



NUMBER: 21-033-17 REV. A

GROUP: 21 - Transmission and Transfer Case

DATE: September 22, 2017

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 21-033-17, DATED SEPTEMBER 21, 2017, WHICH SHOULD BE REMOVED FROM YOUR FILES. NO ASTERISKS HAVE BEEN USED TO HIGHLIGHT REVISIONS. INCLUDES REMOVAL OF SOFTWARE ENHANCEMENTS FROM SYMPTOM/CONDITION.

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: Transmission Diagnostic and Shift Enhancements

OVERVIEW:

This bulletin involves reprogramming the Transmission Control Module (TCM) with the latest available software.

MODELS:

2017 (FB) FIAT 500X

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

NOTE: This bulletin applies to vehicles built on or after September 07, 2017 (MDH 0907XX) and on or before September 19, 2017 (MDH 0919XX) equipped with a 2.4L I4 Multiair Engine (Sales Code ED6) and a 9-SPD 948TE Auto Trans (Sales Code DFH).

SYMPTOM/CONDITION:

Customers may experience a (MIL) illumination. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Codes (DTCs):

- P0887-00 - TCM Power Control Circuit High.
- P0901 - Clutch Actuator Circuit Range/Performance.
- U0001-00 - Can C Bus.
- U1412 - Implausible Vehicle Speed Signal Received.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If 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 or if the technician finds the DTC, perform the Repair Procedure.

REPAIR PROCEDURE:

NOTE: The Powertrain Control Module (PCM) must be updated to the latest available software at the conclusion of this repair procedure. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the PCM software.

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 TCM 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.

NOTE: The TCM and PCM must be updated at the same time to the latest available software.

2. Clear any DTCs that may have been set in other modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.
3. Verify the Powertrain Control Module (PCM) is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the PCM software.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-05-FX	Module, Transmission Control (TCM) - Reprogram (0 - Introduction)	2 - Automatic Transmission	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 use failure code CC with this Service Bulletin.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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