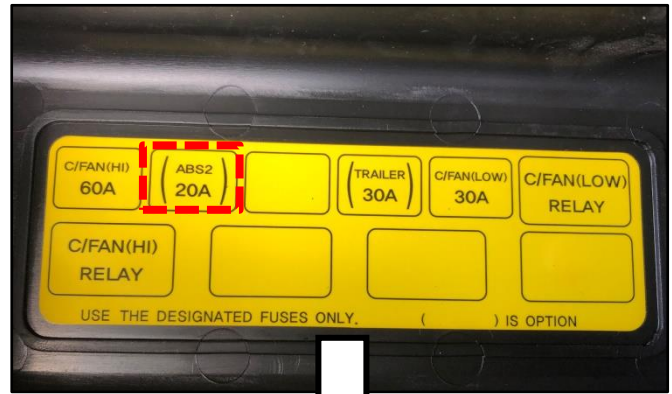
Run the cable below the two (2) brackets as shown. The yellow cable shown may differ in color.

7b. Remove the gasoline box (H) cover.

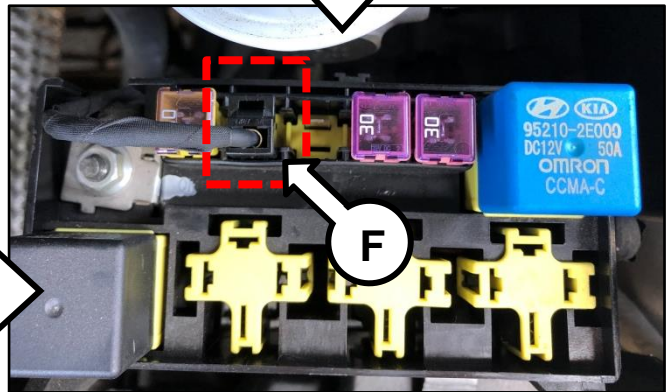
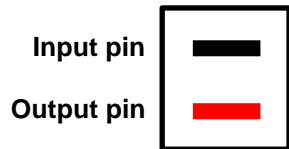
7c. Route the black insulated wire towards the negative (-) post on the battery as shown.



8. Remove the ABS2 20A fuse in the gasoline box.

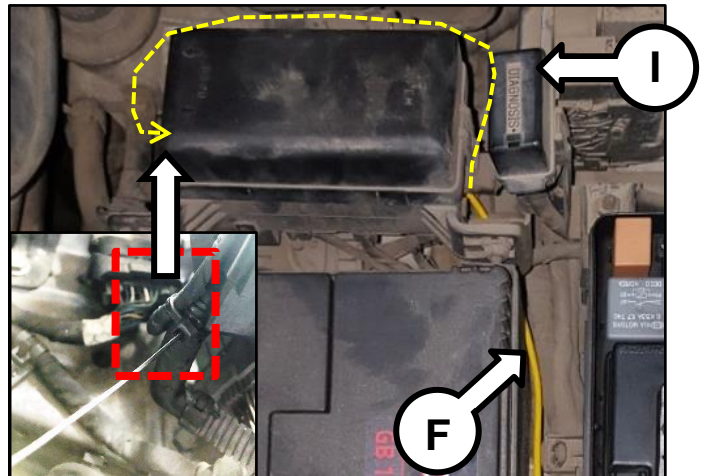


9. Insert the yellow cable (F) pin connector end into the bottom 20A output pin as shown below. Note: Check the output pin position and locking direction when installing the connector.



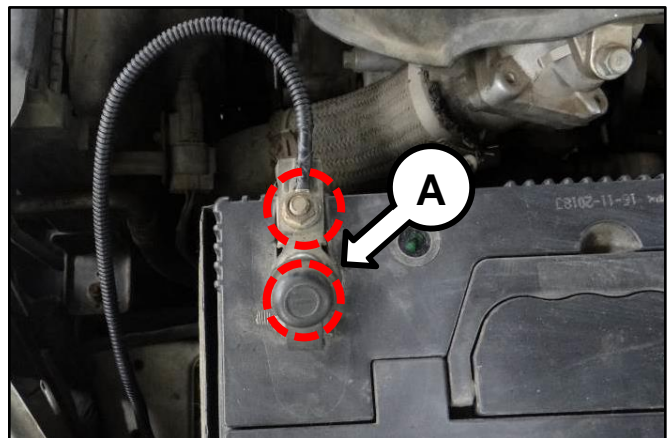
10. Reinstall the gasoline box cover (I) and secure the wire using a zip-tie from kit to the existing 12v input harness as shown.

Note: Ensure the yellow cable (F) is routed towards the **back** of the gasoline box (follow the yellow dotted line).



11. Re-connect the battery (-) terminal (A) and secure the black insulated cable end to battery post nut as shown.

Torque specification for bolt:
 14.47 - 21.70 lb.ft (19.61 - 29.42 N.m,
 2.00 - 3.00 kgf.m)



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12. Secure the black insulated cable using the supplied zip-ties.



13. Install the new supplied junction box cover (J) from the kit.

❗ IMPORTANT

Proper installation of the junction box cover is required, to properly secure the relay block.



14. Turn ignition ON and confirm no warning lamps are displayed on the cluster.



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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sedona (VQ)	June 15, 2005 to July 15, 2009
Sorento (BL)	June 15, 2006 to December 15, 2008

REQUIRED PART:

Model	Part Name	Part Number	Figure	Qty.
Sorento (BL)	ABS / PCB Relay Block Kit	91940 3E001QQK		1
Sedona (VQ)		91940 4D001QQK		

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
BL	R	91161 3E080	0	(SC186) ABS Relay Block Installation	201021R0	0.3 M/H	91940 3E001QQK	1
VQ		91950 4D020			201021R1	0.3 M/H	91940 4D001QQK	

Note: Use sublet code 'RX' for substitute transportation for one day max allowance. Refer to section 6.11.6 of the SPPM for maximum allowed expense for rental and ride share.

* NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC186 when accessing the WebDCS system.