



**NUMBER:** 08-013-16

**GROUP:** Electrical

**DATE:** February 04, 2016

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**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 08-085-15 REV. A, DATED DECEMBER 12, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE VEHICLE OPTION ATTRIBUTE UPDATE.**

**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: Instrument Panel Cluster (IPC) Enhancement

***OVERVIEW:***

This bulletin involves reprogramming the Instrument Panel Cluster (IPC) with the latest available software.

***MODELS:***

2016 (FB) Fiat 500X

**NOTE: This bulletin applies to vehicles within the following market: NAFTA.**

**NOTE: This bulletin applies to vehicles built on or before October 24, 2015 (MDH 1024XX) equipped with a 2.4L Engine (Sales Code ED6) and 9-Speed 948TE Auto Transmission (Sales Code DFH) **\*\*without Passive Entry/Keyless Go\*\*** (Sales Code GXD).**

***SYMPTOM/CONDITION:***

The customer may notice that the IPC brightness level may not adjust correctly to correspond with the outside light levels.

The following enhancements are included in the software update:

- With this software update there is a new message added to the IPC. The message appears when the lever is in “P” position and the brake pedal is pressed.
- Enhancement was made to properly calculate and display when the next service maintenance is needed.

**DIAGNOSIS:**

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all systems are functioning as designed. If Diagnostic Trouble Codes (DTCs) or symptom conditions, are present other than the symptom condition listed above, 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, 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 IPC with the latest available 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. Use wiTECH to perform a Restore Configuration and Proxi Alignment. This routine is available under the 'Diagnostic Procedures' tab found on the home, "Vehicle View", page of wiTECH.
3. 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
18-19-47-J9	Instrument Panel Cluster (IPC) - Reprogram With Sales Code JA2. (1 - Semi-Skilled)	06 - Electrical and Body Systems	0.5 Hrs.
18-19-47-K9	Instrument Panel Cluster (IPC) - Reprogram With Sales Code JAY. (1 - Semi-Skilled)	06 - Electrical and Body Systems	0.2 Hrs.

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 20 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