



NUMBER: 18-052-14

GROUP: Vehicle Performance

DATE: October 07, 2014

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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 VERSION MUST BE AT **15.02 OR HIGHER TO PERFORM THIS PROCEDURE.**

SUBJECT:

Flash: 6.7L Diagnostic And System Improvements

OVERVIEW:

This bulletin involves selectively erasing and reprogramming the Engine Control Module/Powertrain Control Module (ECM/PCM) with new software.

MODELS:

2015	(DJ)	Ram 2500 Pickup
2015	(D2)	Ram 3500 Pickup

NOTE: This bulletin applies to vehicles equipped with a 6.7L Cummins Diesel engine (Sales code ETK) built on or before September 25, 2014 (MDH 0925XX).

SYMPTOM/CONDITION:

Several software improvements are available for vehicles equipped with a Cummins 6.7L turbo diesel.

Improvements To Prevent Or Reduce Unnecessary Malfunction Indicator Lamp (Mil) Illumination For:

- P2281 - Air Leak Between MAF And Throttle Body.
- U1421 - Implausible Ignition Key Off Time Received.
- P026B - Injection Timing Performance.

Other Software Improvements:

- Charging system improvements for dual alternator applications.
- Torque increase to 865 ft/lbs (D2 vehicles equipped with the Aisin transmission sales code DF2 only)
- Fuel Filter Minder calibration changes.
- wiTECH Fuel Pressure Override and Fuel System Run Up test improvements

DIAGNOSIS:

Using a Scan Tool with the appropriate Diagnostic Procedures available in TechCONNECT, verify all vehicle systems are functioning as designed. If DTCs or other conditions are present, other than the ones listed above, record them on the repair order and repair as necessary before proceeding further with this bulletin.

REPAIR PROCEDURE:

NOTE: If you receive a message at the conclusion of the download stating the that the flash was not successful, the message may be erroneous. If there is an error message after the flash has completed, first confirm that the DTC U1601 is not present and that the P/N has been updated. If so, start the engine to confirm the flash was successful. If DTC U1601 is present, OR the P/N did not update, OR the engine did not start, the flash may have been unsuccessful. Restart the flash update.

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

1. Flash reprogram the ECM/PCM. 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 has completed successfully, the following must be performed:

2. After reprogramming, turn the ignition off to power down the ECM/PCM. Automatic Transmission equipped vehicles must have the key off for 10 minutes. Manual transmission equipped vehicles must have the key off for 75 seconds.
3. On vehicles equipped with a 68RFE automatic transmission, 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.
4. 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.
5. Perform the PCM Configuration routine in wiTECH located in the PCM "Misc Functions" menu tab.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-04-AW	Module, Engine Control/Powertrain Control (ECM/PCM) (Manual Trans/Aisin)-Reprogram (1 - Semi-Skilled)	10 - DIESEL	0.4 Hrs.
18-19-04-AV	Module, Engine Control/Powertrain Control (ECM/PCM) 68RFE Trans Only - Reprogram (1 - Semi-Skilled)	10 - DIESEL	0.6 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 20 minutes. Actual flash download times may be effected by vehicle connection and network capabilities.

FAILURE CODE:

FM	Flash Module
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