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GROUP: Electrical

DATE: August 15, 2012

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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 13.01 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Secret Key Transfer Results In Negative Response 0x22 Error

OVERVIEW:

This bulletin involves flash reprogramming the Powertrain Control Module (PCM) with new software.

MODELS:

2011-2013 (WK) Grand Cherokee (International Only)

NOTE: This Service Bulletin applies to vehicles equipped with a 3.0L turbo diesel (sales code EXF) built before August 20, 2012 (MDH 0820XX).

SYMPTOM/CONDITION:

When WCM (immobilizer module) needs replacement, the procedure calls for transferring “secret key” data from the diesel PCM to the new WCM. This secret key transfer attempt will result in Negative Response 0x22 error and will cause the key fobs to be replaced. Performing this flash will allow the transferring “secret key” data from the diesel PCM to the new WCM and the key fobs will not need to be replaced.

DIAGNOSIS:

Using a Scan Tool (wiTECH™) with the appropriate Diagnostic Procedures available in TechCONNECT, verify no DTC's are set. If DTC's are present other than the one listed above record them on the repair order and repair as necessary before proceeding further with this bulletin.

When WCM (immobilizer module) needs replacement perform the repair procedure.

PARTS REQUIRED:

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

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. Follow the detailed service procedures available in DealerCONNECT/TECHCONNECT, Refer To 8 - Electrical/Electronic Control Modules/Powertrain Control Module - Standard Procedure PCM/ECM Programming.
2. **After PCM reprogramming**, 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.
3. 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-B6	Module, Powertrain Control (PCM) - Reprogram (Skill Level = C; Training Level = 2)	0.2 Hrs.

FAILURE CODE:

FM	Flash Module
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