



NUMBER: 18-017-01 REV. A

GROUP: Vehicle
Performance

DATE: Dec. 7, 2001

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THIS BULLETIN IS BEING PROVIDED IN ADVANCE. DO NOT PERFORM ANY ACTIONS RELATED TO THIS BULLETIN UNTIL DECEMBER 24, 2001. THE MDS2 MUST BE OPERATING WITH CIS CD2098 OR HIGHER.

THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 18-017-01, DATED JULY 20, 2001, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** WHICH INCLUDE CHANGES TO THE SYMPTOMS AND REVISED SOFTWARE.**

SUBJECT:

Engine Idle Undershoot/Performance

OVERVIEW:

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

MODELS:

2000 - 2001 (PL) Neon

SYMPTOM/CONDITION:

Some vehicles may exhibit one or more of the following symptoms:

- ** In ambient conditions typically below 16° C. (60° F.) the engine may undershoot the normal idle speed when braking the vehicle to a stop (clutch depressed on manual transmission equipped vehicles).**
- Engine roughness immediately after manually switching the A/C system "Off". Normal operation returns after a wide open throttle (WOT) occurrence or after engine restart.
- **In ambient conditions between 10° and 20° C. (50° and 70° F.) the engine may undershoot the normal idle speed at cold start gear engagement (2000 M.Y. with automatic transmission).**

NOTE: **THE SOFTWARE PROVIDED WITH THIS BULLETIN ALSO INCLUDES THE SOFTWARE PROVIDED WITH TECHNICAL SERVICE BULLETIN 18-019-00 DATED OCTOBER 6, 2000.**

DIAGNOSIS PROCEDURES:

If Diagnostic Trouble Codes (DTC's) are present, record them on the repair order and repair as necessary before proceeding further with this bulletin. If the condition(s) can be duplicated or are described by the customer, perform the Repair Procedure.

PARTS REQUIRED:

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

EQUIPMENT REQUIRED:

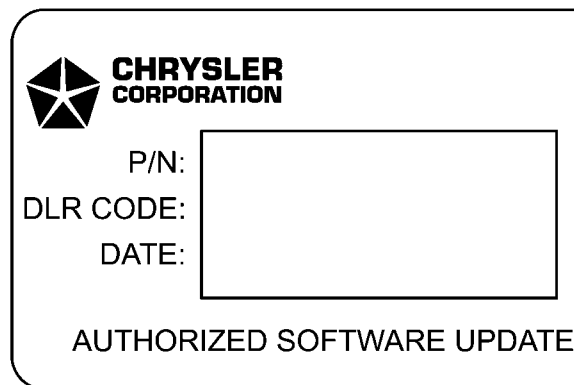
CH6000	Scan Tool (DRB III®)
CH7035	General Purpose Interface Bus Cable (GPIB)
CH7000/7001	J1962 Cable
	MDS2 (Mopar Diagnostic System)

REPAIR PROCEDURE:

Reprogram the PCM using the MDS2 (Mopar Diagnostic System) and DRBIII® (Scan Tool).

NOTE: THE FOLLOWING STEPS ARE REQUIRED BY LAW.

1. 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.

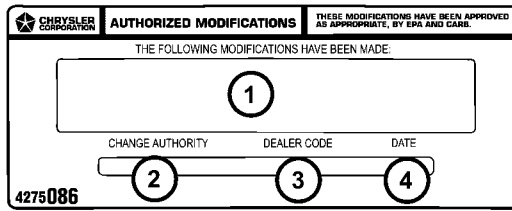


The image shows a rectangular label form with rounded corners. In the top left corner is the Chrysler Corporation logo, a pentastar, followed by the text "CHRYSLER CORPORATION". Below the logo, there are three lines of text: "P/N:", "DLR CODE:", and "DATE:". To the right of these labels is a large rectangular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

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Fig. 1 AUTHORIZED SOFTWARE UPDATE LABEL

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



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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:

Labor Operation No:	Description	Amount
08-19-49-97	Reprogram PCM	0.5 Hrs.

FAILURE CODE:

FM	Flash Module
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