



**NUMBER:** 21-014-15

**GROUP:** Transmission and Transfer Case

**DATE:** March 04, 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 15.02 OR HIGHER TO PERFORM THIS PROCEDURE.**

***SUBJECT:***

Flash: 8HP70 Transmission Shift Quality And Drivability Enhancements

***OVERVIEW:***

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

***MODELS:***

2015 (DS) Ram 1500 Pickup

**NOTE: This bulletin applies to vehicles built on or before March 3, 2015 (MDH 0303XX) equipped with a 3.0L diesel engine (sales code EXF) and an 8HP70 automatic transmission (sales code DFD).**

***SYMPTOM/CONDITION:***

A small number of customers may experience one or more of the following conditions.

- Bump sensation during tip-in acceleration between 5-10 mph (8-16 kph).
- Less than desired transmission performance during Torque Converter Clutch (TCC) lockup.
- Less than desired transmission performance in Tow/Haul mode.
- Less than desired transmission performance during coast down deceleration at higher altitudes.
- Bump sensation during 6-5 downshift.
- Bump sensation during 1-2 upshift.

**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 listed above, perform the Repair Procedure.

**REPAIR PROCEDURE:**

**NOTE: The Powertrain Control Module (PCM) software must also be at the latest available software level upon completion of this repair. Refer to all applicable published service bulletins regarding Powertrain Diagnostic And System Enhancements for detailed repair procedures and labor times.**

**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 other modules 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 TRANSMISSION SHIFT ADAPTIVES FROM THE TCM'S MEMORY. THIS ACTION MAY CAUSE THE TRANSMISSION TO NOT SHIFT SMOOTHLY UNTIL THE ADAPTIVES ARE RE-LEARNED.**

3. Verify the PCM software is programmed with the latest available software level. Refer to all applicable published service bulletins regarding Powertrain Diagnostic And System Enhancements for detailed repair procedures and labor times.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

<b>Labor Operation No:</b>	<b>Description</b>	<b>Skill Category</b>	<b>Amount</b>
18-19-05-B2	Module, Transmission Control (TCM) - Reprogram (0 - Introduction)	8 - Engine Performance	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:**

FM	Flash Module
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