



GROUP
Electrical

MODEL
2014MY
Sorento (XMa)

NUMBER
052

DATE
July 2013

TECHNICAL SERVICE BULLETIN

SUBJECT: REPLACEMENT BATTERY - SERVICE INFORMATION

2014MY Sorento vehicles are equipped with a newly designed battery terminal, terminal cover and O.E. battery. When replacing the original battery, follow the procedure outlined in this bulletin as additional parts and procedural steps will be required to complete the repair. Also, review the battery application guide below for the correct year and model replacement battery information.

*NOTICE

- 2014MY Sorento is equipped with two different batteries with specific dimensions and ratings. Vehicles with a 2.4L GDI engine are equipped with a 600CCA rated battery and vehicles with the 3.3L GDI engine are equipped with an 660CCA rated battery as original equipment.
- The replacement battery is rated 700CCA and will be identical for both models.
- A battery terminal shim will be required during the installation of the replacement battery and can be located in EPC and ordered through Parts. See battery application guide below.
- A replacement insulation pad will be required when installing a replacement battery on a Sorento vehicle equipped with a 3.3L GDI engine. See Battery Application Guide below.

Battery Application Guide:

Engine	OEM Battery P/N	Replacement Battery P/N	Insulation Pad	Shim P/N
2.4L GDI	37110 27202	37110 24001U	N/A	00220 G8000U
3.3L GDI	37110 2D000	37110 24001U	37112 3L350	00220 G8000U

*NOTICE

Due to differences in SAE/BCI/DIN standards for battery, battery post and clamp design/ dimensions, replacement batteries available in the US are not always matched with/ optimized for the OE battery and clamps. The logistics, tooling and production startup time required to create "tailor made" matching battery and parts are prohibitive. Kia fully intends to address these dimensional (interface) discrepancies in future designs/ products; the interim solution, as outlined in this bulletin, will allow the recommended replacement battery to be properly installed.

File Under: <Electrical>

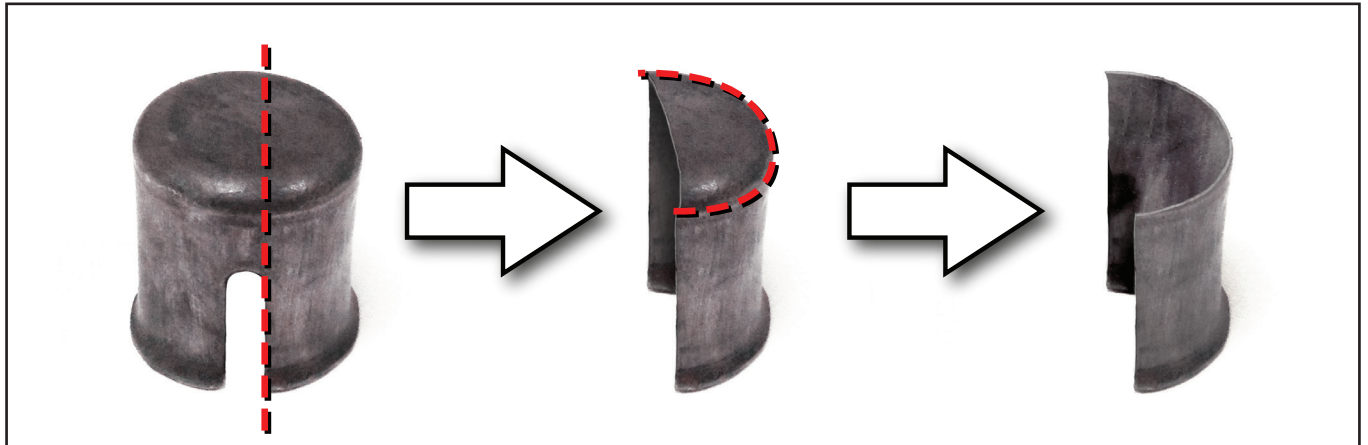
Circulate To: General Manager Service Manager Parts Manager
 Service Advisor(s) Technician(s) Body Shop Manager Fleet Repair

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Service Procedure:

