



**NUMBER:** 18-002-14

**GROUP:** Vehicle Performance

**DATE:** January 17, 2014

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**THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 13-083. 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.**

**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-049-13 REV. A, DATED NOVEMBER 13, 2013 WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH \*\*ASTERISKS\*\*. THIS BULLETIN IS NOW BEING RELEASED AS A RAPID RESPONSE TRANSMITTAL. ALL REVISIONS ARE HIGHLIGHTED WITH ASTERISKS.**

**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 LEVEL MUST BE AT RELEASE 14.01 OR HIGHER TO PERFORM THIS PROCEDURE.**

***SUBJECT:***

Flash: Diagnostic and System Improvements

***OVERVIEW:***

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

***MODELS:***

2014	(DD)	Ram Chassis Cab (3500)
2014	(DP)	Ram Chassis Cab (4500/5500)

**NOTE: This bulletin applies to DD/DP vehicles equipped with a 6.7L Cummins engine (Sales code ETK).**

***SYMPTOM/CONDITION:***

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

**Prevent Or Reduce Unnecessary Malfunction Indicator Lamp (MIL) Illumination For The Following Diagnostic Trouble Codes (DTC's). These DTC's Are Currently Tripped As A One Trip Fault And Should Have Been A Two Trip Fault:**

- P049D - EGR CONTROL POSITION EXCEEDED LEARNING LIMIT

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

- \*\* P202E - (DIESEL EXHAUST FLUID) REDUCTANT INJECTOR PERFORMANCE \*\*
- P20EE - SCR NO<sub>x</sub> CATALYST EFFICIENCY BELOW THRESHOLD - BANK 1
- P2002 - DIESEL PARTICULATE FILTER EFFICIENCY BELOW THRESHOLD
- P0604 - INTERNAL CONTROL MODULE RAM ERROR. This DTC may be caused by enabling the remote throttle feature via the EVIC, and it will be accompanied by a "service electronic throttle control" message in the EVIC.

**Other Updates:**

- \*\* OBD Template changes for P2453 \*\*
- \*\* Fuel Filter Minder Calibration Changes \*\*
- \*\* Dual Fuel Tank component update \*\*
- Inducement Timer Reset (Feature enable in wiTech)
- PTO Denied Status Message Update
- PTO Horn Request sent to Body Control Unit (BCU)
- Wait To Start (WTS) bulb check timing improvements (1 second)
- Frozen CAC Diagnostic Improvement

**DIAGNOSIS:**

Using a Scan Tool with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If DTC's are present, other than the ones listed above, record them 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 or if the technician finds the listed DTC, perform the Repair Procedure.

**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 PCM. Help using the wiTECH Diagnostic Application for flashing the control modules is made available through the wiTECH Diagnostic Application. For instructions select the "HELP" tab on upper portion of the wiTECH window, then "HELP CONTENTS". This will open the Welcome to wiTECH Help screen where help topics can be selected. **After PCM reprogramming has completed successfully, the following must be performed:**
2. Power down the PCM (key off) after flash. Aisin Automatic Transmission equipped trucks and Manual Transmission trucks must have key off for 75 seconds.
3. Clear any DTC's 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.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
18-19-04-9Y	RRT Only - Inspect - Connect WiTech - Module, Engine Control (ECM) Up To Date	10 - DIESEL	0.2 Hrs.
18-19-04-Z9	Module, Engine Control (ECM) - Reprogram, (2 - Semi-Skilled)	10 - DIESEL	0.4 Hrs.

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 15 minutes. Actual flash download times may be effected by vehicle connection and network capabilities.**

**FAILURE CODE:**

FM	Flash Module
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