

Technical Service Bulletin (TSB)

Flash: Radio Frequency Hub Module (RFHM) Updates

REFERENCE:	TSB: 08-056-23 GROUP 08 - Electrical	Date:	February 24, 2023	REVISION:	08-065-21
VEHICLES AFFECTED:	2019 - 2021 (BV) Jeep Renegade This bulletin applies to vehicles built on and after **January 3, 2021 (MDH 0103XX) and on and before March 21, 2021 (MDH 0321XX)** equipped with Passive Entry Remote Start Package (Sales Code AJW) or Passive Entry / Keyless Go (Sales Code GX4).			MARKET APPLICABILITY: ☐ NA☒ MEA ☒ SA☒ IAP ☒ EE☐ CH	
CUSTOMER SYMPTOM:	Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Code (DTCs) have been set: **B1A7D-2F- Start Button-Signal Erratic** - B1053-64 RFHM (KIN Communication) - Signal Plausibility Failure Customers may also experience: **Vehicle can not be switched off using the keyless button.** “Service Passive Entry” light on cluster. - Vehicle will not shut off with DTC B1053-64. - Vehicle may not start with DTC B1053-64.				
CAUSE:	RFHM Software				

This bulletin supersedes Technical Service Bulletin (TSB) 08-065-21, date of issue April 24, 2021, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include converting to an RSU, New build dates, additional steps, DTC, symptom/condition and new LOP.

****This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-051, date of issue February 24, 2023. All applicable Sold and UnSold RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.****

REPAIR SUMMARY:

This bulletin involves updating the RFHM module with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
**18-19-12-AB	Module, Radio Frequency Hub - Inspect (0 – Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-19-12-AC	Module, Radio Frequency Hub - Inspect and Reprogram (0 – Introduction)	6 - Electrical and Body Systems	0.2 Hrs.**
Failure code	RF	Required Flash	
	CC	Customer Concern	

The dealer must choose which failure code to use depending on if this is a Rapid Service Update (RSU) or Technical Service Bulletin.

- The “RF” failure code is required for essential module flash/reprogramming and can only be used after confirmation that the VIN is included on the RSU.
- The failure code “RF” (Required Flash) can no longer be used on Technical Service Bulletin flashes. The “RF” failure code must be used on an RSU.
- 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.

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 a customer’s VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits the symptom/condition or DTC, perform the repair.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

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. **Is the vehicle on the RSU VIN list?
 - YES>>> Proceed to [Step 2](#).
 - NO>>> Proceed to [Step 3](#).
2. Is the vehicle unable to be switched off using the keyless button and/or are DTCs B1053-64 and/or B1A7D-2F present, stored or active?
 - YES >>> Proceed to [Step 3](#).
 - NO >>> This bulletin does not apply. Use Inspect LOP (18-19-12-AB) to close this active RSU.**
3. Reprogram the RFHM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application’ ”HELP” tab.
4. 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.

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