SERVICE BULLETIN

NUMBER: 21-048-15 REV. A

GROUP: Transmission and Transfer Case

DATE: October 08, 2015

THIS BULLETIN SUPERSEDES SERVICE BULLETIN 21-048-15, DATED AUGUST 10, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS** AND INCLUDES A REVISED SCAN TOOL USAGE STATEMENT, AN ADDITIONAL MODEL, INVOLVED MARKETS, AND REVISED BUILT DATES.

HELP USING THE wiTECH DIAGNOSTIC APPLICATION FOR FLASHING A 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: Drivetrain Control Module C2020-01 ECU Internal Fault setting in the DTCM

OVERVIEW:
This bulletin involves reprogramming the Drivetrain Control Module (DTCM) with the latest available software.

MODELS:

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

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

NOTE: This bulletin applies to BU vehicles **built on or before July 11, 2015 (MDH 0711XX)** equipped with All Wheel Drive (Sales Code DFH).

NOTE: This bulletin applies to FB vehicles **built on or before June 28, 2015 (MDH 0628XX)** equipped with All Wheel Drive (Sales Code DFH).

SYMPTOM/CONDITION:
Some vehicles may experience the All Wheel Drive Light (AWD) illuminating due to DTC C2020-01 ECU Internal Fault setting erroneously in the DTCM.

DIAGNOSIS:
Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all systems are functioning as designed. If 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 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 DTCM 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. Using wiTECH, restore configuration and align proxi. 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 allows them to be cleared.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-07-9H	Module, Drivetrain Control (DTCM) - Reprogram (0 - Introduction)	21 - Transmission and Transfer Case	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 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