



**NUMBER:** 18-077-14

**GROUP:** Vehicle Performance

**DATE:** December 20, 2014

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**THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 18-035-13, DATED AUGUST 15, 2013, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE MORE SYSTEM IMPROVEMENTS.**

**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: 3.6L Diagnostic And System Improvements

**OVERVIEW:**

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

**MODELS:**

2013 (DS) Ram 1500 Pickup

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

**SYMPTOM/CONDITION:**

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find one of the following Diagnostic Trouble Code has been set:

- P0607 - ECU Internal Performance
- **\*\*P2096 - Downstream Fuel Trim System 1 Lean.**
- P2097 - Downstream Fuel Trim System 1 Rich.
- P2098 - Downstream Fuel Trim System 2 Lean.
- P2099 - Downstream Fuel Trim System 2 Rich.
- Scan tool improved accuracy on mode 6, cylinder imbalance.**\*\***

**DIAGNOSIS:**

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in

TechCONNECT, verify all engine systems are functioning as designed. If DTCs other than the ones listed above are present record them on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition 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 PCM 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.

**NOTE: After PCM reprogramming, the following must be performed.**

2. Clear any 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 the tech to clear them.

#### **POLICY:**

Reimbursable within the provisions of the warranty.

#### **TIME ALLOWANCE:**

| Labor Operation No: | Description                                                        | Skill Category         | Amount   |
|---------------------|--------------------------------------------------------------------|------------------------|----------|
| **18-19-06-BD**     | Module, Powertrain Control (PCM) - Reprogram<br>(0 - Introduction) | 8 - Engine Performance | 0.2 Hrs. |

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 5 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.**

#### **FAILURE CODE:**

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