



GROUP  
ELE

MODEL  
2022MY  
Carnival (KA4)  
w/Ventilated Seats

NUMBER  
241

DATE  
May 2021

## TECHNICAL SERVICE BULLETIN

SUBJECT: **SERVICE ACTION: PASSENGER SEAT VENTILATION  
CONTROL WIRE HARNESS INSPECTION & ADJUSTMENT (SA477)**

This bulletin provides the procedure to inspect and if necessary, re-route/adjust the location of the ventilation control wire harness of the front passenger seat on some 2022MY Carnival (KA4) vehicles equipped with ventilated seats (SX, SX-P) produced from January 4, 2021 through April 5, 2021, as there is a possibility of damage to the wire harness if it gets caught between the frame bracket and walk-in control unit when the seat is lowered and/or slides forward/rearward. To correct this concern, follow the procedure outlined in this bulletin to inspect and if necessary, relocate the wire harness. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



Ventilation Control Wire Harness under Front Passenger Seat

### \* 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 SA477.

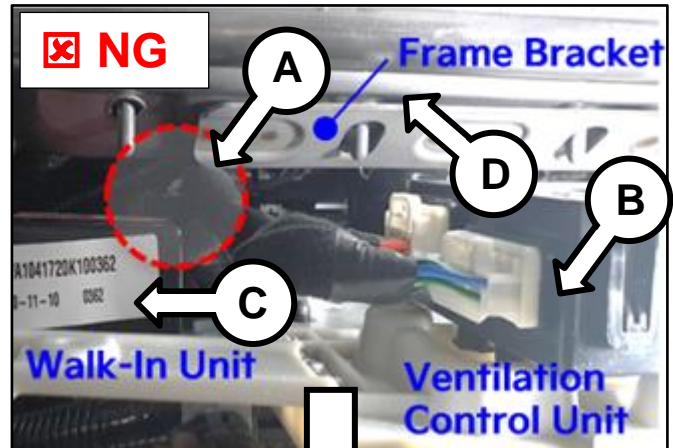
Printed TSB copy is for reference only; information may be updated at any time.  
Always refer to KGIS for the latest information.

Circulate To:  General Manager  Service Manager  Parts Manager  
 Service Advisors  Technicians  Body Shop Manager  Fleet Repair

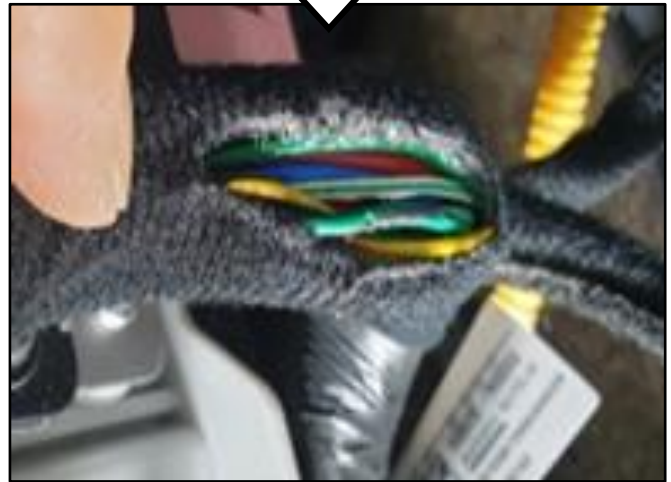
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**Inspection Procedure:**

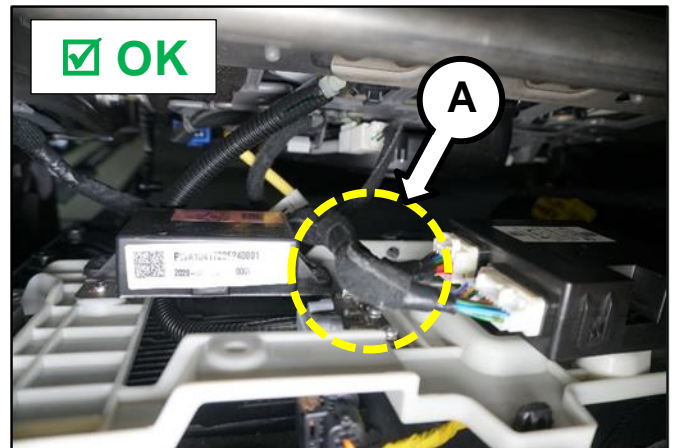
1. Inspect the location/routing of the wire harness (A) from the ventilation control unit (B).
  - If the ventilation control unit wire harness is above (NG) the walk-in control unit (C), the wiring may become jammed between the seat frame bracket (D) when the seat is moved, and re-routing/adjustment is required. Proceed to page 3.



