THIS BULLETIN SUPERSEDES SERVICE BULLETIN 05-001-16 REV. D, DATED DECEMBER 10, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS AND INCLUDE 2017 MODEL YEAR.**

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: Anti-Lock Brake System (ABS) Module Enhancements

OVERVIEW:
This bulletin involves reprogramming the ABS module with the latest available software.

MODELS:

2015 - **2017**	(BU)	Jeep Renegade
2016 - **2017**	(FB)	FIAT 500X

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

NOTE: This bulletin applies to vehicles built on or before December 12, 2016 (MDH 1212XX).

SYMPTOM/CONDITION:

The customer may describe one or more of the following:

- The traction control light comes on when making tight turns on vehicles equipped with All Wheel Drive (AWD).
- The Electronic Parking Brake (EPB) does not disengage when accelerating while the "Auto Apply" feature is selected.
- The key may get stuck in the ignition lock cylinder.
- The EPB does not engage with the "Auto Apply" feature selected.

NOTE: The EPB will apply when the switch is manually activated.

DIAGNOSIS:
Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If Diagnostic Trouble Codes (DTCs) or symptom conditions, other than the ones listed 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, 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 application's "HELP" tab.
2. 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 ten second key cycle (off to on) may be required to change an active Drive Train Control Module (DTCM) DTC to stored, allowing the DTC to be cleared.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-10-9H	Module, Anti-lock Brake System (ABS) - Reprogram (0 - Introduction)	4 - Chassis 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 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