SERVICE BULLETIN

NUMBER: 18-015-14

GROUP: Vehicle Performance

DATE: March 11, 2014

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 14.02 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:
Flash: Malfunction Indicator Lamp (MIL) Illumination. Includes Various Driveability Improvements

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

MODELS:

2014	(LX)	300
2014	(LD)	Charger
2014	(LC)	Challenger

NOTE: This bulletin applies to vehicles equipped with a 5.7L engine (sales code EZH or EZC) built on or before March 4, 2014 (MDH 0304XX).

SYMPTOM/CONDITION:
A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find that the following Diagnostic Trouble Codes have been set:

- P0300 - Multiple Cylinder Misfire

NOTE: The P0300 improvement only applies to vehicles using a block heater in ambient temperatures greater than -20°F(-29°C).

- P0606 - Internal Control Processor
- P219A - Air-Fuel Ratio Cylinder Imbalance Bank 1

This release also contains the following improvements:

- Technicians may find that the original vehicle keys/FOBIKs do not function properly following replacement of the Wireless Ignition Node (WIN/WCM). The Secret Key information stored in the PCM may be corrupt. This update will restore the PCM's ability to store/transfer valid Secret Key information. **(applies only to LC vehicles)**
- Accuracy improvements for the Automatic Oil Change Indicator (AOCI) system.

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 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's, 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. Perform the "PCM Replaced" function located in wiTECH under the WCM/WIN module view under the Miscellaneous Functions tab. This will transfer the current/valid Secret Key information from the WIN/WCM to the PCM. **(applies only to LC vehicles)**
3. **After PCM reprogramming, the following must be performed:**clear any DTC's that may have been set in other modules 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-Z2	Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled) **Challenger (LC)**	8 - Engine Performance	0.3 Hrs.
18-19-06-Z3	Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled) **Charger/300 (LD/LX)**	8 - Engine Performance	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 15 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

FM	Flash Module