



**NUMBER:** 18-033-15

**GROUP:** Vehicle Performance

**DATE:** April 16, 2015

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**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-017-14, DATED MARCH 27, 2014, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDES ADDITIONAL SYMPTOM ENHANCEMENTS AND NEW LABOR OPS.**

**THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 14-026. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN'S HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.**

**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 **\*\*15.04\*\*** OR HIGHER TO PERFORM THIS PROCEDURE.**

***SUBJECT:***

Flash: 1.4L Powertrain Diagnostic And System Improvements

***OVERVIEW:***

This bulletin involves reprogramming the Powertrain Control Module (PCM) with the latest available software.

***MODELS:***

2014                      (BF)                      500L

**NOTE: This bulletin applies to vehicles equipped with a 1.4L engine (sales code EAM).**

**SYMPTOM/CONDITION:**

A small number of customers may experience long crank times on engine start up. In addition, the customer may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following Diagnostic Trouble Codes (DTC) have stored in the PCM:

- **\*\*P1524 - Oil Pressure out of range - Camshaft advance/retard disabled\*\*.**
- **P113D - O2 Sensor 1/1 Slow Response**

**DIAGNOSIS:**

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

If a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe the symptom/condition, 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.**

**NOTE: If the PCM already has the latest software, use inspection LOP **\*\*18-19-06-CJ\*\*** to close the RRT portion of this service action.**

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.
2. Is vehicle equipped with a manual transmission?
  - a. Yes >>> DTC P1302 - Transmission Self Learning will be active. **Depress clutch pedal fully to allow DTC to store**, proceed to [Step #3](#).
  - b. No >>> Proceed to [Step #3](#).
3. Perform Cruise Control Learn Procedure.
  - a. Turn Ignition Key to the OFF/LOCK position for 10 seconds to allow the module to power down.
  - b. Turn Ignition Key to the ON/RUN position.
  - c. Press and hold the Cruise ON/OFF button on the steering wheel for 10 seconds.
  - d. Start Engine.
  - e. Press the Cruise ON/OFF button to verify that the Cruise indicator illuminates on the cluster.
4. 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.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
**18-19-06-CJ**	Module, Powertrain Control (PCM) - Inspect (0 - Introduction)	8 - Engine Performance	0.2 Hrs.
**18-19-06-CK**	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	8 - Engine Performance	0.3 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:**

**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.**

- CC - Customer Concern ( Ex. Customer comes in with a concern and updated (flash) software is found pertaining to the concern).
- RF - Routine Flash ( Ex. Customer comes in with no concern but updated (flash) software is found in VIP, wiTECH or wiADVISOR ).

CC	Customer Concern
RF	Routine Flash