SERVICE BULLETIN

NUMBER: 18-058-14

GROUP: Vehicle Performance

DATE: October 30, 2014

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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: MIL Illumination, P0141 Oxygen Sensor 1/2 Heater Performance

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

MODELS:

2015	(FF)	500

NOTE: This bulletin applies to vehicles built on or after July 17, 2014 (MDH 0717XX) and on or before October 31, 2014 (MDH 1031XX) equipped with a 1.4L I4 Multiair 16V Engine (sales code EAB) or a 1.4L I4 Multiair Turbo Engine (sales code EAF).

SYMPTOM/CONDITION:
The customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find Diagnostic Trouble Code (DTC) P0141 Oxygen Sensor 1/2 Heater Performance.

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 one 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 listed above, 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. 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: Follow all screen prompts that apply to the vehicle.

2. Is the vehicle equipped with a manual transmission?
   a. Yes >>> Fully depress the clutch pedal and than release it, push OK to continue.
   b. No >>> Push OK to continue.
3. Is the vehicle equipped with cruise control?
   a. Yes >>> Depress cruise on/off switch until the cruise indicator in the cluster illuminates and push OK to continue.
   b. No >>> Push OK to continue.

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

4. Clear any DTCs that may have been set in all 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-X3	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:

FM	Flash Module