



NUMBER: 25-003-17

GROUP: Emissions Control

DATE: March 24, 2017

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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: Dosing Control Unit (DCU) Diagnostic And System Improvements

OVERVIEW:

This bulletin involves reprogramming the DCU with the latest available software and if necessary replacing the unit.

MODELS:

2016	(D2)	RAM 3500 Pickup
2016	(DJ)	RAM 2500 Pickup
2016	(DD)	RAM 3500 Cab Chassis
2016	(DP)	RAM 4500/5500 Cab Chassis
2016	(DF)	RAM 3500 <10K LB Cab Chassis

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

NOTE: This bulletin applies to vehicles equipped with 6.7L I6 Cummins Turbo Diesel Engine (Sales Code ETK) equipped with Selective Catalytic Reduction (UREA) (Sales Code XAL).

SYMPTOM/CONDITION:

Some customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation, a technician may find the following Diagnostic Trouble Codes (DTCs):

- P207F - Reductant Quality Performance.
- P202C - Reductant Tank Heater Control Circuit High.
- P203B - Reductant Level Sensor 1 Circuit Performance.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If any DTCs or symptom conditions, other than the one listed above is present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer describes the symptom/condition listed above or if the technician finds DTCs, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	68301070AB	Dosing Control Unit

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.

- Using wiTECH, check for any codes setting in the PCM and record them on the repair order. If necessary, perform a vehicle scan report and save it for your records.
- Using wiTECH navigate to the DCU flash tab.
- Is software flash part# 68313041AB available?
 - YES>>> Proceed to [Step #4](#).
 - NO>>> Proceed to [Step #5](#).
- Reprogram the DCU with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab. Proceed to [Step #7](#)
- Replace the DCU. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: Service Info>25 - Emissions Control/Diesel Exhaust Fluid Emissions/Unit, Diesel Exhaust Fluid Dosing Control/Removal/Installation.
- Program the new DCU with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
- 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.
- Using wiTECH, perform another vehicle scan report.
- Is the DTC P207F set active?
 - YES>>> Ensure that the DEF tank temperature is above 4°C (39°F) drive the vehicle for 15 minutes in an attempt to clear the fault. Proceed to [Step #10](#).
 - NO>>> This bulletin has been completed.
- Did DTC P207F reset?
 - YES>>> Follow all current published service information for P207F-Reductant Quality Performance and repair as necessary.
 - NO>>> This bulletin has been completed.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-18-95	Unit, Dosing Control (DCU) - Reprogram (0 - Introduction)	10 - Diesel	0.2 Hrs.
18-19-18-96	Module, DEF Control Unit (DCU) - Replace and Reprogram (0 - Introduction)	10 - Diesel	0.5 Hrs.

	Related		
18-19-18-50	Test Drive - (Requires Pre / Post Scan Reports)	10 - Diesel	0.4 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 2 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
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