



**NUMBER:** 18-002-13

**GROUP:** Vehicle Performance

**DATE:** January 15, 2013

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**HELP USING THE wiTECH DIAGNOSTIC APPLICATION FOR FLASHING AN ECU IS AVAILABLE BY SELECTING "HELP" THEN "HELP CONTENTS" AT THE TOP OF THE wiTECH DIAGNOSTIC APPLICATION WINDOW.**

**THE wiTECH SOFTWARE LEVEL MUST BE AT RELEASE 13.02 OR HIGHER TO PERFORM THIS PROCEDURE.**

**SUBJECT:**

Flash: MIL Illumination P000B, P050B and/or P2173. Includes Driveability/Transmission Enhancements

**OVERVIEW:**

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

**MODELS:**

2012 - 2013 (PF) Dart

**NOTE: This bulletin applies to vehicles equipped with a 2.0L engine (sales code ECK) built before December 21, 2012 (MDH 122118).**

**SYMPTOM/CONDITION:**

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find that any of the following Diagnostic Trouble Codes (DTC's) have been set:

- P000B- Exhaust Slow Response Bank 1
- P050B- Cold Start Ignition Timing Performance
- P2173- High Airflow/Vacuum Leak Detected (Slow Accumulation)

**Driveability and Transmission Enhancements** are also included with this software release. These changes include the following:

- Engine idles rough after an overnight soak but clears up as the engine warms up
- Improved garage shift feel and quality
- Improved extended idle evap purge strategy
- Reduced visible steam from under hood when idling in cool, damp conditions

Updating the software will correct the conditions listed above.

**DIAGNOSIS:**

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If DTC's other than the ones listed above are present, record them on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition or if the technician finds any of the DTCs, perform the Repair Procedure.

**PARTS REQUIRED:**

Qty.	Part No.	Description
1	04275086AD	Label, Authorized Modification

**REPAIR PROCEDURE:**

**NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the flash process.**

**NOTE: If this flash process is interrupted/aborted, the flash should be restarted.**

1. Reprogram the PCM with the latest software. Follow the detailed service procedures available in DealerCONNECT/TechCONNECT, Refer To Group 8 - Electrical > Electronic Control Modules - Service Information > Module - Powertrain Control > Standard Procedures > PCM/ECM Programming.
2. **After PCM reprogramming, the following must be performed:** clear any DTC's that may have been set in other modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow the tech to clear them.
3. Type the necessary information on the "Authorized Modification Label" 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-T3	Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled)	0.3 Hrs.

**FAILURE CODE:**

FM	Flash Module
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