

ResearchNotes™

Disassembly instructions from our Vehicle Research Team

2023-up Kia Sportage



CRUTCHFIELD®

2642800024



Disconnect the battery

Set parking brake and disconnect negative battery cable to prevent any electrical short. Refer to the vehicle's owner's manual for information on disconnecting the battery.



Before starting, compare items on your invoice with items received. Carefully check through packaging material. If any item is missing, please call **Crutchfield Technical Support at 1-888-955-6000**.

Although reasonable attempts are made to verify the accuracy of the information contained in these ResearchNotes, it is presented without warranties or guarantees of any type due to the constantly changing nature of this type of information and running changes in vehicle production. Any person or entity using this information does so at their own risk. If you find our instructions are different from your vehicle, or if you have questions, do not continue with your installation. Contact our toll-free technical support for assistance.

©2022 Crutchfield Corporation. All rights reserved.



Vehicle wiring guide

NOTE: In most cases, a speaker wiring adapter is available from Crutchfield and splicing will not be necessary. If no adapter is available, use this chart as a guide to splice or tap the wires. Some wiring may not be present depending on your vehicle's audio system.

FUNCTION	POLARITY/COLOR/LOCATION
Center dash speaker	Positive (+): pink, Negative (-): yellow
Left front pillar tweeter	Positive (+): violet/black or lavender/white, Negative (-): violet or lavender/black
Right front pillar tweeter	Positive (+): lavender/red, Negative (-): lavender/green
Left front door woofer	Positive (+): white, Negative (-): black
Right front door woofer	Positive (+): red, Negative (-): green
Left rear door speaker	Positive (+): yellow, Negative (-): brown
Right rear door speaker	Positive (+): orange, Negative (-): gray
Rear side panel subwoofer voice coil #1	Positive (+): black, Negative (-): green
Rear side panel subwoofer voice coil #2	Positive (+): violet, Negative (-): yellow
Speed sense ¹	gray/black - radio, white 38-pin plug, pin 38
Reverse (+) ¹	gray - ICU junction block/dash fuse box, white 58-pin plug (A), pin 16
Parking brake ¹	Use radio replacement interface if available.
Foot brake ¹	Option 1: green - brake switch, black 6-pin plug, pin 5
	Option 2: green - driver's kick panel, gray 54-pin plug (EM11), pin 19
	Option 3: green - ICU junction block/dash fuse box, white 46-pin plug (B), pin 37

NOTES:

- The speaker wire colors listed above are at the speaker location unless otherwise noted.
- If the vehicle is equipped with a factory amplifier, you'll find it under the passenger's front seat.
- ¹If available, these wires and functions may also be generated by the OEM integration interface used when replacing the radio.



Receiver

You can't replace the radio in your vehicle because of dash configuration, safety issues, or electrical compatibility.

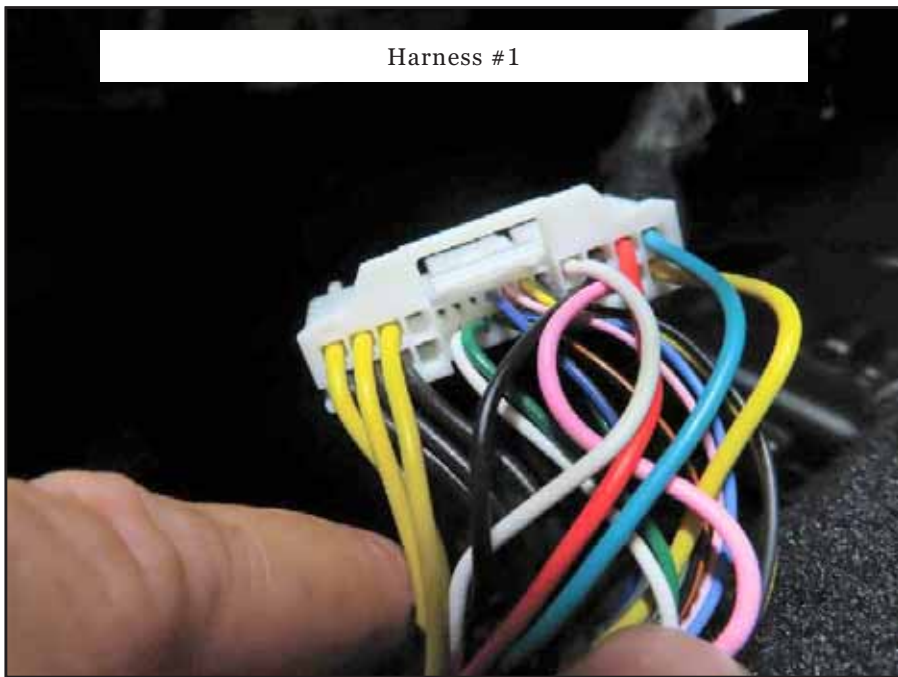


Harman Kardon amplifier

- The factory amplifier is located under the passenger's front seat.
- Amplifier access is shown for OEM integration purposes only.
- Amplifier wiring can be found on the next page.