**Note:** Sample image of a damaged wire harness shown to the right.



- If the wire harness is located beside the walk-in control unit (OK), as shown, no adjustment is needed.



SUBJECT:

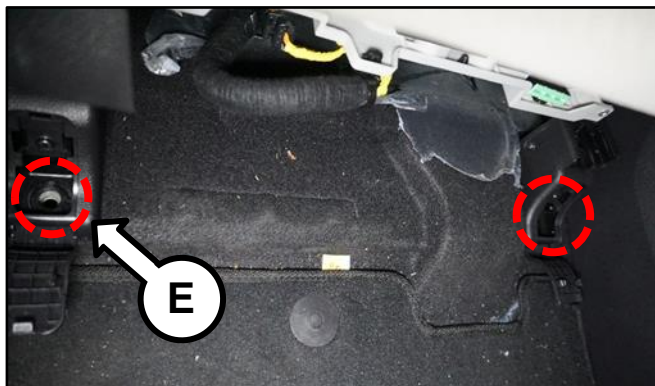
## SERVICE ACTION: PASSENGER SEAT VENTILATION CONTROL WIRE HARNESS INSPECTION & ADJUSTMENT (SA477)

### Rearrangement Procedure:

1. Disconnect the battery negative (-) terminal.
2. Remove the front two (2) seat retaining bolts (E) of the front passenger seat.

#### Torque specification:

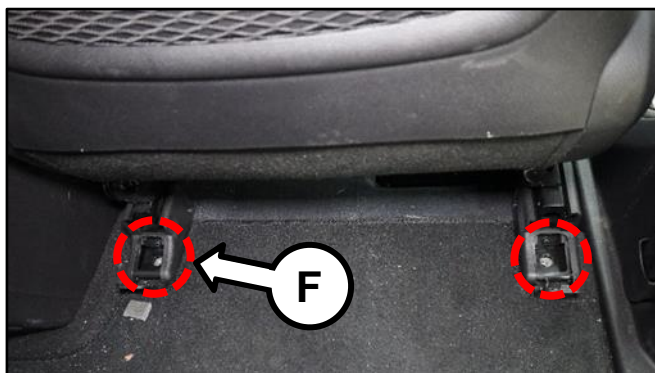
32.5 – 43.4 lb.ft (44.1 – 58.8 N.m,  
4.5 – 6.0 kgf.m)



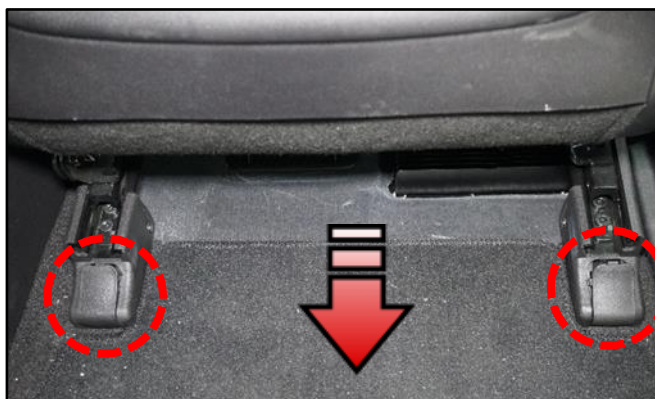
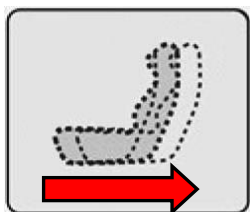
3. Remove the rear two (2) seat retaining bolts (F) of the front passenger seat.

