



RCA-78-23-005-1: Reroute Cowl Harness

Rivian is initiating a customer satisfaction campaign for some model year 2023 R1T and R1S vehicles that may have been built with an improperly routed cowl harness. If this harness is improperly routed, there is a potential for this harness to make contact with the windshield wiper mechanism during wiper use. If the harness contacts the windshield wiper mechanism and this condition persists over time, the vehicle may experience a rub-through of the wires in the harness. This potential rub-through condition may result in effects ranging from no function loss (if a redundant circuit is damaged) to disabled restraint, crash detection or other performance systems/modes. If there is a function loss, a fault indicator light will illuminate on the driver display alerting the driver to have service performed on their vehicle and/or the vehicle will enter into a reduced performance safe-state mode and a "Limited Performance Mode" indicator light will illuminate on the driver display. Rivian will inspect the harness and reroute, repair, or replace it if necessary to correct the condition. Rivian is launching this campaign for customer satisfaction and to ensure the quality of Rivian vehicles.

Document Type	Customer Satisfaction Campaign Bulletin
Date	August 9, 2023
Affected Region(s)	USA, Canada
Affected Model(s)	R1T, R1S
Model Year(s)	2023
Approximate Build Dates	February 2023 - March 2023
 Refer to Open Containments in ServiceOS to determine if this document applies to a specific vehicle.	
Vehicle System	78 - Low Voltage Electrical
Minimum Service Location	Service Center

Required Parts

Part Number	Quantity	Engineering Name	Service Name/Notes
SC00018578-A	1-3	CABLE TIE - M8 50MM BNDL	

 **Attention:** The parts listed in this table are only for unique steps that are called out in this bulletin. Some sections of this bulletin might refer to Service Manual procedures which require additional parts. Always review the bulletin and all potentially related Service Manual procedures before ordering parts and beginning work.

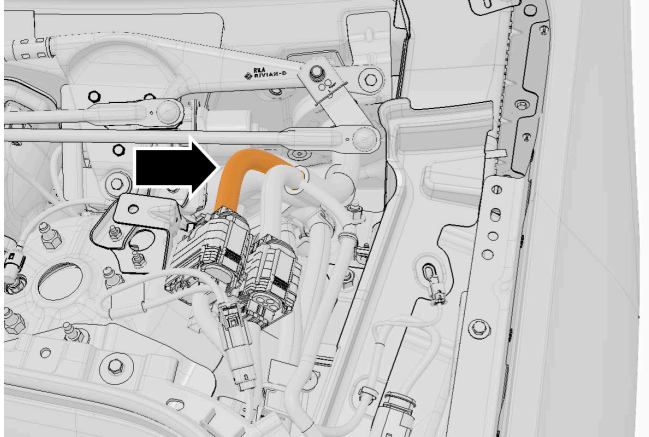
Potentially Required Parts

Part Number	Quantity	Engineering Name	Service Name/Notes
Wire Harness Friction Tape	N/A	N/A	TESA 51026 or equivalent
One of the following:			
C400444410-E	1	HARNESS- DASH- ORIGIN	Harness, Cowl; with 1 12V battery
PT00444410-F	1	HARNESS- DASH- ORIGIN	Harness, Cowl; with 1 12V battery
C200061769-G	1	HARNESS - DASH PANEL	Harness, Cowl; with 2 12V batteries

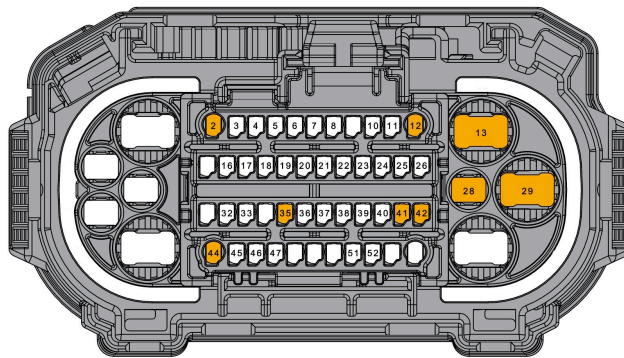
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Procedure

1. Remove: Screen, Leaf (refer to service manual procedure 647920010).
2. Inspect the wires in the highlighted area:



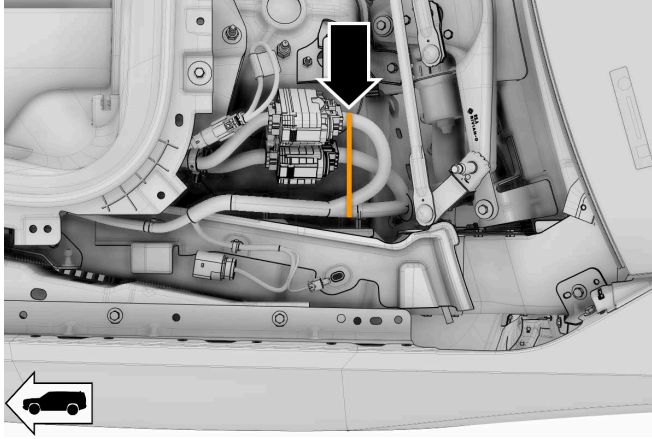
- If abrasion has damaged the wiring insulation:
 - If any of the following wires are affected: Replace: Harness, Cowl (refer to service manual procedure 787054010). Continue to the next step.



Pin	Color
2	Red/Orange
12	Red/Yellow
13	Brown
28	Black
29	Brown/Blue
35	White/Orange
41	Green/Yellow
42	Red/Yellow
44	Black

- Repair any other damaged wires. Escalate for diagnostic assistance. Continue to the next step.
- If the protective tape has abraded and exposed wiring insulation, but the wiring insulation is not damaged: Rewrap the affected area with new protective tape. Continue to the next step.
- If the wiring and tape are undamaged: Continue to the next step.

3. Install: Cable tie. Position the component(s) as shown.



Note: Shown with components removed for clarity.



Note: If necessary to fully secure the component: Install additional cable ties.

4. Reinstall all components that were removed for access and replace all non-reusable components. Refer to the service manual procedures referenced in this document for additional component reusability information and torque specifications.

Labor Codes

Labor Code	Description
RCA782300500	RCA-78-23-005 not applicable
RCA782300501	Add cable tie(s) to cowl harness
RCA782300502	Add additional protective tape and cable tie(s) to cowl harness
RCA782300503	Repair cowl harness wiring, add cable tie(s)
RCA782300504	Replace cowl harness, add cable tie(s)
<p>Contact ServiceDocumentFeedback@rivian.com regarding labor codes and document content.</p>	