Harness #1



Harness #2



Harman Kardon amplifier wiring

NOTE: If our wiring pin numbers don't match the actual pin numbers on your factory plug, refer to the wire colors and locations below.

Harness 1 of 2

PIN #	FUNCTION/POLARITY	COLOR
1	Constant 12 volt power	yellow
2	Constant 12 volt power	yellow
3	Constant 12 volt power	yellow
4		
5		
6		
7		
8	Accessory 12 volt power	blue/brown
9	Navigation voice (+)	pink
10	Data high	yellow
11	Data low	black
12	Left front door/pillar speakers (+)	white
13	Left front door/pillar speakers (-)	black
14	Right front door/pillar speakers (+)	red
15	Right front door/pillar speakers (-)	green
16	Chassis ground	black
17	Chassis ground	black
18	Chassis ground	black
19		
20	SPDIF (-)	white
21	SPDIF (+)	green
22	SPDIF ground	black/orange
23	Navigation voice (-)	blue
24	Amplifier turn-on	green
25		
26		
27	Center dash speaker (+)	pink
28	Center dash speaker (-)	yellow

Harness 2 of 2

PIN #	FUNCTION/POLARITY	COLOR
1		
2		
3		
4		
5		
6		
7		
8		
9		
10	Right rear door speaker (-)	gray
11	Right rear door speaker (+)	orange
12	Left rear door speaker (-)	brown
13	Left rear door speaker (+)	yellow
14		
15		
16		
17		
18		
19		
20		
21		
22		
23	Rear side panel subwoofer voice coil #1 (-)	red
24	Rear side panel subwoofer voice coil #1 (+)	green
25	Rear side panel subwoofer voice coil #2 (-)	black
26	Rear side panel subwoofer voice coil #2 (+)	white



Center dash speaker

REMOVAL INSTRUCTIONS

Tools Required: Panel tool, Phillips screwdriver

1. Starting at rear edge, pry up center dash grille to release ten (10) clips, disconnect harness, then remove grille.
2. Remove two (2) Phillips screws securing speaker to dash, disconnect harness and remove speaker.

Difficulty Rating: 5 (must fabricate bracket)

Important information about your vehicle

- Use the factory speaker grilles.
- You'll need to fabricate a mounting bracket or spacer.
- Replacing the low-impedance factory speaker with a 4-ohm aftermarket speaker will result in lower volume levels.









2. Remove two (2) Phillips screws securing speaker to dash, disconnect harness and remove speaker.





Front pillar tweeters

We have not completed research on the front pillar location at this time.



Front door woofers

REMOVAL INSTRUCTIONS

Tools Required: Panel tool, Phillips screwdriver, small flat blade screwdriver

1. Pry open screw cover inside door pull cup, then remove one (1) exposed Phillips screw.
2. Pry open screw cover on rear edge of door panel, then remove one (1) exposed Phillips screw.
3. Starting at either lower corner, pry off door panel to release twelve (12) clips. Lift panel to release one (1) slot clip, disconnect door release cable by pressing release tab, disconnect harnesses, then remove door panel.
4. Remove four (4) Phillips screws securing speaker to door, disconnect harness and remove speaker.

Difficulty Rating: 1

Important information about your vehicle

- Use the factory speaker grilles.
- You'll need speaker mounting brackets to install new speakers.
- To install 6-3/4" speakers, you'll need to remove the inner tabs on the aftermarket speaker bracket.
- A wiring harness is not available. You'll have to splice or tap the vehicle's speaker wires to your new speaker wires.
- In vehicles equipped with the Harman Kardon audio system, replacing the low-impedance factory speaker with a 4-ohm aftermarket speaker will result in lower volume levels.
- The front door woofers are wired in parallel with the corresponding front pillar tweeters.

