



**NUMBER:** 18-046-14

**GROUP:** Vehicle Performance

**DATE:** August 19, 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 VERSION 15.01 OR HIGHER TO PERFORM THIS PROCEDURE.**

**SUBJECT:**

Flash: MIL Illumination P219A-Air Fuel Ratio Cylinder Imbalance Bank 1

**OVERVIEW:**

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

**MODELS:**

2014 (KL) Cherokee

**NOTE:** This bulletin applies to vehicles equipped with a 2.4L engine (sales code ED6) built on or after March 03, 2014 (MDH 0303XX) and on or before July 15, 2014 (MDH 0715XX).

**SYMPTOM/CONDITION:**

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find that Diagnostic Trouble Code P219A-Air-Fuel Ratio Cylinder Imbalance Bank 1 has been set in the PCM.

**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, 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. Once the update is complete, 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 them to be cleared.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
18-19-06-9V	Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled)	8 - Engine Performance	0.2 Hrs.

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 10 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.**

**FAILURE CODE:**

FM	Flash Module
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