



**NUMBER:** 21-023-15 REV. B

**GROUP:** Transmission and Transfer Case

**DATE:** August 21, 2015

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**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 21-023-15 REV. A, DATED JULY 25, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE UPDATED SYMPTOM CONDITIONS AND LABOR OPS.**

**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 of the Transmission Control Module (TCM) with the latest available software.

***MODELS:***

|      |      |               |
|------|------|---------------|
| 2015 | (LD) | Dodge Charger |
| 2015 | (LX) | Chrysler 300  |

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

**NOTE: This bulletin applies to the following vehicles:**

- **\*\*LD vehicles built on or after March 09, 2015 (MDH 0309XX) and on or before June 26, 2015 (MDH 0626XX) equipped with a 3.6L Engine (Sales Code ERB) and an Automatic Transmission 845RE (Sales Code DFL).\*\***
- **\*\*LX vehicles built on or after March 09, 2015 (MDH 0309XX) and on or before June 26, 2015 (MDH 0626XX) equipped with a 3.6L Engine (Sales Code ERB) and an Automatic Transmission 845RE (Sales Code DFL).\*\***
- **\*\*LX vehicles built on or before June 26, 2015 (MDH 0626XX) equipped with a 3.0L Engine (Sales Code EHD) and an Automatic Transmission 845RE (Sales Code DFL).\*\***
- **LD vehicles built on or before June 27, 2015 (MDH 0627XX) equipped with the 3.6L Engine (Sales Code ERB) and a 8HP45 8 Speed Automatic Transmission (Sales Code DFG).**

***SYMPTOM/CONDITION:***

A small number of customers may experience an erroneous Malfunction Indicator Lamp (MIL) Illumination. Upon further investigation, the technician may find a Diagnostic Trouble Code (DTC) stored in the TCM memory.

**\*\*3.6L Engine (Sales Code ERB) with 845RE Transmission (Sales Code DFL)\*\***

- **\*\*P1DCD - TCM monitoring processor performance multiple clutches locked up.\*\***
- **\*\*P1B13 - Park-By-Wire unintended out of park position.\*\***
- **P0734 - Gear 4 Shift Incorrect Ratio.**

**\*\*3.0L Engine (Sales Code EHD) with 845RE Transmission (Sales Code DFL)\*\***

- **\*\*P1DCD - TCM monitoring processor performance multiple clutches locked up.\*\***
- **\*\*P1B13 - Park-By-Wire unintended out of park position.\*\***

**3.6L Engine (Sales Code ERB) with 845RE Transmission (Sales Code DFG)**

- Harsh 2-1 downshift or bump at low speeds.
- P0734 - Gear 4 Shift Incorrect Ratio.

***DIAGNOSIS:***

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine 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: 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 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-BW**     | Module, Transmission Control (TCM) - Reprogram (1 - Semi-Skilled) | 21- Automatic Transmission | 0.2 Hrs |

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 1 minute. 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    |