

**Date:** October 12, 2007

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

StarSCAN SOFTWARE LEVEL MUST BE AT RELEASE 8.02 OR HIGHER FOR THIS BULLETIN.

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

**Models:** 2008 (DR) Ram Truck

2008 (DR) Ram Truck

2008 (HB/HG) Durango / Aspen

2008 (LX) 300 / Magnum / Charger

2008 (WK) Grand Cherokee

2008 (XK) Commander

NOTE., This bulletin applies to the above listed vehicles equipped with a 5.7L engine with MDS (sales code EZB) built before the following dates:

- (HB/HG) built before August 15, 2007 (MDH0814XX)
- (LX) built before September 14, 2007 (MDH 0914XX)
- (DR) built before August 16, 2007 (MDH 0816XX)
- (WK/XK) built before August 23, 2007 (MDH 0823XX)

### **Overview:**

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

### **Symptom/Condition:**

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

- P0524 - Engine Oil Pressure Too Low

### **Diagnosis:**

Using a Scan Tool (StarSCAN) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If other 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:

### 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 8.02 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. Open the hood and install a battery charger. Using a voltmeter, verify that the charging rate provides 13.2 - 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.

NOTE: Do not allow the charging voltage to climb above 13.5 volts during the flash process.

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 ECU (TCM) 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".
- k. When the update is complete, select "OK".

6. 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 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.

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

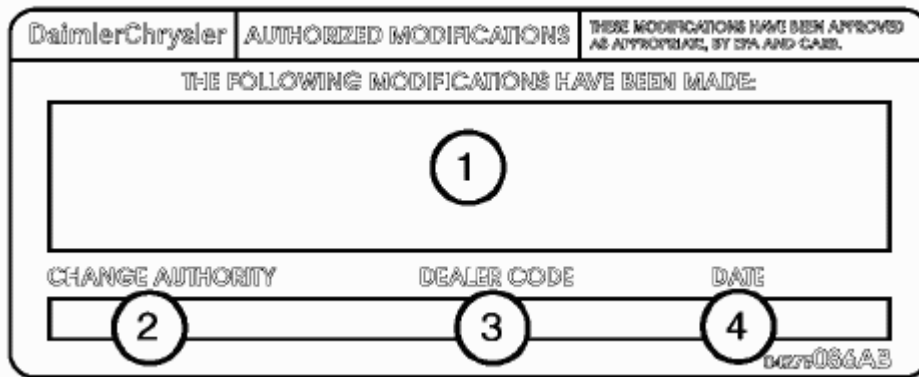


FIGURE 1 - AUTHORIZED MODIFICATION LABEL

- 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   |
|---------------------|--|----------|
| 18-19-06-99         | Module, Powertrain Control (PCM) - Reprogram (B) | 0.4 Hrs. |

**Failure Code:**

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