



**NUMBER:** 18-001-03 REV. A

**GROUP:** Vehicle  
Performance

**DATE:** Mar. 28, 2003

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**THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 18-001-03, DATED JANUARY 10, 2003, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDE AN ADDITIONAL MODEL YEAR.**

**THIS BULLETIN IS BEING PROVIDED IN ADVANCE. THE MDS2 MUST BE OPERATING WITH CIS CD2130 OR HIGHER, AVAILABLE APRIL 14, 2003.**

***SUBJECT:***

Flash: Update to Transmission Calibrations

***OVERVIEW:***

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

***MODELS:***

**\*\*2002\*\*** - 2003 (AN) Dakota

**NOTE: THE BULLETIN APPLIES TO VEHICLES EQUIPPED WITH A 3.9L ENGINE (SALES CODES EHC) AND 42RE AUTOMATIC TRANSMISSION (SALES CODE DGK) AND BUILT BEFORE NOVEMBER 22, 2002.**

***SYMPTOM/CONDITION:***

The vehicle operator may describe that the vehicle will not shift out of 2nd gear while climbing a grade.

***DIAGNOSIS:***

Using a Scan Tool (DRBIII®) with the appropriate Diagnostic Procedures Manual, verify all engine systems are functioning as designed. If DTCs are present, record them on the repair order and repair as necessary before proceeding further with this bulletin. If the Symptom/Condition is present, perform the Repair Procedure.

***PARTS REQUIRED:***

| Qty. | Part No.   | Description                       |
|------|------------|-----------------------------------|
| 1    | 04669020   | Label, Authorized Software Update |
| 1    | 04275086AB | Label, Authorized Modification    |

**EQUIPMENT REQUIRED:**

|             |  |
|-------------|--|
| NPN         | Battery Charger                              |
| CH2002      | General Purpose Interface Bus Cable Assembly |
| CH6000A     | Scan Tool (DRBIII®)                          |
| CH7000/7001 | J1962 Cable                                  |
|             | TechCONNECT Workstation                      |

**REPAIR PROCEDURE:**

**NOTE: WHENEVER A PCM/TCM IS REPLACED OR REPROGRAMMED, THE SOFTWARE IN THE CONTROLLER AND DRBIII® MUST BE VERIFIED AS HAVING THE LATEST REVISION LEVEL.**

1. Connect a battery charger and set as close to 14 volts charge as possible.
2. Flash the controller using the TechCONNECT/MDS2 and DRBIII®.

**NOTE: DUE TO THE PCM REPROGRAMMING PROCEDURE, A DTC MAY BE SET IN OTHER MODULES (TCM, BCM, MIC, SKIM, ETC.) WITHIN THE VEHICLE, IF SO EQUIPPED. SOME DTC'S MAY CAUSE THE MIL TO ILLUMINATE. ALL DTC'S RELATE TO A LOSS OF COMMUNICATIONS WITH THE MODULE THAT IS BEING REPROGRAMMED. CHECK ALL MODULES, RECORD THE FAULTS, AND ERASE THESE FAULTS PRIOR TO RETURNING THE VEHICLE TO THE CUSTOMER. ERASE ANY FAULTS IN THE PCM ONLY AFTER ALL OTHER MODULES HAVE HAD THEIR FAULTS ERASED.**

**NOTE: THE FOLLOWING STEPS ARE REQUIRED BY LAW.**


3. Type the necessary information on the "Authorized Software Update Label" p/n 04669020 (Fig. 1). Attach the label to the PCM and/or TCM as necessary and cover the label(s) with the clear plastic overlay.

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**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

4. Type the necessary information on the “Authorized Modification Label” p/n 04275086AB and attach near the VECI label (Fig. 2).



**CHRYSLER**  
**CORPORATION**

P/N:  
DLR CODE:  
DATE:

**AUTHORIZED SOFTWARE UPDATE**

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***Fig. 2 AUTHORIZED SOFTWARE UPDATE LABEL***

***POLICY:***

Reimbursable within the provisions of the warranty.

***TIME ALLOWANCE:***

| Labor Operation No: | Description                         | Amount   |
|---------------------|-------------------------------------|----------|
| 08-19-41-92         | Reprogram Powertrain Control Module | 0.5 Hrs. |

***FAILURE CODE:***

|    |              |
|----|--------------|
| FM | Flash Module |
|----|--------------|