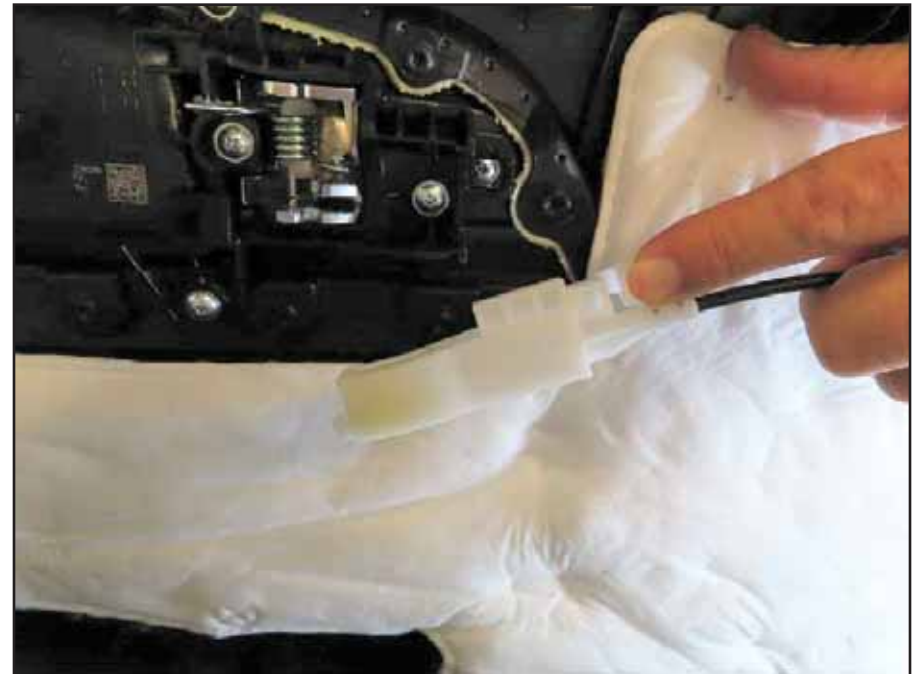
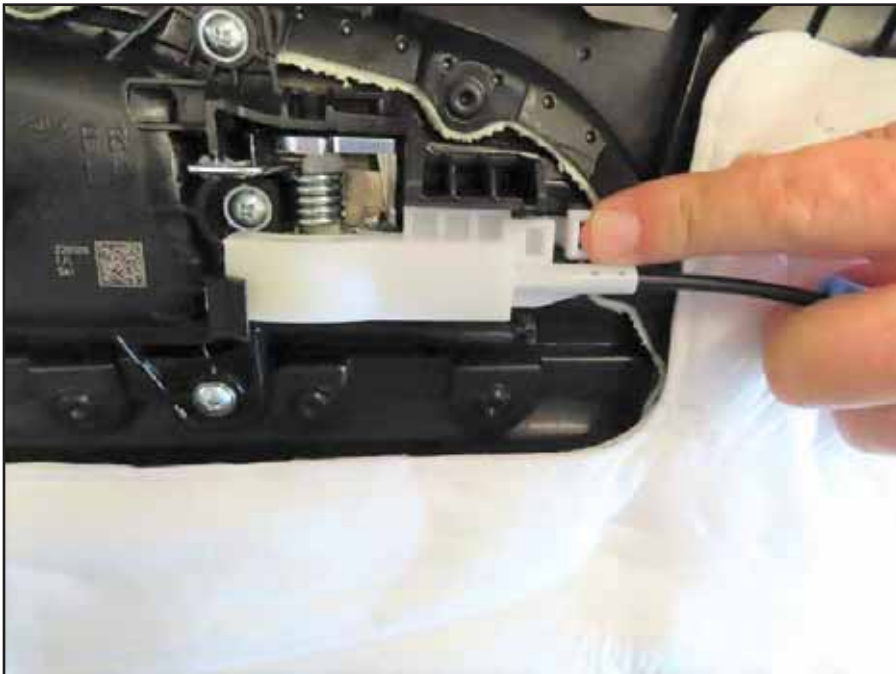
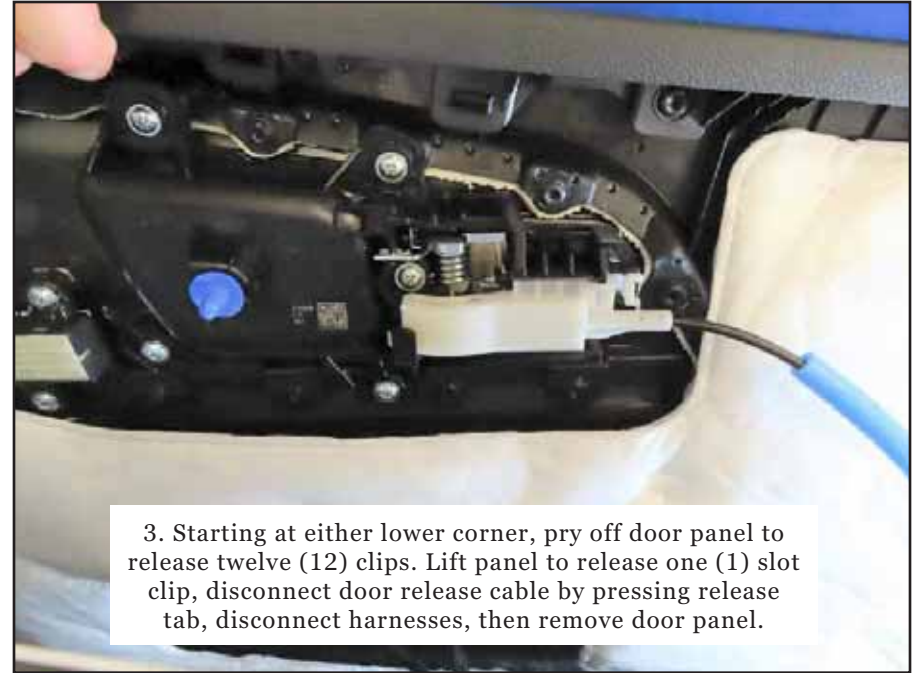






