SERVICE BULLETIN

**NUMBER:** 18-055-14

**GROUP:** Vehicle Performance

**DATE:** October 11, 2014

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**THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 14-086. 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 MUST BE AT RELEASE 15.02 OR HIGHER TO PERFORM THIS PROCEDURE.**

***SUBJECT:***
Flash: Malfunction Indicator Lamp (MIL) Illumination, P06EF-Engine Restart Performance

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

***MODELS:***

| | | |
|---|---|---|
| 2015 | (KL) | Cherokee |

**NOTE: This bulletin applies to vehicles built on or before September 17, 2014 (MDH 0917XX) equipped with 3.2L (sales code EHB) and Start-Stop System (sales code XBU).**

***SYMPTOM/CONDITION:***
The customer may experience that the vehicle may not auto-start after the first auto-stop. This condition may occur if someone tried to start the vehicle with the engine already running. The vehicle will restart if the ignition is cycled off and than back on. A MIL lamp may turn on and a message "Service start/stop" may be displayed. On further inspection DTC P06EF-Engine Restart Performance, may be found.

***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 a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe the symptom/condition above or if the DTC is found, 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. Instructions for flashing 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.
2. **After PCM reprogramming, the following must be performed:** 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.

***POLICY:***
Reimbursable within the provisions of the warranty.

***TIME ALLOWANCE:***

| Labor Operation No: | Description | Skill Category | Amount |
|---|---|---|---|
| 18-19-06-C9 | Module, Powertrain Control (PCM) - Inspect and/or Reprogram (0 - Introduction) | 8 - Engine Performance | 0.2Hrs. |

**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 |