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) 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 Transmission Faults. These Faults 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:

- P20EE - SCR NOx CATALYST EFFICIENCY BELOW THRESHOLD - BANK 1
- P2002 - DIESEL PARTICULATE FILTER EFFICIENCY BELOW THRESHOLD

Other Updates:

- Dual Fuel Tank capability

- 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, record them on the repair order and repair as necessary before proceeding further with this bulletin.

If the above condition is present, 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-T9	Module, Engine Control (ECM) - Reprogram, (2 - Semi-Skilled)	10 - DIESEL	0.4 Hrs.

FAILURE CODE:

FM	Flash Module