



**NUMBER:** 08-064-21

**GROUP:** 08 - Electrical

**DATE:** April 24, 2021

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**This bulletin supersedes Technical Service Bulletin (TSB) 08-084-17, date of issue August 30, 2017 and 08-060-15 date of issue June 10, 2015, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include additional model year, Symptom/Conditions and LOP.**

**SUBJECT:**

Flash: Radio Frequency Hub Module (RFHM) Enhancements

**OVERVIEW:**

This bulletin involves reprogramming the RFHM with the latest available software.

**MODELS:**

2015 - **\*\*2018\*\*** (BU) Jeep Renegade

**NOTE: This bulletin applies to vehicles within the following markets/countries: North America and EMEA.**

**SYMPTOM/CONDITION:**

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the following Diagnostic Trouble Code (DTC) has been set:

- B1053-64 RFHM (Keyless Ignition Node (KIN) Communication) - Signal Plausibility Failure (Software has been updated to better address this DTC).

In addition, the customer may notice the following condition(s):

- **\*\*Service Passive Entry Light\*\*** on cluster and MIL code B1053-64.
- Vehicle will not shut off with DTC B1053-64.
- Vehicle may not start with DTC B1053-64.**\*\***
- With the ignition in the run position and the engine not running, the vehicle may not turn itself off after 30 minutes.
- Doors may not unlock when using the Remote Keyless Entry (RKE) Fob. **(2015 only)**
- Tire pressure monitoring (TPM) light may illuminate when using the winter tires in winter mode functionality. **(2015-2016 only)**
- After an engine start and the doors are closed, a message in the cluster may be displayed "Key Not Detected" when the key is actually present. **(2015-2016 only)**

**NOTE: Only a message is displayed, the vehicle will start.**

**DIAGNOSIS:**

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

**REPAIR PROCEDURE:**

**NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the flash process.**

**NOTE: If this flash process is interrupted/aborted, the flash should be restarted.**

1. Reprogram the RFHM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
**18-19-12-9U	Module, Radio Frequency Hub (RFHM) - Reprogram (0 - Introduction)	6 - Electrical and Body System	0.2 Hrs.**

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 3 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.**

**FAILURE CODE:**

**The dealer must use failure code CC with this Service Bulletin.**

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- When utilizing this failure code the 3C's (customer's concern, cause and correction) must be provided for processing Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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