2. Pry open screw cover on rear edge of door panel, then remove one (1) exposed Phillips screw.











Rear door speakers

REMOVAL INSTRUCTIONS

Tools Required: Panel tool, Phillips screwdriver, small flat blade screwdriver

1. Starting at top corner, pry off sail panel to release four (4) clips and remove sail panel.
2. Pry open screw cover inside door pull cup, then remove one (1) exposed Phillips screw.
3. Starting at either lower corner, pry off door panel to release ten (10) clips. Lift panel to release two (2) slot clips, disconnect door release cable by pressing release tab, disconnect harness, then remove door panel.
4. Remove four (4) Phillips screws securing speaker to door, disconnect harness and remove speaker.

Difficulty Rating: 1

Important information about your vehicle

- Use the factory speaker grilles.
- You'll need speaker mounting brackets to install new speakers.
- To install 6-3/4" speakers, you'll need to remove the inner tabs on the aftermarket speaker bracket.
- A wiring harness is not available. You'll have to splice or tap the vehicle's speaker wires to your new speaker wires.







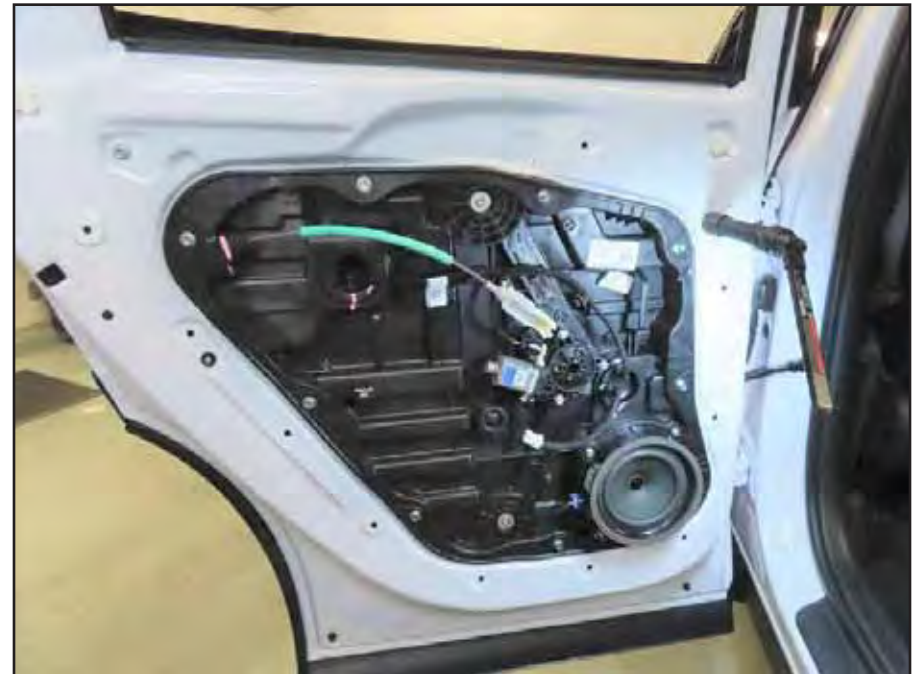
2. Pry open screw cover inside door pull cup, then remove one (1) exposed Phillips screw.





