

# RCA-78-22-002-1: Inadequate GPS Antenna Signal

Rivian is initiating a customer satisfaction campaign for some model year 2022 R1T vehicles. The gear guard camera wiring, contained within the spoiler assembly, may emit an electrical signal noise to the nearby high precision global navigation satellite system (GNSS) antenna which is also contained within the spoiler assembly. The signal noise may result in a loss of the highway assist feature. If the highway assist feature is engaged when this condition occurs, the driver will receive a driver takeover request with a “Highway Ending Soon” message on the driver display. If the driver is attempting to engage highway assist, the “Highway Assist Not Available” notification will appear on the driver display. Rivian will replace the existing spoiler with a spoiler that has improved wiring that will not degrade the GNSS signal. Rivian is launching this campaign for customer satisfaction and to ensure the quality of Rivian vehicles.

<b>Document Type</b>	Customer Satisfaction Campaign Bulletin
<b>Date</b>	February 22, 2022
<b>Affected Region(s)</b>	USA
<b>Affected Model(s)</b>	R1T
<b>Model Year(s)</b>	2022
<b>Approximate Build Dates</b>	September 2021 - October 2021
Refer to the FSA Dashboard to determine if this document applies to a specific vehicle.	
<b>Vehicle System</b>	78 - Low Voltage Electrical
<b>Minimum Service Location</b>	Service Center

## Required Parts

Part Number	Quantity	Engineering Name	Service Name/Notes
C400171676-A	1	ASY_ROOF_SPOILER	Spoiler, Roof
PT00183632-A	1	Glass Primer	Dupont Betaprime 5504G
One of the following:			
PT00266341-A	1	Glass Adhesive 1 Hour	Dupont Betaseal Express Plus (1 hr)
PT00183631-A	1	Glass Adhesive 30 Minutes	Dupont Betaseal Xpress 30 (30 min)

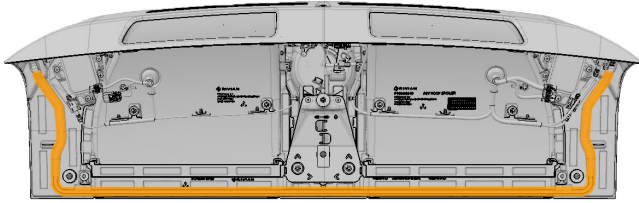
**⚠ Attention:** The parts listed in this table are only for unique steps that are called out in this bulletin. Some sections of this bulletin might refer to Service Manual procedures which require additional parts. Always review the bulletin and all potentially related Service Manual procedures before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

# Procedure

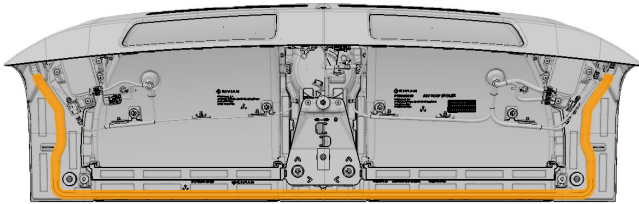
Replace: Spoiler, Roof (refer to service manual procedure 603220010).

**Important:** Follow these additional steps and notes when performing the procedure:

- Use only the primer and adhesives listed in this document.
- Check the expiration date label on the component. If the component is expired: Escalate for diagnostic assistance.
- Clean the highlighted area(s). Use alcohol wipes or rubbing alcohol on a clean cloth.



- Apply primer to the highlighted area.



**CAUTION:** Check the product packaging for the necessary drying time.

## Labor Codes

Labor Code	Description
RCA782200200	RCA-78-22-002-1 not applicable
RCA782200201	Replace roof spoiler due to inadequate GPS signal
Contact <a href="mailto:ServiceDocumentFeedback@rivian.com">ServiceDocumentFeedback@rivian.com</a> regarding labor codes and document content.	