



NUMBER: 21-005-09

GROUP: Transmission

DATE: May 28, 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 9.05 OR HIGHER TO PERFORM THIS PROCEDURE.

StarMOBILE DESKTOP CLIENT, StarMOBILE STANDALONE MODE OR StarSCAN MAY ALSO BE USED TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Harsh 4-3 Shift And Shift Quality Improvements

OVERVIEW:

This bulletin involves selectively erasing and reprogramming the Transmission Control Module (TCM).

MODELS:

2009	(LC)	Challenger
2009	(LE)	300C/300C Touring (International Markets)
2009	(LX)	300/300C/Charger

NOTE: This Bulletin applies to models equipped with a 3.5L/5.7L or 6.1L engine and a NAG1 automatic transmission (Sales Code EGG, EZD, EZD or ESF with DGJ) built before May 20, 2009 (MDH 0520XX).

SYMPTOM/CONDITION:

Some customers may experience conditions that could be described as:

- i. A harsh 4-3 downshift during light/moderate vehicle braking or deceleration. During light to moderate vehicle braking while decelerating or coming to a stop, the driver may experience a harsh downshift into 3rd gear. The harsh shift is due to the inadequate pressure supplied to the apply clutch.
- ii. Harsh or abrupt shifting during normal maneuvers while the shifter is in the Drive (“D”) position, or the driver uses the shift lever to initiate a shift via AutoStick or ERS.



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DIAGNOSIS:

Using a Scan Tool (StarSCAN®) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all transmission 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 symptom/condition is experienced or can be verified, perform the Repair Procedure.

PARTS REQUIRED:

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

SPECIAL TOOLS / EQUIPMENT REQUIRED:

NPN	Battery Charger
CH9401	StarSCAN® Tool
CH9404D	StarSCAN® Vehicle Cable
CH9409	StarSCAN® Documentation Kit
CH9410	StarSCAN® Ethernet Cable, 12 ft.
CH9412	StarSCAN® Software Update Device Kit
	TechCONNECT PC or equivalent

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 > Module - Powertrain Control > Standard Procedures > PCM/ECM Programming - Gas.
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
18-19-05-91	Module, Transmission Control (TCM) - Reprogram (B)	0.4 Hrs.

FAILURE CODE:

ZZ	Service Action
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