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GROUP: Vehicle Performance

DATE: December 11, 2013

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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 RELEASE 14.01 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Various Driveability Improvements

OVERVIEW:

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

MODELS:

2013 (DS) Ram 1500

NOTE: This bulletin applies to vehicles equipped with a 5.7L engine (sales code EZH).

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).

- P2008 - Short Runner Valve (SRV) Control Circuit
- P1004 - Short Runner Valve Control Performance
- P2016 - Intake Manifold Runner Position Sensor Circuit Low
- P2017 - Intake Manifold Runner Position Sensor Circuit High

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. **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-X9	Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled)	8 - Engine Performance	0.2 Hrs.

FAILURE CODE:

FM	Flash Module
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