

# Technical Service Bulletin

**NUMBER:** 18-012-02

**GROUP:** Vehicle  
Performance

**DATE:** February 25, 2002

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**THIS BULLETIN IS BEING PROVIDED IN ADVANCE. THE MDS2 MUST BE OPERATING WITH CIS CD2103 OR HIGHER, AVAILABLE MARCH 18, 2002.**

**SUBJECT:**

Flash: Cold Start RPM Flare

**OVERVIEW:**

This bulletin involves selectively erasing and reprogramming the JTEC Powertrain Control Module (PCM) with new software (99Cal20A and 00Cal20A).

**MODELS:**

1999 - 2000 (WJ) Jeep Grand Cherokee

**NOTE: THIS BULLETIN APPLIES TO 1999 (WJ) JEEP GRAND CHEROKEES EQUIPPED WITH A 4.7L ENGINE AND CALIBRATION LEVEL PRIOR TO (LESS OR LOWER THAN) THOSE LISTED IN THE OVERVIEW ABOVE.**

**SYMPTOM/CONDITION:**

The customer may complain that the engine rpm's flare up when the engine is started.

**PARTS REQUIRED:**

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

**EQUIPMENT REQUIRED:**

|             |  |
|-------------|--|
| CH6000      | Scan Tool (DRB III®)                       |
| CH7035      | General Purpose Interface Bus Cable (GPIB) |
| CH7000/7001 | J1962 Cable                                |
|             | MDS2 (Mopar Diagnostic System)             |

**REPAIR PROCEDURE:**

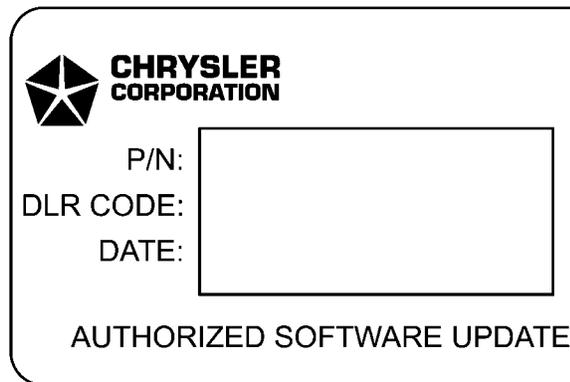
1. Flash the controller using the MDS2 (Mopar Diagnostic System) and DRBIII®.

**NOTE: DUE TO THE PCM REPROGRAMMING PROCEDURE, A DTC MAY BE SET IN OTHER MODULES (EATX, 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.**

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

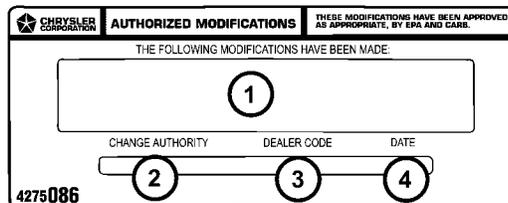


The image shows a rectangular label with rounded corners. In the top left corner is the Chrysler Corporation logo (a pentastar) and the text "CHRYSLER CORPORATION". Below the logo, there are three labels: "P/N:", "DLR CODE:", and "DATE:". To the right of these labels is a large empty rectangular box for entering information. At the bottom of the label, the text "AUTHORIZED SOFTWARE UPDATE" is printed.

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**Fig. 1 AUTHORIZED SOFTWARE UPDATE LABEL**

3. Type the necessary information on the "Authorized Modification Label" p/n 04275086 and attach the label near the VECI label (Fig. 2).



The image shows a rectangular label with a header section. The header contains the Chrysler Corporation logo, the text "AUTHORIZED MODIFICATIONS", and a small box with the text "THESE MODIFICATIONS HAVE BEEN APPROVED AS APPROPRIATE, BY EPA AND CARB." Below the header, there is a large empty rectangular box labeled "1" with the text "THE FOLLOWING MODIFICATIONS HAVE BEEN MADE." below it. Below this box are three smaller boxes labeled "2", "3", and "4" with the text "CHANGE AUTHORITY", "DEALER CODE", and "DATE" above them respectively. In the bottom left corner, the part number "4275086" is printed.

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**Fig. 2 AUTHORIZED MODIFICATION LABEL**

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

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

| <b>Labor Operation No:</b> | <b>Description</b>                  | <b>Amount</b> |
|----------------------------|-------------------------------------|---------------|
| 08-19-40-94                | Reprogram Powertrain Control Module | 0.5 Hrs.      |

**FAILURE CODE:**

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