



NUMBER: 18-025-09

GROUP: Vehicle Performance

DATE: September 2, 2009

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THE wiTECH DIAGNOSTIC APPLICATION IS THE PREFERRED METHOD FOR FLASHING ECUs.

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 10.01 OR HIGHER TO PERFORM THIS PROCEDURE.

StarMOBILE DESKTOP CLIENT or StarSCAN MAY ALSO BE USED TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Mil Illumination P2610 - PCM Internal Engine Off Timer Performance

OVERVIEW:

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

MODELS:

2009	(WK)	Grand Cherokee
2009	(WH)	Grand Cherokee (International Markets)
2009	(XK)	Commander
2009	(XH)	Commander (International Markets)

NOTE: This bulletin applies to 2009 vehicles equipped with a 4.7L engine (Sales code EVE).

SYMPTOM/CONDITION:

Some customers may complain of a MIL Illumination. Upon further investigation the Technician may also find that P2610 - PCM Internal Engine Off Timer Performance is set.

This is caused by the engine block heater (by design) keeping the engine block warm and the logic in the PCM was expecting a quicker cool down than was actually achieved. The updated software compensates for the use of the engine block heater.



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DIAGNOSIS:

Using a Scan Tool (wiTECH™ or StarSCAN®) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If DTC's other than the one listed above are present record them on the repair order and repair as necessary before proceeding further with this bulletin.

If the vehicle operator describes or experiences the Symptom/Condition, perform the Repair Procedure. If the engine block heater was not in use when the code was set then it will be necessary to perform the diagnostics available DealerCONNECT/TechCONNECT, Refer To Group 28 - DTC Based Diagnostics > Module - Powertrain Controller > Diagnostic and Testing > P2610 - PCM Internal Engine Off Timer Performance has been set.

PARTS REQUIRED:

Qty.	Part No.	Description
1	04275086AB	Label, Authorized Modification

REPAIR PROCEDURE:

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

1. Reprogram the PCM with the latest software. Follow the detailed service procedures available in DealerCONNECT/TechCONNECT, Refer To Group 8 - Electrical > Electronic Control Modules - Service Information > Module - Powertrain Control > Standard Procedures > PCM/ECM Programming - Gas. **After PCM reprogramming, the following must be performed:**
 - a. 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.
2. Type the necessary information on the "Authorized Modification Label" and attach it near the VECI label.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
18-19-06-F3	Module, Powertrain Control (PCM) - Reprogram (B)	0.2 Hrs.
International Related Operation		
18-00-00-WT	StarSCAN/StarMOBILE (International) (B)	0.2 Hrs.

FAILURE CODE:

FM	Flash Module
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