3. Starting at either lower corner, pry off door panel to release ten (10) clips. Lift panel to release two (2) slot clips, disconnect door release cable by pressing release tab, disconnect harness, then remove door panel.







4. Remove four (4) Phillips screws securing speaker to door, disconnect harness and remove speaker.





Rear side panel subwoofer

REMOVAL INSTRUCTIONS

Tools Required: Panel tool, Phillips screwdriver, Torx T20 driver

1. Lift cargo floor panel to remove.
2. Pry out two (2) center pushpin clips along front edge of hatch door scuff plate by prying out center pin, then prying out clip.
3. Pull up hatch door scuff plate to release six (6) clips and remove.
4. Remove foam tool tray and fold down rear seat backs.
5. Remove three (3) Phillips screws along lower edge of rear side panel.
6. Remove one (1) Phillips screw inside rear seat back release handle.
7. Pull passenger's side rear door weather strip away from body along scuff plate and rear side panel.
8. Pry up passenger's side rear door scuff plate to release three (3) clips and remove.
9. Remove one (1) Phillips screw exposed by removal of rear door scuff plate.
10. Pry out top and side edges of rear side panel to release fifteen (15) clips, then lay panel down.
11. Remove four (4) Torx T20 screws securing subwoofer to enclosure, disconnect harnesses and remove subwoofer.

Difficulty Rating: 2 (moderate disassembly)

Important information about your vehicle

- Use the factory speaker grilles.
- You'll re-use the factory enclosure when you install your new subwoofer.
- You'll need speaker mounting brackets to install new speakers.
- Replacing the low-impedance factory speaker with a 4-ohm aftermarket speaker will result in lower volume levels.
- The factory system sends only bass frequencies to the dual voice coil subwoofer in this location, so a replacement aftermarket speaker will also only play bass.





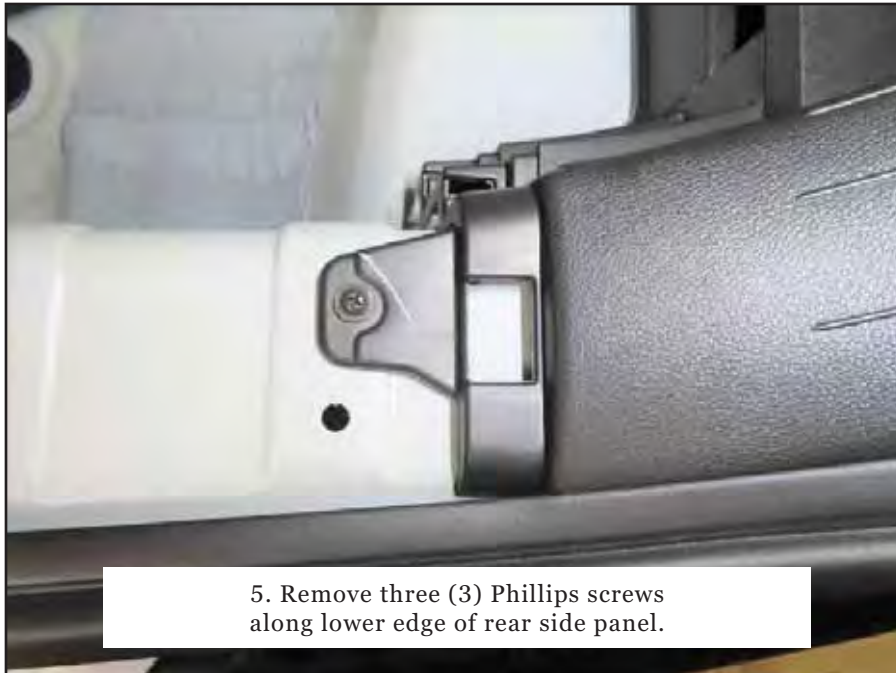






4. Remove foam tool tray and fold down rear seat backs.







6. Remove one (1) Phillips screw
inside rear seat back release handle.









9. Remove one (1) Phillips screw exposed by removal of rear door scuff plate.



10. Pry out top and side edges of rear side panel to release fifteen (15) clips, then lay panel down.







