



NUMBER: 18-015-16

GROUP: Vehicle Performance

DATE: February 13, 2016

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-047-15 REV. A, DATED OCTOBER 15, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDES UPDATED SYMPTOM/CONDITION, NEW RRT NUMBER, BUILD DATE AND LABOR OP.**

THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL ** (RRT) 16-017****. 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 IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:

Flash: 3.0L Powertrain Diagnostic And System Enhancements

OVERVIEW:

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

MODELS:

2015 (WK) Jeep Grand Cherokee (International Only)

NOTE: This bulletin applies to vehicles built on or before **December 11, 2015 (MDH 1211XX)**** equipped with a 3.0L Diesel engine (Sales Code EXF) and Euro6 Emissions (Sales Code NB6).**

SYMPTOM/CONDITION:

A small number of customers may experience a Malfunction Indicator Lamp (MIL) Illumination. Upon further investigation, a technician may find one or more of the following Diagnostic Trouble Codes (DTCs) stored in the PCM memory:

- P204F-00 - Reductant System Performance.
- P20E9-00 - Reductant Pressure Too High.
- P249C-00 - Excessive Time To Enter Closed Loop Reductant Injection Control.
- P2002-00 - Diesel Particulate Filter Efficiency Below Threshold.
- P20C2-00 - Reductant Heater 3 Control Circuit Performance.
- P2299-00 - Brake Pedal Position/Accelerator Pedal Position Incompatible.
- P208B-00 - Reductant Pump 1 Control Performance.
- P1288-00 - NOX Sensor 1/2 Zero Offset Too High.

Additional software updates for improved emission calibrations.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all vehicle systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues 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 listed above 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. 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 >>> The RRT has been completed. Use inspection LOP 18-19-04-DK to close the active RRT.
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.
3. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.
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.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-04-DK	Module, Engine Control (ECM) - Inspect Software Level Only (0 - Introduction)	8 - Engine Performance	0.2 Hrs.
18-19-04-EF	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	8 - Engine Performance	0.3 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 9 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

The dealer must choose which failure code to use. If the customer came in with an issue and the dealer found updated software to correct that issue, use failure code CC, for all other use failure code RF.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- If an available flash is completed while addressing a different customer concern, failure code RF is to be used.

CC	Customer Concern
RF	Routine Flash