

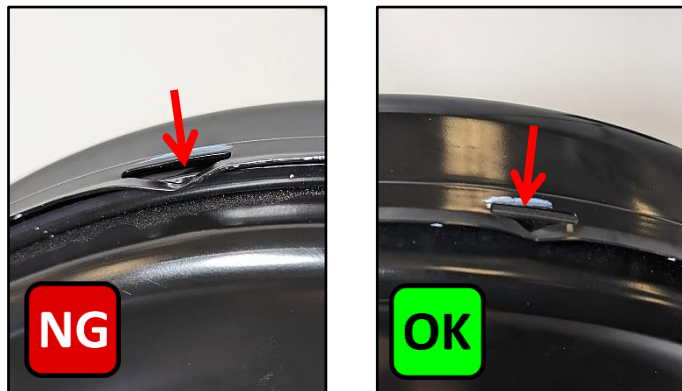


GROUP	MODEL
Safety Recall Campaign	2023MY Sportage (NQ5a)
NUMBER	DATE
SC272	June 2023

SAFETY RECALL CAMPAIGN

SUBJECT: **BRAKE BOOSTER INSPECTION & REPLACEMENT (SC272)**

This bulletin provides information to inspect and, if necessary, replace the brake booster assembly on certain 2023MY Sportage (NQ5a) vehicles, produced from January 12, 2022 through February 15, 2023. The brake booster diaphragm in the subject vehicles may become misaligned, resulting in an internal vacuum leak. An internal vacuum leak can cause loss of brake assist. A loss of brake assist can result in hard pedal feel and increased effort during pedal application, thereby increasing stopping distances and the risk of a crash. Follow the procedure outlined in this publication to inspect for an excess gap seal between the inner and outer shell and, if necessary, replace the brake booster assembly on the applicable vehicle. Before conducting the procedure, verify the vehicle is included in the list of affected VINs.



Reference images of a No Good (NG) and (OK) diaphragm seal.

NOTICE

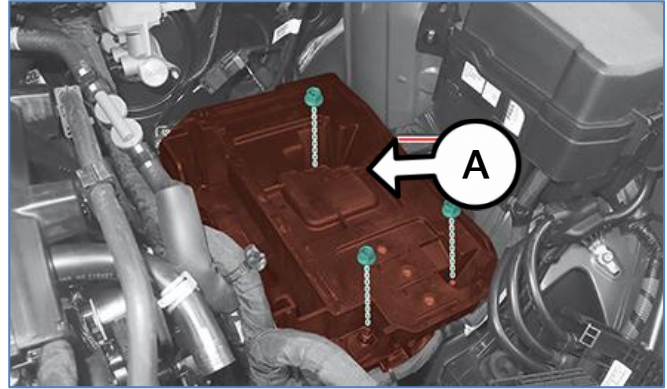
There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.

NOTICE

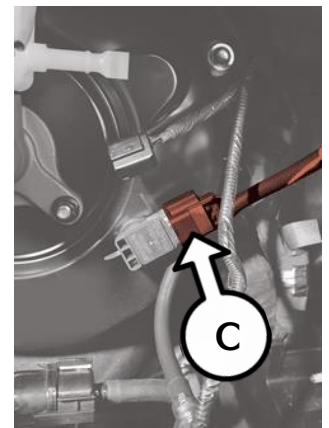
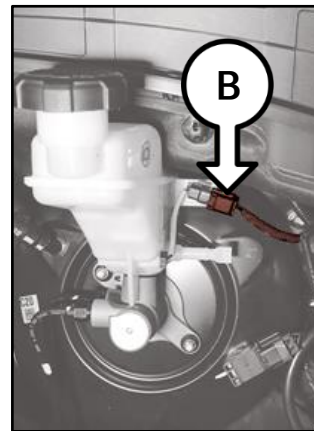
To assure complete customer satisfaction, always remember to refer to KDealer+ Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

Inspection and Replacement Procedure:

1. Open the hood.
2. Remove the battery tray (A) by referring to "Engine Electrical System → Charging System → Battery → Removal and Installation (Battery Tray)" in the applicable Shop Manual on KGIS.

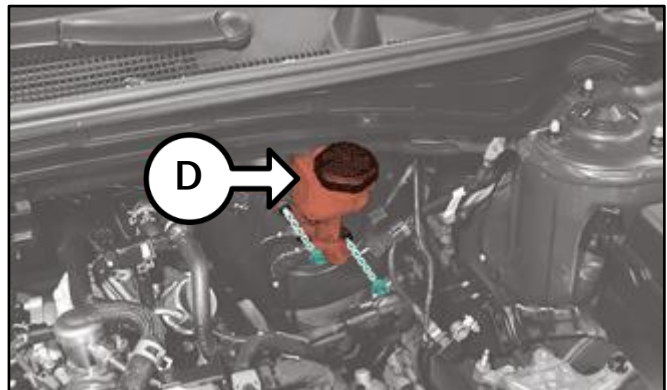


3. Disconnect the master cylinder brake fluid sensor connector (B).
4. Disconnect the brake booster vacuum sensor connector (C).



