



GROUP

MODEL

BOD

2021-2022MY
Sorento (MQ4a) w/BSD

NUMBER

DATE

308

July 2022

TECHNICAL SERVICE BULLETIN

SUBJECT:

**SERVICE ACTION: REAR CORNER RADAR UNIT
BODY SEALER INSPECTION & REPAIR (SA503)**

This bulletin provides information to inspect both rear (LH & RH) corner radar unit mounting body sealer surface on some 2021-2022MY Sorento (MQ4a) vehicles equipped with rear Blind Spot Detection (BSD) System, produced from November 30, 2021 through June 30, 2022, which may have excess body sealer applied during assembly causing improper mounting angle of the rear corner radar unit. An improperly mounted rear radar unit may cause the vehicle to exhibit a MIL 'ON' with DTC C270954. Follow the procedure outlined in this publication to inspect and, if necessary, file down the seam sealer behind the bracket. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

DTC Description:**C270954 - Control Module Missing Calibration**

Rear corner radar unit bracket
body sealer interference.

NOTICE

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

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

This issue number is SA503.

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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**SERVICE ACTION: REAR CORNER RADAR UNIT
BODY SEALER INSPECTION & REPAIR (SA503)****Repair Procedure:**

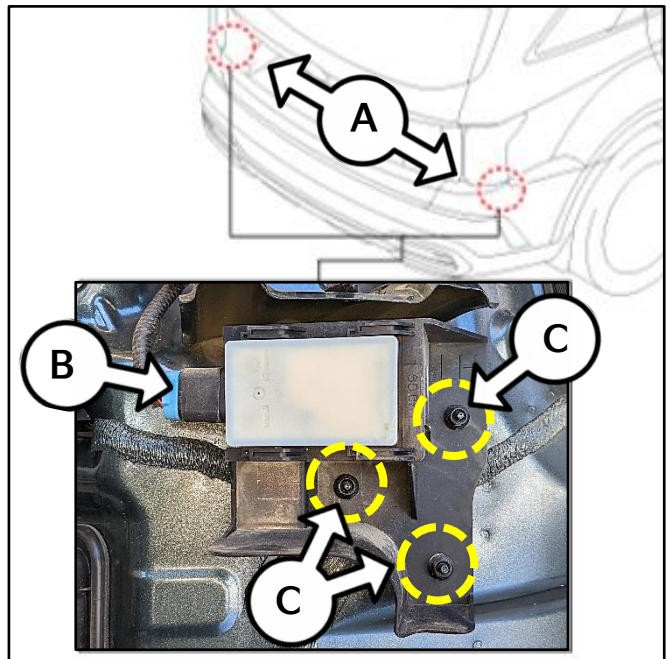
1. Remove the rear bumper cover by referring to “Body (Interior and Exterior) → Rear Bumper → Rear Bumper Assembly → Repair procedures” in the applicable Shop Manual on KGIS.

**❶ IMPORTANT**

Note that the rear corner radar bracket mounting area is ‘flat’ over the body sealer. Excessive body sealer **(NG)** will cause the radar angle to aim improperly, resulting in a MIL ‘ON’ with DTC C270954.



2. Remove **left** side rear corner radar units (A) by disconnecting the connector (B) and removing the three (3) retaining nuts (C).
3. Remove **right** side rear corner radar units (A) by disconnecting the connector (B) and removing the three (3) retaining nuts (C).



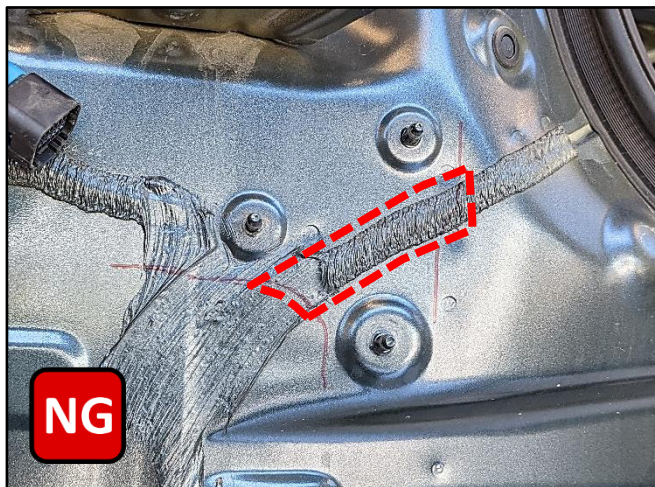
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4. Inspect the surface of the rear radar bracket mounting area shown for excess body sealer.

