



NUMBER: 18-019-14 REV.A

GROUP: Vehicle Performance

DATE: December 18, 2014

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-019-14, DATED MARCH 18, 2014, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDES ADDITIONAL SYMPTOM ENHANCEMENTS, A REVISED REPAIR PROCEDURE AND THE SERVICE BULLETIN IS BEING RELEASED AS AN RRT.**

****THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 14-104. 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 RELEASE 15.02 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Power Control Module Software Enhancements

OVERVIEW:

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

MODELS:

2014 (WK) Grand Cherokee (International Markets only)

NOTE: **This bulletin applies to vehicles equipped with a 3.0L engine (sales code EXF) AND Export Emissions (Sales Code NA1) equipped with Euro 5 OR Euro 4 Stage Emissions (Sales Code NBC or NB4).**

SYMPTOM/CONDITION:

The customers may experience one or all of the following:

******- Customer may experience a "detonation" type of noise while accelerating or at idle.******

- Customers may experience Cruise Control lock out (inoperative) after several "+" cruise button inputs attempting to increase Cruise Set Speed. Turning the ignition off and back on will clear the condition.

** - MIL light illuminates and DTC P2463-00 "Diesel Particulate Filter- Soot Accumulation" set in the PCM.**

The software is also being released to improve A/C compressor relay duty cycle operation to prevent ignition off battery draw.

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, perform the Repair Procedure.

REPAIR PROCEDURE:

CAUTION: **Do not interrupt the software update process in any way once it has begun. It may cause permanent damage to the PCM which will require replacement. It is highly recommended to have a new generic PCM unit available at the workshop before starting the Repair Procedure.**

NOTE: **It is recommended to NOT perform this update using a wireless connection. Connect the PC or laptop to the router and pod using the Ethernet or USB cable.**

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.

1. **Using wiTECH, Check the PCM calibration and see if it is up to date. Does the PCM software need to be updated?
 - a. Yes>>> Proceed to [Step #2](#).
 - b. No>>> Proceed to [Step #5](#).**
2. Reprogram the PCM with the latest available 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. Turn the ignition off for 35 seconds to complete the flash.
5. **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. No further action is required.**

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-04-BM	Module, Powertrain Control (PCM) - Check Software Level Only (0 - Introduction)	8 - Engine Performance	0.2 Hrs.
18-19-04-BB	Module, Powertrain Control (PCM) - Software Check + Reprogram (0 - Introduction)	8 - Engine Performance	0.4 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 15 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

FM	Flash Module
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