



**NUMBER:** 18-085-17

**GROUP:** 18 - Vehicle Performance

**DATE:** September 19, 2017

*This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.*

**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-035-16 REV. B, DATED DECEMBER 08, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDES, UPDATED SOFTWARE, LOP AND FAILURE CODE STATEMENT.**

**FOR HELP WITH USING wiTECH FOR ECU FLASH REPROGRAMMING, CLICK ON THE APPLICATION'S "HELP" TAB.**

**THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.**

***SUBJECT:***

Flash: Powertrain Diagnostic and System Improvements

***OVERVIEW:***

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

***MODELS:***

2015 (KL) Jeep Cherokee

**NOTE: This bulletin applies to vehicles equipped with 3.2L Engine (Sales Code EHB).**

***SYMPTOM/CONDITION:***

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation, the technician may find the following DTCs set in the PCM memory:

- P1D83 - Implausible Engine Oil Temperature Signal Received **\*\***(Software has been updated to better address this DTC).**\*\***
- U1504 - Implausible Message Data Length Received From Steering Angle Sensor.
- U1424 - Implausible Engine Torque Signal Received.
- P0456 - EVAP System Small Leak.
- P0335 - Crankshaft Position Sensor Circuit.
- U0402 - Implausible Data Received From TCM - (Transmission Control Module).
- B10EA - Blower Motor Control Circuit High.
- B10E9 - Blower Motor Control Circuit Low.
- P0441 - EVAP Purge System Performance.
- P0116 - Engine Coolant Temperature Sensor Performance.
- P2067 - Fuel Level Sensor 2 Circuit Low (International Only).

In addition the customer may notice one of the following conditions:

- A push/bump feeling when the transmission is downshifting from eighth to seventh gear.
- Vehicle shudder at stop/start with A/C on.

Software enhancement also includes:

- Calibration update to allow the throttle body to be cycled while the engine is off, for diagnostic purposes.

### **DIAGNOSIS:**

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If Diagnostic Trouble Codes (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 the customer describes the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

### **REPAIR PROCEDURE:**

**NOTE: The Transmission Control Module (TCM) must be updated to the latest available software at the conclusion of this repair procedure. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the TCM software.**

**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. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. Clear any DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allows them to be cleared.
3. Verify the TCM is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the TCM software.

### **POLICY:**

Reimbursable within the provisions of the warranty.

### **TIME ALLOWANCE:**

<b>Labor Operation No:</b>	<b>Description</b>	<b>Skill Category</b>	<b>Amount</b>
**18-19-06-SS	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.2 Hrs.**

**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:**

**\*\*The dealer must use failure code CC with this Service Bulletin.**

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Service Bulletin flash/reprogramming conditions.\*\*

CC	Customer Concern
----	------------------