


RCA-14-22-002-1: Improperly Routed Wheel Speed Sensor Harness

Rivian is initiating a customer satisfaction campaign for some model year 2022 R1T vehicles that may have been built with a low clearance condition between the front wheel speed sensor wire harness and the front dust shield. If the wheel speed sensor touches the front dust shield and this condition persists over time, the vehicle may experience a rub-through of the wires in the wheel speed sensor wire harness. The potential rub-through condition may cause the vehicle to enter into a reduced performance safe-state mode and a fault indicator light will illuminate on the driver display alerting the driver to have service performed on their vehicle. Rivian will inspect and, if necessary, reroute the harness or replace the wheel speed sensor 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	June 8, 2022
Affected Region(s)	USA
Affected Model(s)	R1T
Model Year(s)	2022
Approximate Build Dates	August 2021 - November 2021
 Refer to the FSA Dashboard to determine if this document applies to a specific vehicle.	
Vehicle System	14 - Brakes
Minimum Service Location	Mobile

Potentially Required Parts

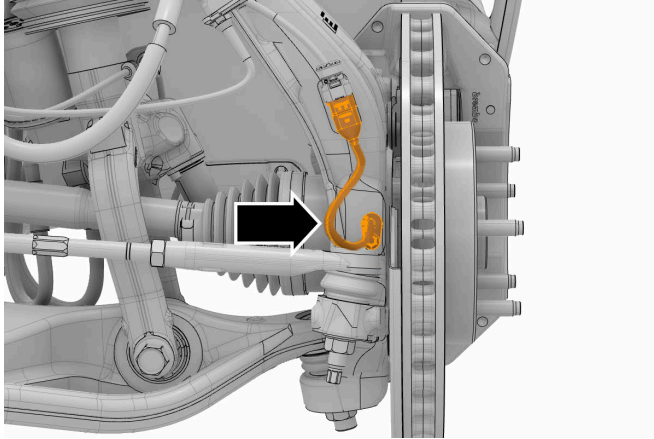
Part Number	Quantity	Engineering Name	Service Name/Notes
PT00052788-C	2	WHEEL SPEED SENSOR	Sensor, Wheel Speed



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.

Inspection

1. Raise and Support Vehicle (refer to service manual procedure 981020017).
2. LH front: Inspect the wheel speed sensor for damage. Make sure the wheel speed sensor harness is routed inward, as shown.

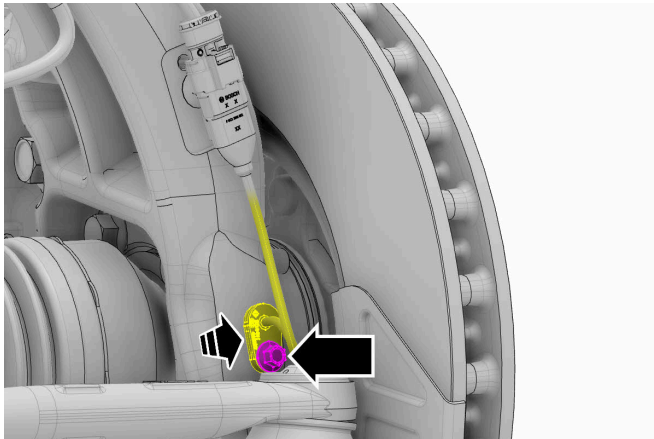


Note: Shown with components removed for clarity.

- If the wheel speed sensor is undamaged and the harness is routed inward, continue to the next step.
 - If the wheel speed sensor is damaged: Replace: Sensor, Wheel Speed, Front, LH (refer to service manual procedure 147010010).
 - If the wheel speed sensor harness is routed outward, perform the [Reroute Harness](#) procedure, then continue to step 3.
3. Repeat step 2 on the RH side.
 4. Reinstall all components that were removed for access and replace all non-reusable components.

Reroute Harness

1.



Note: Shown with components removed for clarity.

2. Install the component as described in the Installation section of Service Manual procedure 147010010.

Torque specifications in this section

Step Number	Torque (Nm)
1	8

Labor Codes

Labor Code	Description
RCA142200200	RCA-14-22-002-1 not applicable
RCA142200201	Inspect front LH and RH wheel speed sensors; no additional work required
RCA142200202	Inspect front LH and RH wheel speed sensors; reroute front LH wheel speed sensor
RCA142200203	Inspect front LH and RH wheel speed sensors; reroute front RH wheel speed sensor
RCA142200204	Inspect front LH and RH wheel speed sensors; reroute front LH and RH wheel speed sensors
RCA142200205	Inspect front LH and RH wheel speed sensors; replace LH wheel speed sensor
RCA142200206	Inspect front LH and RH wheel speed sensors; replace RH wheel speed sensor
RCA142200207	Inspect front LH and RH wheel speed sensors; replace LH and RH wheel speed sensors
RCA142200208	Inspect front LH and RH wheel speed sensors; replace LH wheel speed sensor and reroute front RH wheel speed sensor
RCA142200209	Inspect front LH and RH wheel speed sensors; replace RH wheel speed sensor and reroute front LH wheel speed sensor
Contact ServiceDocumentFeedback@rivian.com regarding labor codes and document content.	