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Case Number: S2408000104 Rev. A

Release Date: July 2025

Symptom/Vehicle Issue: Remote Keyless Entry (RKE) has Reduced Range, Remote Start Inoperative, Multiple Keyless-Go Push Attempts to Start, Key not Detected message, Tire Pressure Warning Lamp On

Technician Observation: If the owner has a complaint with any of the above conditions and or a tire sensor lamp that is flashing. The technician may find any of the following related Diagnostic Trouble Codes (DTCs) that may be set B1A76 Remote Start Antenna Connection Open with C151D-00 Tire Sensor Missing, C1501-31, C1502-31, C1503-31, C1504-31 Tire Sensor No Signals as stored or active.

Repair Procedure: Inspect the Remote Start Antenna (RSA) at the Radio Frequency Hub (RFHUB) looking for loose or damaged connection. Visually inspect the remote start antenna connection at the remote start antenna , rear headliner location. Secure connections as needed to test and or **swap** out the RSA (remote start test antenna or jumper RFHUB to RSA) with a known good antenna to confirm the operation Pg 1 and 2.

NOTE: These inspections should be performed prior to any service parts replacements. See operation characteristics below pg 3.

Disconnect Coax and inspect:

1. Check for damage at the RFHUB and/or RSA Locations.
2. Secure Reconnect Coax – Test or check operation with test lead or known good part.
3. Reset ECU
4. Verify proper operations without DTCs.

Returning concerns after testing:

1. After market equipment inspection
2. Check the Key FOB range to validate operational strength with RF tester.

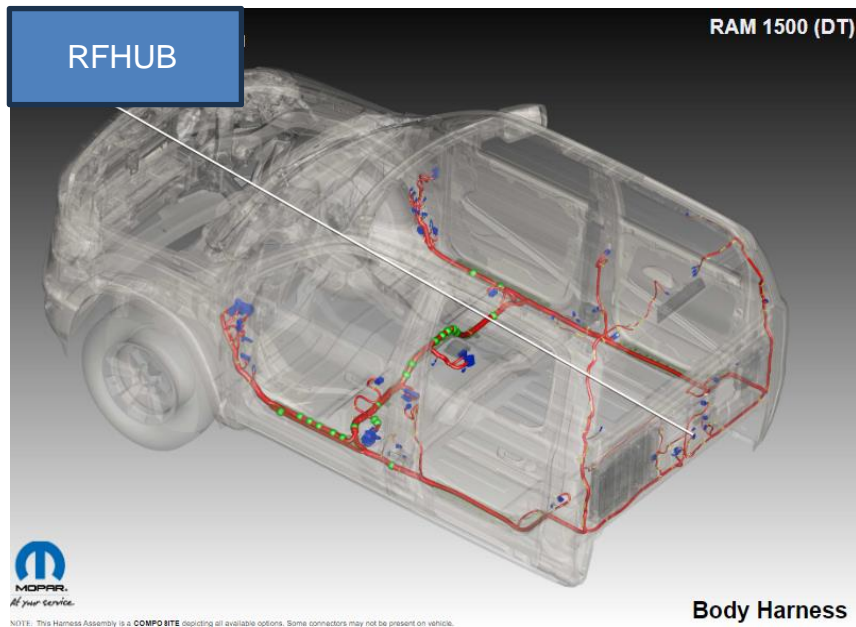
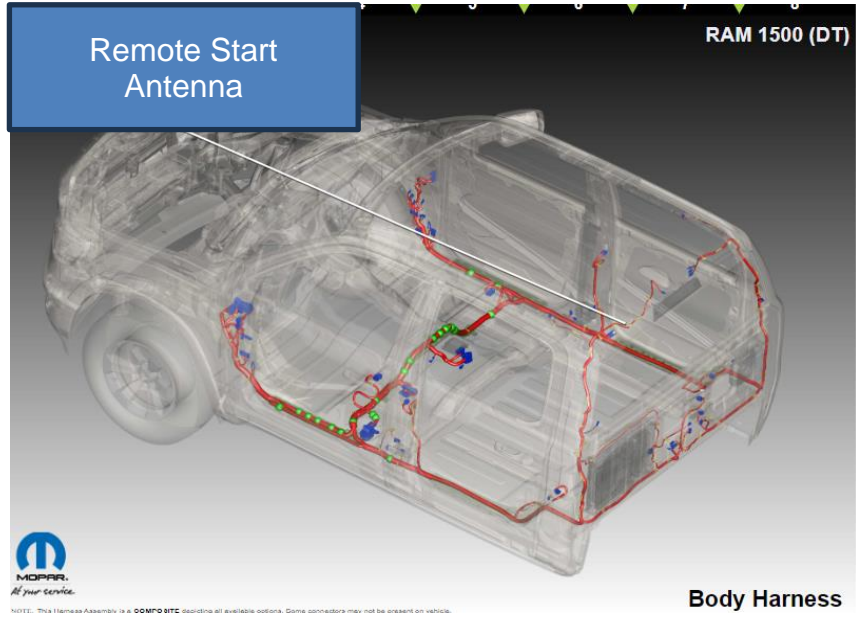
Pg 1

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechConnect, eCONTACT or Service Library entry if no solution is found.



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Pg 2

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1. When Remote Starting, the engine will only run for 15 minutes.
2. Remote Start can only be used twice.
3. The ignition must be placed in the ON/RUN position before the Remote Start sequence can be repeated for a third cycle.
4. If an engine fault is present or the fuel level is low, the vehicle will start and then shut down in 10 seconds.
5. If the vehicle battery is low or below certain threshold, the RF hub & remote start antenna may lose its functionality. (Normal operating range of RSA is 10-12V). Check for any low voltage DTCs and recharge batteries before replacing the RF hub or RSA. Review Service Library (SL): 29 - Non-DTC Diagnostics / Starting / Diagnosis and Testing to assist with diagnostics as needed.

Pg 3

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