SERVICE BULLETIN

NUMBER: 08-086-16

GROUP: Electrical

DATE: November 16, 2016

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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: Engine Does Not Start at The First Attempt

OVERVIEW:
This bulletin involves upgrading the software in the Electronic Steering Lock (ESL) Module.

MODELS:

2015 - 2016	(BU)	Jeep Renegade
2016	(FB)	Fiat 500X

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

NOTE: This bulletin applies to BU vehicles built on or before May 02, 2016 (MDH 0502XX).

NOTE: This bulletin applies to FB vehicles built on or before June 15, 2016 (MDH 0615XX).

SYMPTOM/CONDITION:
The customer may experience malfunction on first attempt to start the vehicle. Initial cranking is inhibited but should start/crank on the second attempt. Upon further inspection the technician may find Diagnostic Trouble Code (DTC) B1000-01 - Electronic Control Unit - General Electrical Failure stored in the ESL Module.

DIAGNOSIS:
Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related system are functioning as designed. If DTCs are present, other than the one stated above, record them 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.

1. Reprogram the ESL 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. Turn off the ignition, disconnect the wiTECH, open and close the driver's door and let all modules go to sleep.
3. Reconnect the wiTECH and clear any DTCs that may have been set in other modules due to reprogramming.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-16-91	Modules, Electronic Steering Lock (ESL) - Reprogram ESL (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 5 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 if the dealer finds a software update 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