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GROUP: Electrical

DATE: May 3, 2008

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THE StarSCAN® FLASH FILES FOR THIS BULLETIN MUST BE RETRIEVED FROM THE INTERNET.

StarSCAN® SOFTWARE LEVEL MUST BE AT RELEASE 8.05 OR HIGHER FOR THIS BULLETIN.

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

SUBJECT:

Flash: Inability to Data Record

OVERVIEW:

This bulletin involves Flash Reprogramming the Totally Integrated Power Module (TIPM) with new software.

MODELS:

2009	(JC)	Journey
2008	(JK)	Wrangler
2008	(KA)	Nitro
2008	(KK)	Liberty
2008	(RT)	Caravan/Town & Country
2008	(RT)	Chrysler Grand Voyager (International Markets)

NOTE: This bulletin applies to JC/KA/KK models built prior to February 21, 2008 (MDH0221XX) // JK models built prior to February 29, 2008 (MDH0229XX) // RT models built at the Windsor Assembly Plant (R in 11th position of VIN) before February 11, 2008 (MDH0211XX) - AND - RT models built at the St Louis Assembly Plant (B in the 11th position of VIN) before February 15, 2008 (MDH0215XX).

DISCUSSION:

Data recording is a valuable tool that provides assistance in diagnosing difficult to duplicate customer concerns. Some of the models listed above were incapable of utilizing the data recording features due to software compatibility concerns within the TIPM.

New software is now available that will allow data recording if required. The TIPM software

update described in this Service Bulletin is only required to provide data recording capability and the TIPM should only be updated if this feature is required. If Data Recording is required to diagnose one of the vehicles listed above, perform the Repair Procedure.

NOTE: Data Recordings cannot be made without this TIPM update and the StarSCAN must be operating at release 8.05 (or higher).

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

FLASH REPAIR PROCEDURE - USING THE INTERNET TO RETRIEVE THE FLASH FILE:

NOTE: Before performing this Repair Procedure, the operating software in the StarSCAN®; must be programmed with software release level 8.05 or higher. The software release level is visible in the blue header at the top of the StarSCAN® screen.

NOTE: The StarSCAN® diagnostic scan tool fully supports Internet connectivity. However, to take advantage of this feature you must first configure the StarSCAN® for your dealership's network. Make sure the StarSCAN® is configured to the dealership's network before proceeding. For instruction on setting up your StarSCAN® for the dealer's network refer to either: "DealerCONNECT > Service > StarSCAN and StarMOBILE tools > Online Documentation", or refer to the StarSCAN® Quick Start Networking Guide. The StarSCAN® Quick Start Networking Guide is also available on the www.dcctools.com website under the "Download Center".

NOTE: If this flash process is interrupted/aborted, the flash should be restarted. Follow the Abort / Recovery procedures listed below.

1. Install a battery charger and verify that the charging rate provides approximately 13.5 volts. Set the battery charger to continuous charge. Do not allow the charger to time out during the flash process. Remove the charger from the battery when the flash process is complete.
2. Connect the CH9410 StarSCAN® ethernet cable to the StarSCAN® and the dealer's network drop.
3. Connect the CH9404D StarSCAN® vehicle cable to the StarSCAN® and the vehicle data link connector (DLC).

4. Power ON the StarSCAN®.
5. Select "ECU View"
6. Touch the screen to TIPM in the list of modules.
7. Select "More Options"
8. Select "ECU Flash".
9. Record the "Part Number", displayed on the "Flash TIPM" screen, for later reference.
10. Select "Browse for New File". Follow the on screen instructions.
11. Highlight the listed TIPM calibration.
12. Select "Download to Scantool".
13. Select "Close" after the download is complete, then select "Back".
14. Highlight the flash file and select "Update Controller". Follow the on screen instructions.
15. When the TIPM update is complete, select "OK". update is complete, select "OK".
16. Verify that the part number changed at the top of the "Flash TIPM" screen.

NOTE: Due to the TIPM programming procedure, a DTC may be set in other modules (TCM, BCM, SKREEM, etc.) within the vehicle, if so equipped. Some DTC's may cause the MIL to illuminate. From the "Home" screen select "System View". Then select "All DTCs". Press "Clear All Stored DTCs" if there are any DTCs shown on the list.

ABORT / RECOVERY (IF REQUIRED):

1. Turn the StarSCAN "OFF".
2. Cycle Ignition "OFF" and back "ON".
3. Turn the StarSCAN "ON".
4. Manually select "Year and Body" using drop down menu.
5. From Home Screen, select "ECU View".
6. Select "TIPMCGW".
7. Select "More Options"
8. Select "ECU Flash".
9. Highlight the flash file and select "Update Controller". Follow remaining "On screen Prompts"

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POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
18-89-01-19	Flash Reprogram - Module, TIPM (C)	0.4 Hrs.

FAILURE CODE:

ZZ	Service Action
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