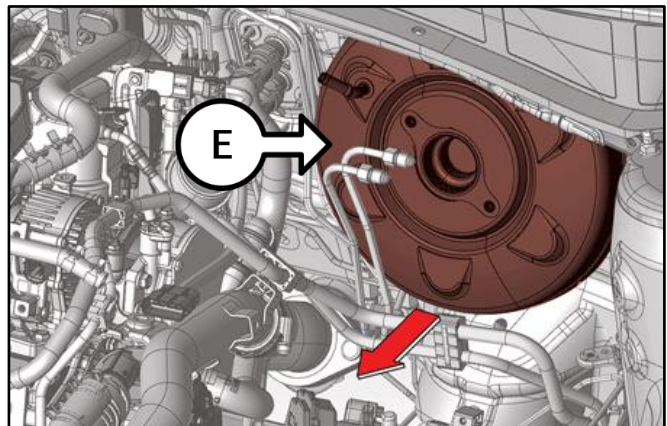
5. Detach the the brake master cylinder (D) by loosening the two (2) retaining bolts/screws.

Note: DO NOT disconnect the brake lines. This is a simplified method to allow removal of the brake booster.



5. Remove the brake booster (E) by referring to "Brake System → Brake System → Brake Booster → Removal and Installation (from step 2)" in the applicable Shop Manual on KGIS.

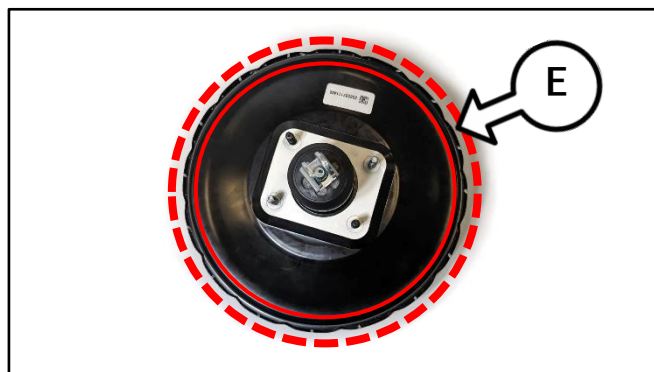
Note: Image shown for reference use only. The master cylinder must remain attached to brake lines.



SUBJECT:

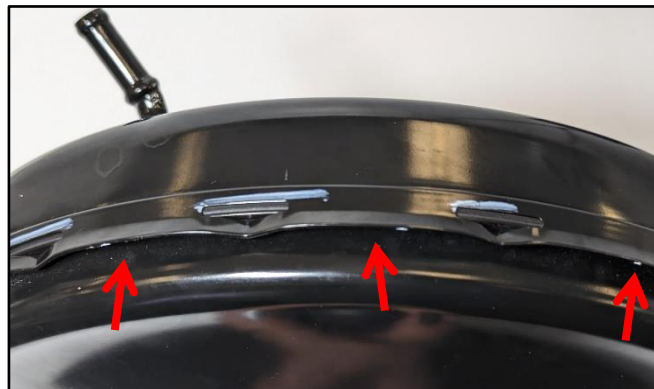
BRAKE BOOSTER INSPECTION AND REPLACEMENT (SC272)

6. Using a feeler gauge, set a thickness of 0.75mm and place the brake booster (E) on a flat surface as shown.



7. Inspect the outer and inner shell gap between ALL gasket tab points (16 total), around the outer circumference area of the brake booster.

Note: The feeler gauge should not be able to be inserted between any check point of the inner and outer shell outlined area shown.



- 8a.
 - If the feeler gauge is able to be inserted between both of the shells with an excess gap of 0.75mm or more (**NG**), replace the brake booster assembly with a new part in the reverse order of removal.



- 8b.
 - If the feeler gauge is not able to be inserted between both of the shells using the 0.75mm setting (**OK**), then reinstall the removed brake booster assembly in the reverse order of removal.




6. Reinstall all removed parts in the reverse order of removal.
7. Confirm normal vehicle operation.

SUBJECT:


BRAKE BOOSTER INSPECTION AND REPLACEMENT (SC272)**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Sportage (NQ5a)	January 12, 2022 to February 15, 2023

REQUIRED TOOL:

Tool Name	Part Number	Figure	Comments
Feeler Gauge	N/A		Locally Sourced

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Brake Booster Assembly	59110 CW200QQK		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	59110 CW200	0	(SC272) Brake Booster Inspection	231A15I0	0.6 M/H	N/A	0
			(SC272) Brake Booster Inspection and Replacement	231A15R0	0.7 M/H	59110 CW200QQK	1

Note: When necessary, manually enter sublet code 'X2' for reimbursement of one roundtrip rideshare expense or up to three (3) days of rental for brake booster replacement. Refer to Warranty Bulletin 2023-18 for claim submission procedures.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC272 when accessing the KDealer+ system.