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GROUP: Electrical

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 08-003-16, DATED JANUARY 13, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE A NEW LABOR OP NUMBER.**

HELP USING THE wiTECH DIAGNOSTIC APPLICATION FOR FLASHING AN ECU IS AVAILABLE BY SELECTING “HELP” THEN “HELP CONTENTS” AT THE TOP OF THE wiTECH DIAGNOSTIC APPLICATION WINDOW.

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:

2016 (FB) Fiat 500X

NOTE: This bulletin applies to vehicles within the following markets/countries: NAFTA.

NOTE: This bulletin applies to vehicles built on or before November 19, 2015 (MDH 1119XX).

SYMPTOM/CONDITION:

The customer may experience one or both of the following conditions:

- Passive entry light on with diagnostic trouble code (DTC) B1053-64 RFHM (Keyless Ignition Node (KIN) Communication) - Signal Plausibility Failure.
- Tire pressure monitoring (TPM) light may illuminate when using the winter tires in winter mode functionality.
- After an engine start and after the closure of the door, a message in the cluster is being displayed “Key Not Detected” when the key is actually present.

NOTE: Only a message is displayed and the vehicle will start. After the engine starts the message goes away.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify the RFHM system is 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.

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 "HELP" tab on the upper portion of the wiTECH window, then "HELP CONTENTS." This will open the Welcome to wiTECH Help screen where help topics can be selected.
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
18-19-12-9D	Module, Radio Frequency Hub Module (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 2 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

The dealer must choose which failure code to use. If the customer came in with an issue and the dealer found updated software to correct that issue, use failure code CC, for all other use failure code RF.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- If an available flash is completed while addressing a different customer concern, failure code RF is to be used.

CC	Customer Concern
RF	Routine Flash