



**NUMBER:** 18-086-15 REV. A

**GROUP:** Vehicle Performance

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**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-086-15, DATED NOVEMBER 17, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE REVISED BUILD DATES, ADDITIONAL SYMPTOM/CONDITION FOR VF MODELS, REMOVED GENERIC SCAN TOOL UPDATE FOR MODE 6, AND NEW LOPS.**

**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: Powertrain System Improvements/Enhancements

**OVERVIEW:**

This bulletin involves selectively erasing and reprogramming the Powertrain Control Module (PCM) with new software.

**MODELS:**

|             |      |                  |
|-------------|------|------------------|
| 2013 - 2014 | (LX) | Chrysler 300     |
| 2013 - 2014 | (LD) | Dodge Charger    |
| 2014        | (LC) | Dodge Challenger |
| 2014        | (VF) | Ram ProMaster    |

**NOTE: **\*\*This bulletin applies to 2014 VF vehicles equipped with a 3.6L engine (sales code ERB).**\*\***

**NOTE: This bulletin applies to LC/LD/LX vehicles equipped with a 3.6L engine (sales code ERB).**

**NOTE: This bulletin applies to 2014 LX vehicles equipped with a 3.0L engine (sales code EHD).**

***SYMPTOM/CONDITION:***

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination or a less than desired powertrain response when operating their vehicles in high ambient temperatures. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Code (DTCs) in the PCM:

- U0140 - Lost Communication With Body Control Module (BCM) (\*\*VF\*\*, LD, LX Vehicles only).
- P0606 - Internal Control Processor.

***DIAGNOSIS:***

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If DTCs are present record them on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes a symptom/condition listed above or if the technician finds a 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 PCM with the latest software. Help using the wiTECH Diagnostic Application for flashing control modules is available through the wiTECH Diagnostic Application. For instructions select the "HELP" tab on 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. After PCM reprogramming, 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 them to be cleared.

**NOTE: On LD vehicles only with a 2.65 rear axle (sales code DLC), and equipped with Police Group equipment package (sales code AHB), the Transmission Control Module (TCM) software must be up to date prior to performing the "TCM Initialize EGS" procedure.**

1. Verify the TCM is up to date. Refer to all applicable published service bulletins regarding Transmission Shift Enhancements for detailed repair procedures and labor times.
2. Using wiTECH, perform the "TCM Initialize EGS" procedure located in the TCM "Misc Functions" menu.

***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> |
|----------------------------|-------------------------------------------------------------------------------------|------------------------|---------------|
| 18-19-06-FS                | Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled)                     | 8 - Engine Performance | 0.2 Hrs.      |
| 18-19-06-FT                | Module, Powertrain Control (PCM) - Police Group Only - Reprogram (1 - Semi-Skilled) | 8 - Engine Performance | 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:**

The dealer must choose which failure code to use. If the customer came in with an issue and if the dealer finds a software update 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, 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    |