



**NUMBER:** 18-006-10

**GROUP:** Vehicle Performance

**DATE:** March 10, 2010

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**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-031-09, DATED OCTOBER 30, 2009, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE THE ADDITIONAL 2007 MODELS.**

**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 10.02 OR HIGHER TO PERFORM THIS PROCEDURE.**

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

***SUBJECT:***

Flash: MDS Driveability Improvements

***OVERVIEW:***

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

***MODELS:***

2007	(DR)	Ram Truck
2007	(HB)	Durango
2007	(HG)	Aspen
<b>**2007</b>	(WH)	Grand Cherokee (International Markets)**
<b>**2007</b>	(WK)	Grand Cherokee**
<b>**2007</b>	(XH)	Commander (International Markets)**
<b>**2007</b>	(XK)	Commander**

**NOTE: This bulletin applies to models equipped with a 5.7L engine (Sales code EZB).**



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**SYMPTOM/CONDITION:**

The customers may experience that the vehicle has a harsh engagement or has a buck/jerking feeling at low speeds of around 12 mph (19 kmh) to 15 mph (24 kmh). The customer may also experience a harsh engagement or buck/jerking feeling during highway cruise control operation from 65 mph (105 kmh) to 75 mph (121 kmh). These conditions are caused by excessive MDS transitions.

The MDS low speed engagement point has been changed to 21 mph (34 kmh). In addition to the MDS low speed engagement change, enhancements from V8 to V4 and V4 to V8 in all ambient temperatures and operating ranges have been made to make all the transition less noticeable to the customer.

**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 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.

**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-G5	Module, Powertrain Control (PCM) - Reprogram (C)	0.2 Hrs.
<b>International Related Operation</b>		
18-00-00-WT	StarSCAN/StarMOBILE (International) (C)	AT

***FAILURE CODE:***

FM	Flash Module
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