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Case Number: S2423000038

Release Date: August 2024

Symptom/Vehicle Issue: B1053-64 RFHM (KIN COMMUNICATION) - SIGNAL PLAUSIBILITY FAILURE. Vehicle May Not Start.

Customer Complaint/Technician Observation: Customer may complain the vehicle does not start. Condition could be intermittent. Diagnostic trouble code (DTC) B1053-64- radio frequency hub (RFHM) keyless ignition node (KIN) communication – signal plausibility failure may be set.

Discussion: In addition to following published diagnostics for the B1053-64 DTC, inspect the instrument panel (IP) harness in the location shown below for wiring damage. The area to be inspected is the steering column support bracket inboard side where the KIN D2664A connected is located. See images below.

If the KIN harness is found to have damage at the IP cross car beam, the sharp edge on the beam will need to be filed down and a wiring repair will be necessary. Mopar connector kit 05183472AA is available if the wire(s) cannot be easily repaired with solder splice and heat shrink repair method. Refer to Service Library 29 - Non-DTC Diagnostics / Circuit Testing Procedures / Standard Procedure WIRE SPLICING for the approved wire repair procedure. Refer to the connector repair kits link in Star Parts for connector repair kits, wiring repair parts, tools, band splices, heat shrink, convolute tubing and connectors.

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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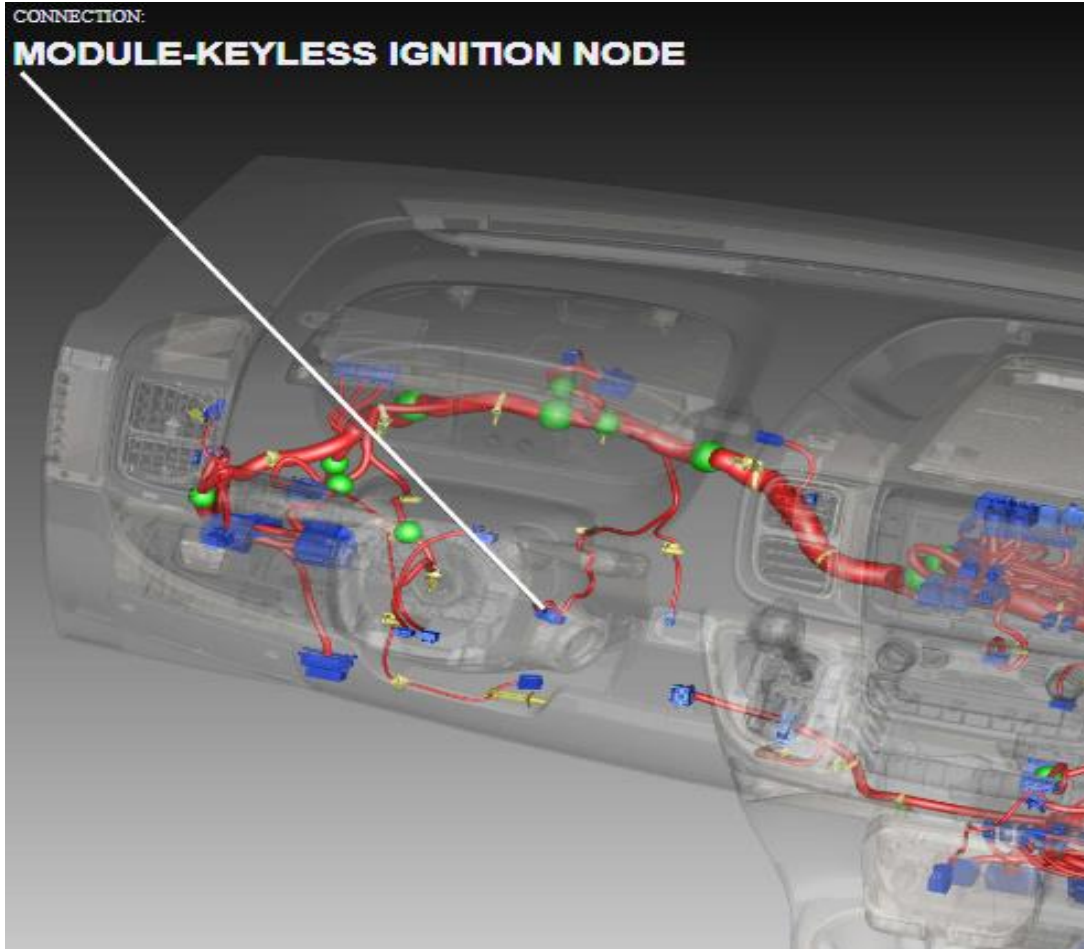


Fig 1
KIN location.

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Fig 2.
Area to inspect for wire chaffing. Note harness is not present.



Fig 3.
Chaffing of KIN harness

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