



NUMBER: 21-041-17

GROUP: 21 - Transmission and Transfer Case

DATE: September 12, 2017

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 21-019-16, DATED JUNE 17, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE ADDITIONAL SYMPTOM/CONDITION FOR LD AND LA VEHICLES WITH 3.6L ENGINE, NEW LOP AND UPDATED FAILURE CODE STATEMENT.**

FOR HELP WITH USING wiTECH FOR ECU FLASH REPROGRAMMING, CLICK ON THE APPLICATION'S "HELP" TAB.

THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:

Flash: Transmission Diagnostic and Shift Enhancements

OVERVIEW:

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

MODELS:

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

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

NOTE: This bulletin applies to vehicles equipped with 3.6L V6 24V VVT Engine (Sales Code ERB) equipped with 8-SPD Auto 845RE Trans (Sales Code DFL) or equipped with 8-SPD Auto 8HP45 Trans (Sales Code DFG).

NOTE: This bulletin applies to LX vehicles equipped with 3.0L V6 24V VVT Engine (Sales Code EHD) equipped with 8-SPD Auto 845RE Trans (Sales Code DFL).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation, a technician may find the following Diagnostic Trouble Codes (DTCs) have been set. This software update will also address some symptom/conditions listed below:

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

- ****During a Flash Over The Air (FOTA) radio update, the transmission shift points will default to higher shift points. The transmission will shift at high engine Revolutions Per Minute (RPM) and 7th and 8th gears may be blocked (LA and LD).****
- Improved shift quality.
- P1DCD - TCM Monitoring Processor Performance Multiple Clutches Locked Up.
- P1B13 - Park-By-Wire Unintended Out Of Park Position.
- P0734 - Gear 4 Shift Incorrect Ratio.

3.6L Engine (Sales Code ERB) with 8HP45 Transmission (Sales Code DFG):

- ****During a FOTA radio update, the transmission shift points will default to higher shift points. The transmission will shift at high engine RPM and 7th and 8th gears may be blocked (LA and LD).****
- Improved shift quality.
- Harsh 2-1 Downshift Or Bump At Low Speeds.
- P0734 - Gear 4 Shift Incorrect Ratio.

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

- Improved shift quality.
- P1DCD - TCM Monitoring Processor Performance Multiple Clutches Locked Up.
- P1B13 - Park-By-Wire Unintended Out Of Park Position.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related 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 software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
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-GM | Module, Transmission Control (TCM) - Reprogram (0 - Introduction) | 21- 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 affected by vehicle connection and network capabilities.

FAILURE CODE:

****The dealer must use failure code CC with this Service Bulletin.**

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- When utilizing this failure code the 3C's (customer's concern, cause and correction) must be provided for processing Service Bulletin flash/reprogramming conditions.**

| | |
|----|------------------|
| CC | Customer Concern |
|----|------------------|