



NUMBER: 08-085-17

GROUP: 08 - Electrical

DATE: August 30, 2017

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 08-003-16 REV. A, DATED JANUARY 22, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE UPDATED DIAGNOSTIC TROUBLE CODE (DTC), BUILD DATE, SYMPTOM/CONDITION, 2017 MODEL YEAR, MARKET INFORMATION, LOP AND NEW FAILURE CODE STATEMENT.**

FOR HELP WITH USING wiTECH FOR ECU FLASH REPROGRAMMING, CLICK ON THE APPLICATION'S "HELP" TAB.

THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:

Flash: Radio Frequency Hub Module (RFHM) Enhancement

OVERVIEW:

This bulletin involves updating the RFHM software.

MODELS:

2015 - ****2017**** (FB) FIAT 500X

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

NOTE: This bulletin applies to vehicles built on or before **June 07, 2017 (MDH 0607XX)****.**

SYMPTOM/CONDITION:

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

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

In addition, customers may experience the following conditions:

- ****With the ignition in the run position and the engine not running, the vehicle may not turn itself off after 30 minutes.****
- 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 TechCONNECT, verify all related systems are functioning as designed. If any DTCs or symptom conditions, other than the one 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.

NOTE: Flash should be performed with the key on/engine off/hazards on.

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 any 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 |
|---------------------|--|--------------------------------|------------|
| **18-19-12-9L | 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 |
|----|------------------|