



NUMBER: 18-004-08 REV. A

GROUP: Vehicle Performance

DATE: March 5, 2008

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THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 18-004-08, DATED JANUARY 19, 2008 WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDES THE ADDITION OF 2007 MODEL YEAR AND A ADDITIONAL DIAGNOSTIC TROUBLE CODE.**

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

StarSCAN® SOFTWARE LEVEL MUST BE AT RELEASE 8.04 OR HIGHER FOR THIS BULLETIN.

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

SUBJECT:

FLASH: Mill Illumination P0430 - Catalyst System Efficiency Below Threshold (Bank 2) Or ****P0420 - Catalyst System Efficiency Below Threshold (Bank 1)****

OVERVIEW:

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

MODELS:

2007 - 2008 (WK)	Grand Cherokee
2007 - 2008 (WH)	Grand Cherokee (International Markets)
2007 - 2008 (XK)	Commander
2007 - 2008 (XH)	Commander (International Markets)

NOTE: This bulletin applies to vehicles built with a 5.7L engine (sales code EZB) built before January 8, 2008 (0108XXMDH).

SYMPTOM/CONDITION:

Some vehicle's may experience MIL illumination for P0430 - Catalyst System Efficiency Below Threshold (Bank 2) or ****P0420 - Catalyst System Efficiency Below Threshold (Bank 1)****. Noise on the 2/2 ****or 1/2**** O2 sensor signal wire may cause the DTC to set incorrectly.



Stick with the Specialists™

The new software will use an electronic filter to ignore the noise on the 2/2 **or 1/2** O2 sensor signal.

DIAGNOSIS:

Verify there are no gross leaks in the exhaust system. 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 other than the one listed above record them on the repair order and repair as necessary before proceeding further with this bulletin.

If no other DTC's are present and no exhaust leak exists, 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
CH9404D	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:

1. Reprogram the PCM with the latest software. Follow the detailed service procedures available in DealerCONNECT/TECHCONNECT, Refer To 8 - Electrical/Electronic Control Modules/Powertrain Control Module - Standard Procedure PCM/ECM Programming - Gas.
2. Type the necessary information on the "Authorized Modification Label" p/n 04275086AB and attach it near the VECI label.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
18-19-06-B2	Module, Powertrain Control (PCM) - Reprogram (B)	0.4 Hrs.

FAILURE CODE:

ZZ	Service Action
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