



**NUMBER:** 21-004-13

**GROUP:** Transmission and Transfer Case

**DATE:** April 27, 2013

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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 13.03 OR HIGHER TO PERFORM THIS PROCEDURE.**

***SUBJECT:***

Flash: Drivetrain Control Module (DCTM) - Transfer Case Operational Enhancements

***OVERVIEW:***

This bulletin involves flashing the Drivetrain Control Module (DCTM)

***MODELS:***

2011	WD	Durango
2011	WK	Grand Cherokee

**NOTE: This bulletin applies to vehicles equipped with the QUADRA-TRAC II 4WD System or Two Speed On Demand Transfer Case (Sales Code DKA) and the 215MM Rear Axle (Sales Code DPP) with the 3.06 Gear Ratio (Sales Code DMP) or 225MM Rear Axle (Sales Code DPR) with the 3.47 Gear Ratio (Sales Code DMG) built before May 2, 2011 (MDH 0502XX).**

***SYMPTOM/CONDITION:***

Owners may indicate that they have experienced one or more of the following symptoms:

1. Moaning or groaning noise while coasting and/or during a very light acceleration around 5 to 8 mph (8 to 13 kph).
2. The SERV 4WD message appears and the vehicle shifts from 4WD to 2WD.
3. Binding of the front driveline while turning on steep grades at speeds around 3 to 5 mph (5 to 8 kph).
4. Surge/Shudder at speeds greater than 50 mph (80 kph).

***DIAGNOSIS:***

If the customer describes any of the symptoms above, perform the Repair Procedure.

***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 DCTM with the latest software.
2. **After DTCM 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:***

<b>Labor Operation No:</b>	<b>Description</b>	<b>Amount</b>
18-19-07-9A	Module, Drivetrain Control - Reprogram (Semi Skill - 1)	0.2 Hrs.

***FAILURE CODE:***

FM	Flash Module
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