#### Torque specification:

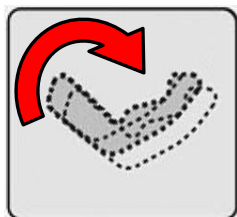
32.5 – 43.4 lb.ft (44.1 – 58.8 N.m,  
4.5 – 6.0 kgf.m)



4. Close the seat bolt covers and push the seat back toward the rear of the vehicle.



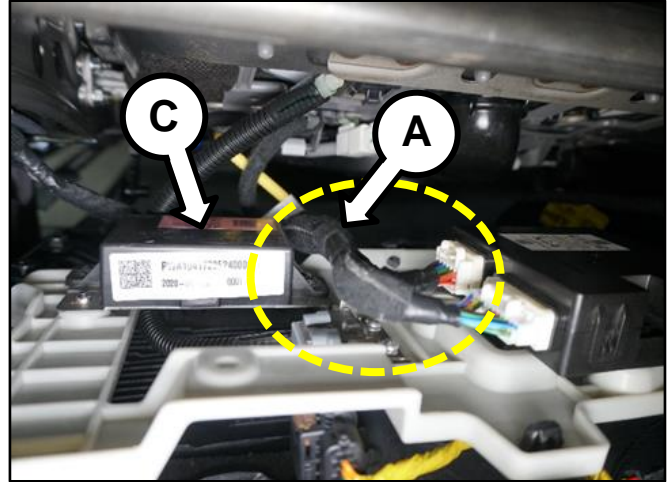
5. Lean the passenger seat back toward the rear seat to allow room to access the wire harness.



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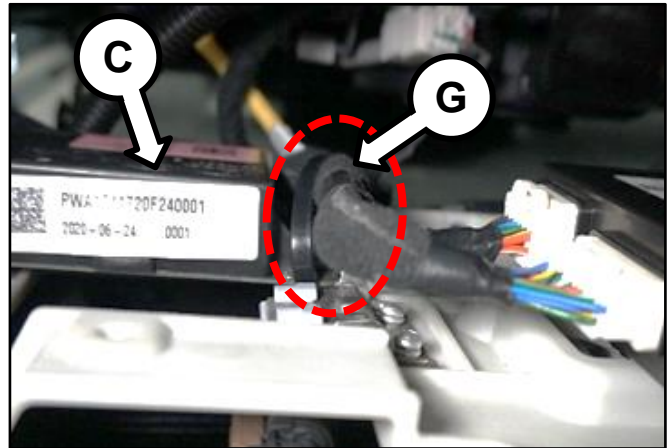
## SERVICE ACTION: PASSENGER SEAT VENTILATION CONTROL WIRE HARNESS INSPECTION & ADJUSTMENT (SA477)

6. Rearrange the ventilation control unit wire harness (A) from above the walk-in control unit (C), and re-route/adjust it to the side of the walk-in control unit, as shown.

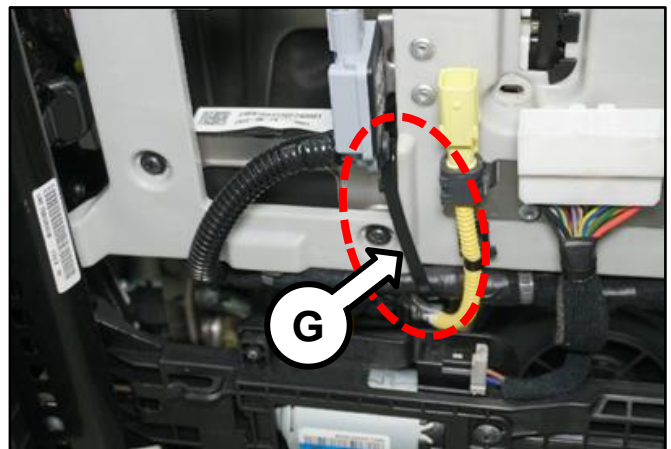


7. Using a zip tie (G), secure the wire harness as shown in the sample images.

- Top view.



- Bottom view.



8. Reassemble all removed parts in reverse order of removal and reconnect the battery.

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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Carnival (KA4)	January 4, 2021 to April 5, 2021

REQUIRED PART:

Part Name	Figure	Comment	Qty.
Zip Tie		Locally sourced*	1

\*Cost of Zip Tie may be reimbursed through Sublet.

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	91570 R0410	0	(SA477) Wire Harness Routing Inspection	210061R0	0.2 M/H	N/A	0
			(SA477) Wire Harness Routing Inspection and Adjustment	210061R1	0.3 M/H		

Use sublet code 'X1' and manually enter the expense for one (1) zip-tie for a maximum of \$0.05 cents reimbursement cost.

### \* NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA477** when accessing the WebDCS system.