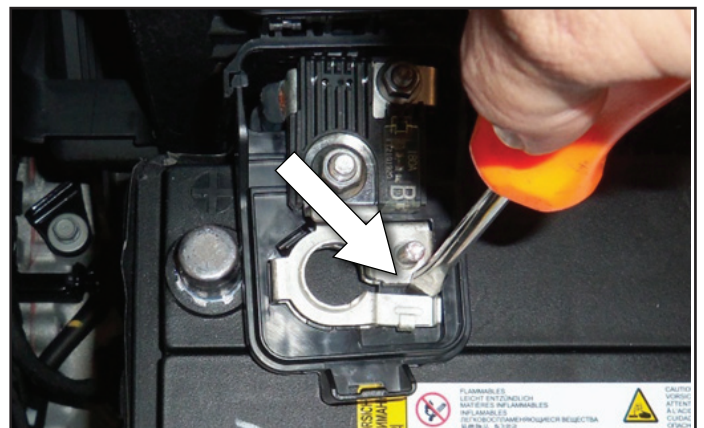
1. Install the replacement battery and insulation pad.
2. Obtain the terminal shim and use a pair of diagonal cutting pliers (dykes) to cut the shim in half and to remove the top portion, as shown below.



3. Remove the 10mm nut and clamp from the positive terminal clamp.



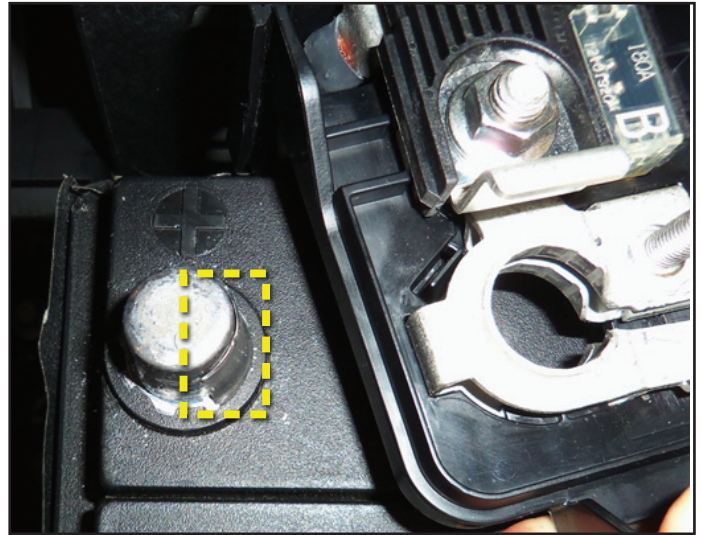
4. Use a flathead screwdriver to slightly spread open the terminal, as shown.



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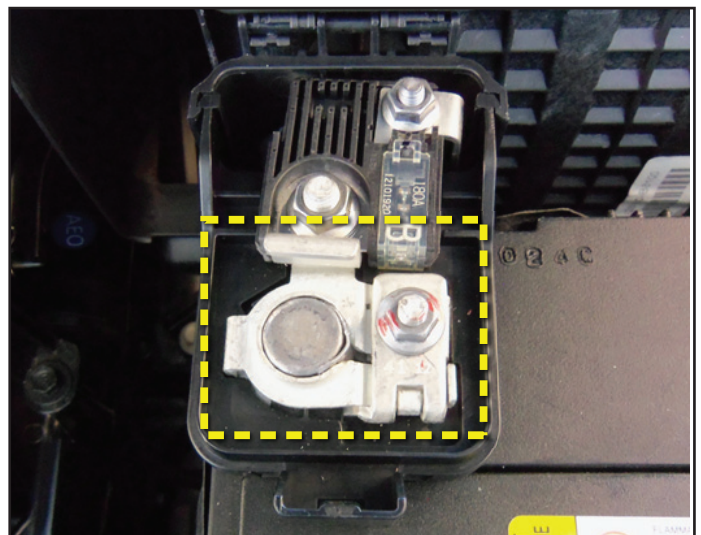
5. Install the modified shim onto the side of positive battery post. Make sure the flared portion of the shim sits flush with the base of the post and the shim is in the three o'clock position, as shown.



6. Re-install the battery terminal onto the positive battery post. Make sure the terminal is fully seated before installing the clamp and nut.

Nut tightening torque:



4.0 ~ 6.0 N.m (2.9 ~ 4.3 lb-ft)



SUBJECT:**REPLACEMENT BATTERY - SERVICE INFORMATION****AFFECTED VEHICLE PRODUCTION RANGE:**

Model	Production Date Range
Sorento (XMa)	2014MY

PARTS INFORMATION:

Model	Part Name	Part Number	Figure	Remarks
Sorento (XMa)	Battery Shim	00220 G8000U		N/A
	Insulation Pad	37112 3L350		Additional Parts only for 3.3L GDi-equipped models.

WARRANTY CLAIM INFORMATION:***NOTICE**

The parts listed above should be added to the replacement battery claim along with XTT for 0.1 M/H.