SERVICE BULLETIN

NUMBER: 18-073-14

GROUP: Vehicle Performance

DATE: December 19, 2014

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THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 14-105. 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 15.02 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:
Flash: 3.0L Powertrain Diagnostic And System Enhancements EGR System And AC Compressor Relay Operation

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

MODELS:

2015	(DS)	Ram 1500 Pickup

NOTE: This bulletin applies to vehicles built on or before December 15, 2014 (MDH 1215XX) equipped with a 3.0L diesel engine (sales code EXF).

SYMPTOM/CONDITION:
The following powertrain system improvements/enhancements are included in this software release.

- Enhancements to improve A/C compressor relay duty cycle operation to prevent ignition off battery draw.
- Powertrain system improvements to enable EGR cleaning routine.
- Software to eliminate Malfunction Indicator Lamp (MIL) Illumination with no defect found for Diagnostic Trouble Code (DTC) P016A-00 - Excessive Time To Enter Closed Loop Air/Fuel Ratio Control.

DIAGNOSIS:
Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all vehicle 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.

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. Using wiTECH, verify if the PCM is at the latest available software. Does the PCM software need to be updated?
   a. Yes>>> Proceed to Step #2.
   b. No>>> Proceed to Step #6.
2. 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: After PCM reprogramming, the following must be performed:

3. 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 the tech to clear them.
4. Under the PCM "System Tests" perform the "SCR DEF Tank Fluid Level Reset" procedure.
5. Turn the ignition off for 35 seconds to complete the flash. Proceed to Step #6.
6. With the ignition key off, test for voltage on fuse F62 (10 amp red) located in the under hood Power Distribution Center (PDC) using a volt meter connected to ground. Was 12 volts measured at the fuse with the ignition off?
   a. Yes>>>Further diagnosis and repair is required. Refer to all applicable published TSBs or service information in DealerCONNECT/TechCONNECT regarding ignition off battery draw.
   b. No>>> The bulletin is now complete. If no software update was needed, use Labor Op 08-19-04-BF to close out the RRT portion of this service action.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-04-BF	Module, Powertrain Control (PCM) - Inspect Only (Includes fuse voltage test) (0 - Introduction)	10 - Diesel	0.2 Hrs.
18-19-04-A3	Module, Powertrain Control (PCM) - Reprogram. (Includes fuse voltage test) (0 - Introduction)	10 - Diesel	0.3 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 7 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

FM	Flash Module