NOTICE

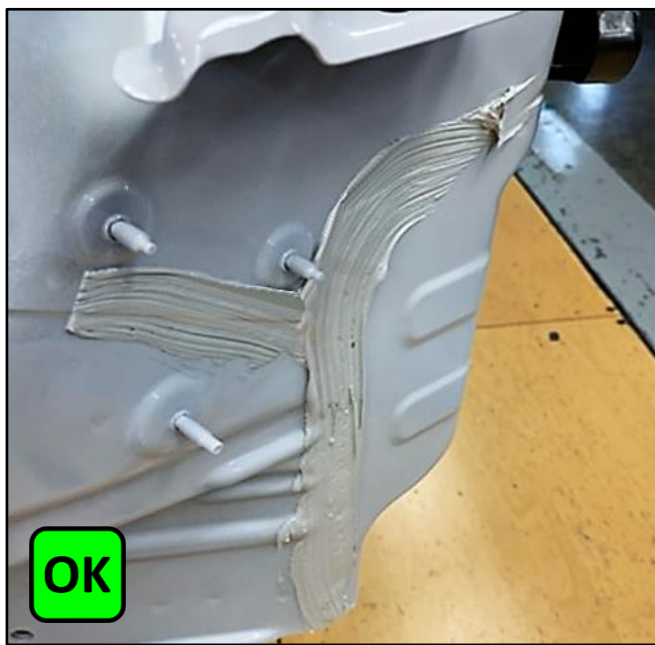
Excessive body sealer will cause the radar angle to aim improperly.



- If the body sealer exceeds thickness of 1.5mm (NG) and causes the rear radar bracket to mount improperly and/or DTC C270954 was stored, then proceed to step 5a/5b.



- If the body sealer is 1.4mm thick or less (OK) and the rear radar bracket mounts properly and/or DTC C270954 is not stored, then no further action is required. Proceed to step 8.



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- 5a. Using a small sander/grinding pad, reduce any excess body sealer until the rear corner radar bracket mounting surface is no longer obstructed by excess sealer.
- 5b. Repeat for the opposite side as needed.



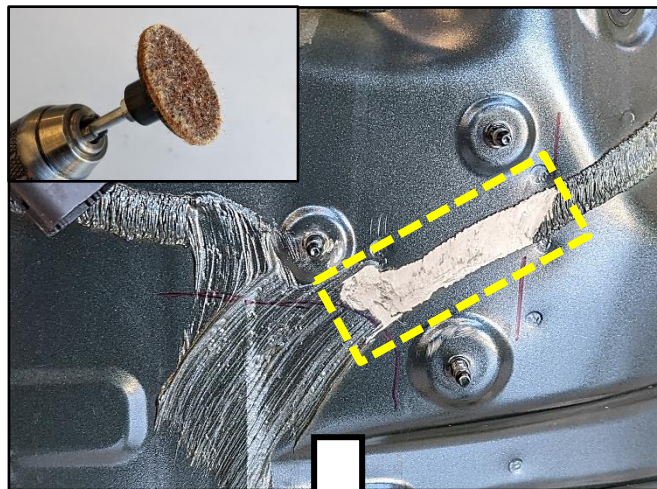
TECH TIP

Apply masking/duct tape to the painted surface surrounding the repair area and wrap a couple of layers of tape around the three (3) exposed studs.



CAUTION

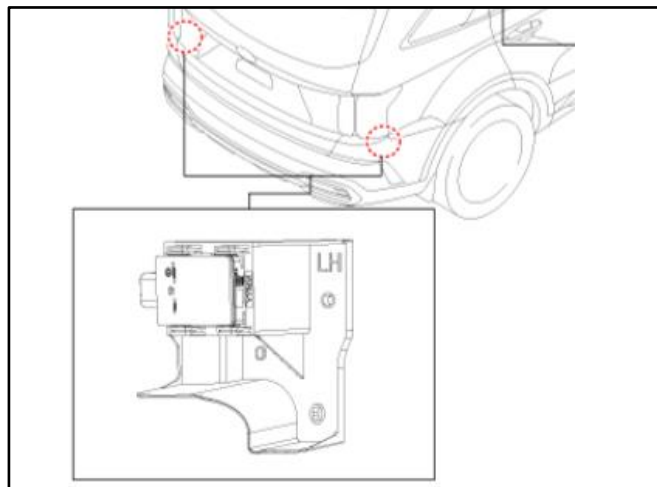
Be careful not to scrape/scratch the painted surface surrounding the repair area. Exposed metal will cause rust to develop over time.



6. Reinstall the two (2) rear radar units in the reverse order of removal.

IMPORTANT

Perform the rear corner radar unit angle calibration procedure BEFORE installing the rear bumper assembly. Refer to 'Advance Driver Assistance System (ADS) → Rear Corner radar System → Repair procedures (Adjustment)' on KGIS.



7. Reinstall all other removed parts in the reverse order of removal.
8. Start the vehicle and confirm normal operation of the Blind Spot Collision Warning (BSD) system and that no DTCs are present.

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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sorento (MQ4a)	November 30, 2021 to June 30, 2022

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Fastener/Nut	13365 06007K	N/A	As needed* (Maximum of 2 pieces)

***Note:** Only replace missing or lost Fasteners, they will not be required for every repair. A maximum of two (2) fasteners/nut can be ordered for this repair.

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.
V	99140 P2100	0	(SA503) Remove Bumper + Body Sealer Inspection (OK) + Re-calibrate	220A11IO	1.0 M/H	13365 06007K (fastener/nut) <u>Only if needed</u>	1-2
			(SA503) Remove Bumper + Body Sealer Inspection (NG) + Resurface + Re-calibrate	220A11RO	1.3 M/H		

Note: If fasteners (P/N 13365 06007K) are missing or lost during removal, manually enter the part number and replacement quantity (up to 2) in the claim. When necessary, manually enter sublet code 'X2' for reimbursement of one roundtrip rideshare expense or up to one (1) day of rental/rideshare. Attach supporting documentation.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA503** when accessing the WebDCS system.