



NUMBER: 21-016-15 REV. B

GROUP: Transmission and Transfer Case

DATE: October 06, 2015

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.

THIS BULLETIN SUPERSEDES SERVICE BULLETIN 21-016-15 REV. A, DATED MAY 22, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDES REMOVAL OF THE BUILT ON OR BEFORE DATE, ADDITIONAL DTC's, ADDITIONAL REPAIR PROCEDURE STEPS AND LOP.**

THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 15-055. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN's HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.

HELP USING THE wiTECH DIAGNOSTIC APPLICATION FOR FLASHING AN 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: Transmission Shift And Drivability Enhancements

OVERVIEW:

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

MODELS:

2015 (KL) Jeep Cherokee (International Only)

NOTE: **This bulletin applies to KL vehicles equipped with a 2.0L diesel engine (Sales Code EBT) and a 948TE automatic transmission (Sales Code DFJ or DFH).**

SYMPTOM/CONDITION:

A small number of customers may experience a "Stop/Start Ready" message in the Instrument Panel Cluster (IPC) when the vehicle did not perform an auto stop event. This message typically occurs while the vehicle is being driven in Snow Mode.

In addition, a small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation, a technician may find one or more of the following Diagnostic Trouble Codes (DTCs) stored in the TCM memory.

- **P0887 - TCM Power Control Circuit High
- P1634 - TCM Internal Watchdog Performance**
- P061B - Internal Control Module Torque Calculation Performance.
- U0401 - Implausible Data Received From The ECM/PCM.
- P1DAD - Input Shaft/Output Shaft Direction Correlation.
- P1DAF - Incompatible Limp In Action Requested (set in conjunction with U1424 - Implausible Engine Torque Signal Received).

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all vehicle 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 or if the technician finds any of the DTCs 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 TCM 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, Perform the TCM "VIN Verification" routine Located in the TCM "Misc Functions" menu and follow the on-screen prompts.
3. Using wiTECH, perform a "PROXI Configuration Alignment" routine located in the "Vehicle Preparations" tab on the main vehicle view screen.
4. Turn the ignition off and disconnect wiTECH for 1 minute. Open and close the driver's door and let all modules go to sleep.
5. Turn the ignition back on and reconnect wiTECH.
6. From the vehicle view screen, select "PROXI Configuration Alignment" routine again in the "Vehicle Preparations" tab and verify all modules are properly aligned.
7. 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: DO NOT CLEAR THE SHIFT ADAPTIVES IN THE TCM'S MEMORY. THIS ACTION MAY CAUSE THE TRANSMISSION TO NOT SHIFT SMOOTHLY UNTIL THE ADAPTIVES ARE RE-LEARNED.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-05-C6	Module, Transmission Control (TCM) - Reprogram (0 - Introduction)	2 - Automatic Transmission	0.3 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately ****4**** 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, than 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