



NUMBER: 18-073-17

GROUP: 18 - Vehicle Performance

DATE: August 16, 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 18-115-16, DATED NOVEMBER 03, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE AN UPDATED BUILD DATE, DIAGNOSTIC TROUBLE CODES (DTCs), SOFTWARE UPDATES, REPAIR PROCEDURE NOTE, STEP, LOP AND UPDATED 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 Engine Control Module/Powertrain Control Module (ECM/PCM) with the latest available software.

MODELS:

2017	(DJ)	RAM 2500 Pickup
2017	(D2)	RAM 3500 Pickup

NOTE: This bulletin applies to vehicles within the following markets/countries: NAFTA.

NOTE: This bulletin applies to vehicles built on or before **July 31, 2017 (MDH 0731XX)**** equipped with a 6.7L I6 Cummins Turbo Diesel Engine (Sales Code ETK).**

SYMPTOM/CONDITION:

****Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the following DTCs have been set:**

- P202E - Reductant Injector Performance.
- P218F - Reductant No Flow Detected.**

Customers may experience one or more of the following conditions:

- Unpleasant odor in the vehicle at low speeds and when regeneration is active.
- Intermittent no crank and no start (**68RFE automatic transmission only**).
- Unable to complete "Fuel Pressure Override" test in the scan tool.

In addition, the following software enhancements are also available:

- ****Calibration changes to engine-off timer.**
- Changes to engine warm up protection.
- Hydrocarbon Desorption (HCD) driveability improvements.
- A/C pressure sensor update.
- Exhaust Gas Recirculation (EGR) calibration changes.**
- Improved fuel filter reminder calibration.
- Improved regeneration at low speeds.
- Updated accelerator pedal calibration to reduce hesitation.
- Calibration changes to reduce turbo inlet temperatures.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If DTCs or symptom conditions other than the ones listed 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 or if the technician finds any of the DTCs listed above, perform the Repair Procedure.

REPAIR PROCEDURE:

NOTE: **The Dosing Control Unit (DCU) MUST be updated to the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the DCU 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/ECM 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. Is this vehicle equipped with the 68RFE automatic transmission?
 - a. YES>>> Proceed to [Step 3](#).
 - b. NO>>> Turn ignition key "OFF" for 75 seconds then proceed to [Step 5](#).
3. Turn ignition key "OFF" for 10 minutes.
4. Perform the transmission "Quicklearn" procedure. Follow the detailed service procedures available in DealerCONNECT/TechCONNECT, Service Info Section 08 - Electrical > 8E - Electronic Control Modules > Module, Transmission Control > Standard Procedure > Quicklearn.
5. 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.
6. Perform the PCM Configuration routine in wiTECH located in the PCM "Misc. Functions" menu tab.
7. ****Verify the DCU is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the DCU software.****

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
**18-19-04-GP	Module, Engine Control (ECM) - Reprogram, (M/T & Aisin) (1 - Semi-Skilled)	10 - Diesel	0.4 Hrs.
18-19-04-GQ	Module, Engine Control (ECM) - Reprogram, Quicklearn 68RFE Only (A/T) (1 - Semi-Skilled)	10 - Diesel	0.7 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:

****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
----	------------------