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GROUP: Vehicle Performance

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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 LEVEL MUST BE AT RELEASE 14.03 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Powertrain System Improvements/Enhancements

OVERVIEW:

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

MODELS:

2014 (JC) Journey

NOTE: This bulletin applies to vehicles equipped with a 3.6L engine (sales code ERB) or a 2.4L engine (sales code ED3 or ED7) built on or before January 29, 2014 (MDH 0129XX).

SYMPTOM/CONDITION:

The following powertrain system improvements/enhancements are included in this software release:

- Enhanced Automatic Oil Change Indicator(EAOICI) system enhancements that force the use of the severe duty cycle algorithm anytime the PCM is replaced. The vehicle duty cycle information used in the EAOICI calculation is stored in the PCM and cannot be recovered/transferred when the controller is replaced. As a result, the severe duty cycle is used in these scenarios to ensure the customer receives a timely oil change required message.
- Corrected a generic scan tool display issue regarding Mode 6 data accuracy.
- Improved Electronic Voltage Regulator control to more precisely maintain system voltage.

DIAGNOSIS:

Using a Scan Tool (wiTECH) 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.

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.

1. Reprogram the PCM with the latest software. Help using the wiTECH Diagnostic Application for flashing control modules is 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.
2. **After PCM reprogramming, the following must be performed:** 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
18-19-06-Z8	Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled)	8 - Engine Performance	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 4 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

FM	Flash Module
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