

Technical Service Bulletin (TSB)

Flash: Radio Frequency Hub Module (RFHM) Updates

REFERENCE:	TSB: 08-021-23 GROUP 08 - Electrical	Date:	January 24, 2023	REVISION:	–
VEHICLES AFFECTED:	2022 (WS) Grand Wagoneer/Wagoneer NOTE: This bulletin applies to vehicles equipped with Tire Pressure Monitoring Display (Sales Code XGM).			MARKET APPLICABILITY: ☒ NA ☒ SA ☒ EE ☒ MEA ☒ IAP ☐ 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: • B21DD-84 - System Voltage-Signal Below Allowable Range. • B21DD-85 - System Voltage-Signal Above Allowable Range. • C151D-00 - Tire Pressure Sensor Location Undetermined. • U1517-87 - Body Controller Secret Code-Missing Message. • B1A71-01 - Passive Entry Antenna 1-General Electrical Failure. • B1A72-01 - Passive Entry Antenna 2-General Electrical Failure. • B1A73-01 - Passive Entry Antenna 3-General Electrical Failure. • B1A74-01 - Passive Entry Antenna 4-General Electrical Failure. • B1A75-01 - Passive Entry Antenna 5-General Electrical Failure. The customer may also experience one or more of the following: • “Fob Left Vehicle” message is displayed on Instrument Panel Cluster (IPC) after a remote start. • Vehicle no-starts.				
CAUSE:	RFHM Software				

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-AA	Module, Radio Frequency Hub (RFHM) - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
Failure Code	CC	Customer Concern	

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

- If the customer’s concern matches the SYMPTOM identified in the Technical 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 Technical 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 the customer describes the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

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. 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.
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.

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.