



**NUMBER:** 08-041-16

**GROUP:** Electrical

**DATE:** April 13, 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: ABS Module Electronic Parking Brake Enhancements

***OVERVIEW:***

This bulletin involves updating the Anti-lock Brake System (ABS) module software, Electronic Shift Module (ESM) and restore vehicle configuration.

***MODELS:***

2016 (B1) Jeep Renegade

**NOTE: This bulletin applies to vehicles within the following markets/countries: LATAM (Brazil only).**

**NOTE: This bulletin applies to vehicles built on or before March 06, 2016 (MDH 0306XX) equipped with 1.8L I4 E-Torque Engine (Sales Code EBD) or 2.0L I4 Turbo Diesel Engine (Sales Code EBT).**

***SYMPTOM/CONDITION:***

The customer may describe one or more of the following:

- The transponder ignition key is difficult to remove from the ignition cylinder.
- The Electronic Parking Brake (EPB) does not engage with the “Auto Apply” feature selected; (Automatic Transmission only).

**NOTE: The Parking Brake will apply when the switch is manually activated.**

***DIAGNOSIS:***

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If Diagnostic Trouble Codes (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, 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 ABS module 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. Reprogram the ESM module with the latest available software.
3. Perform the Restore Vehicle Configuration.
4. 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.

**NOTE: Upon completion of this ABS flash reprogramming session, an additional 10 second key cycle (off to on) may be required to mature an active DTCM (Drive Train Control Module) DTC to be stored, allowing DTC to be cleared.**

***POLICY:***

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

<b>Labor Operation No:</b>	<b>Description</b>	<b>Skill Category</b>	<b>Amount</b>
18-19-10-9D	Module, Anti-lock Brake System (ABS) and Electronic Shift Module (ESM) - Reprogram (0 - Introduction)	4 - Chassis	0.3 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