



**NUMBER:** 18-018-06

**GROUP:** Vehicle Performance

**DATE:** May 13, 2006

*This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of DaimlerChrysler Corporation.*

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

**StarSCAN® UPDATE CD 6.05 WAS THE LAST CD TO CONTAIN FLASH FILES.**

**THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 18-035-05 REV. A, DATED NOVEMBER 18, 2005, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE A CHANGE TO THE 2006 LX/LE 6.1L CLEAN POINT.**

***SUBJECT:***

FLASH: MIL Illumination At Start-Up Due To DTC P2112 Or P1521

***OVERVIEW:***

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

***MODELS:***

2006	(DR)	Ram Truck
2006	(HB)	Durango
2005 - 2006	(LX/LE)	300 / Magnum / Charger
2005 - 2006	(WK/WH)	Grand Cherokee
2006	(XK)	Commander

**NOTE: This bulletin applies to: Grand Cherokee and Commander vehicles equipped with a 5.7L engine (sales code EZB) built prior to September 08, 2005 (MDH 0908XX); or to Ram Truck vehicles equipped with a 5.7L engine (sales code EZB) built prior to October 27, 2005 (MDH 1027XX); or to Durango vehicles equipped with a 5.7L engine (sales code EZB) built prior to September 24, 2005 (MDH 0924XX); or to 300, Magnum, and Charger vehicles equipped with a 5.7L engine (sales code EZB) built prior to September 03, 2005 (MDH 0903XX); or to 300, Magnum, and Charger vehicles equipped with a 6.1L engine (sales code ESF) built prior to **\*\*April 17, 2006 (MDH 0417XX)\*\***.**



**Stick with the Specialists™**

**SYMPTOM/CONDITION:**

The vehicle operator may experience a Malfunction Indicator Lamp (MIL) illumination due to one of the following Diagnostic Trouble Codes (DTC):

**P2112 - Electronic Throttle Control - Unable To Open.** If this DTC occurs, it will set at time of engine start up. This condition may affect all vehicles listed above, except Durango (HB) and Ram Truck (DR).

**P1521 - Incorrect Engine Oil Type.** This DTC may set in high ambient temperature conditions when the correct oil type (viscosity) is being used in the engine.

**DIAGNOSIS:**

Using a Scan Tool (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 vehicle operator describes or experiences the Symptom/Condition, 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
CH9404	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 - USING THE INTERNET TO RETRIEVE THE FLASH FILE:**

**NOTE:** Before performing this Repair Procedure, the operating system in the StarSCAN® must be programmed with software release level 6.06 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](http://www.dcctools.com) website under the "Download Center".**

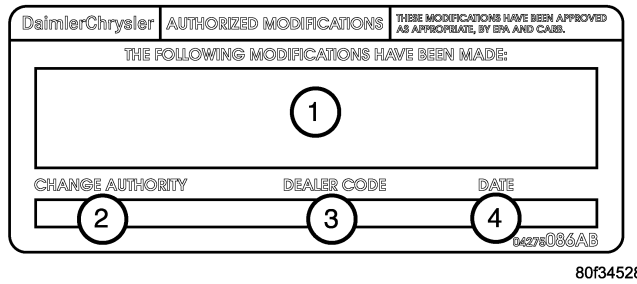
**NOTE: If this flash process is interrupted/aborted, the flash should be restarted.**

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 CH9404 StarSCAN® vehicle cable to the StarSCAN® and the vehicle.
4. Power ON the StarSCAN®.
5. Retrieve the old PCM part number. Using the StarSCAN® at the "Home" screen:
  - a. Select "ECU View"
  - b. Touch the screen to highlight the PCM in the list of modules.
  - c. Select "More Options"
  - d. Select "ECU Flash"
  - e. Record the part number at the top of the "Flash PCM" screen for later reference.
  - f. Select "Browse for New File". Follow the on screen instructions.
  - g. Select "Download to Scantool".
  - h. Select "Close" after the download is complete, then select "Back".
  - i. Highlight the listed calibration.
  - j. Select "Update Controller". Follow on screen instructions.
  - k. When the PCM update is complete, select "OK".
  - l. Verify the part number at the top of the "Flash PCM" screen has updated to the new part number.

**NOTE: Due to the PCM programming procedure, a DTC may be set in other modules (TCM, BCM, MIC, 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.**

**NOTE: The following step is required by law when reprogramming a PCM and/or TCM.**

6. Type the necessary information on the "Authorized Modification Label" p/n 04275086AB and attach near the VECI label ([Fig. 1](#)).



80f34528

**Fig. 1 AUTHORIZED MODIFICATION LABEL**

- 1 - POWERTRAIN CONTROL MODULE P/N (INSERT P/N) USED
- 2 - CHANGE AUTHORITY: TSB XX-XXX-XX
- 3 - DEALER CODE: XXXXX
- 4 - DATE: XX-XX-XX

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Amount
08-19-06-90	Module, NGC Powertrain / Transmission Control - Reprogram (B)	0.8 Hrs.

**FAILURE CODE:**

ZZ	Service Action
----	----------------