



**NUMBER:** 21-016-14

**GROUP:** Transmission and Transfer Case

**DATE:** April 30, 2014

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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 RELEASE 14.03 OR HIGHER TO PERFORM THIS PROCEDURE.**

**SUBJECT:**

Flash: Transmission Shift Enhancements

**OVERVIEW:**

This bulletin involves flash reprogramming of the Transmission Control Module (TCM) with new software.

**MODELS:**

2014                      DS                                      Ram 1500

**NOTE: This bulletin applies to vehicles built before January 27, 2014 (MDH 0127XX) equipped with a 3.6L engine (Sales Codes ERB) equipped with the 845RE 8-Speed automatic transmission (Sales Code DFL).**

**SYMPTOM/CONDITION:**

The customer may indicate that they may have experienced any of the following:

- 4x4 Low Mode shift quality during a medium to heavy throttle
- MIL Illumination for DTC P215C - OUTPUT SHAFT SPEED WHEEL SPEED CORRELATION

In addition, calibration changes have been made in the following areas to improve:

- Powertrain braking while in Tow/Haul mode
- Downshift response from a medium to heavy pedal
- Drivability at high altitude
- Acceleration performance during cruise control operation

This calibration release also corrects a condition where DTC U11C3 may have been displayed when DTC U11E3 should have been displayed resulting in a possible misdiagnosis.

**DIAGNOSIS:**

If the customer describes the symptom, 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. Using the wiTECH, reprogram the TCM with the latest software. 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.
2. Clear any DTC's 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 adaptation memory cells in the TCM's memory. This action may cause the transmission to not shift smoothly until the adaptation memory cells are re-learned.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

| Labor Operation No: | Description                                                       | Skill Category            | Amount   |
|---------------------|-------------------------------------------------------------------|---------------------------|----------|
| 18-19-05-9W         | Module, Transmission Control (TCM) - Reflash - (1 - Semi-Skilled) | 2- Automatic Transmission | 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 effected by vehicle connection and network capabilities.

**FAILURE CODE:**

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