



**NUMBER:** 21-016-15

**GROUP:** Transmission and Transfer Case

**DATE:** March 14, 2015

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**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 LEVEL MUST BE AT 15.03 OR HIGHER TO PERFORM 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 vehicles built on or before February 3, 2015 (MDH 0203XX) 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.

- 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. Clear any 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 the tech to clear them.

**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-AE         | Module, Transmission Control (TCM) - Reprogram<br>(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:**

|    |              |
|----|--------------|
| FM | Flash Module |
|----|--------------|