



**NUMBER:** 18-040-11

**GROUP:** Vehicle Performance

**DATE:** August 12, 2011

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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 12.01 OR HIGHER TO PERFORM THIS PROCEDURE.**

***SUBJECT:***

Flash: MIL Illumination And/Or Bump Jerk Feeling

***OVERVIEW:***

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

***MODELS:***

2008 - 2010	(MK)	Compass/Patriot (Mexico Markets Only)
2008 - 2010	(PM)	Caliber (Mexico Markets Only)

**NOTE: This bulletin applies to vehicles equipped with a 1.8L, 2.0L or 2.4L engine (sales code EBA or ECN or ED3) with export emissions (sales code NA1).**

***SYMPTOM/CONDITION:***

The customer may experience a MIL illumination. Upon further investigation the Technician may find Diagnostic Trouble Code (DTC) P0129 - Barometric Pressure Out Of Range Low active or stored. **1.8L, 2.0L or 2.4L engines**

The customer could also report a firm brake pedal feel. This condition could happen if the vehicle is started at altitudes of 3000 meters (9000 feet) or higher. The software was changed to equalize manifold pressure while cranking the engine during these conditions. **1.8L, 2.0L or 2.4L engines**

The customer could also report a bump or jerking feeling under the following conditions for **2.0L or 2.4L engines with an automatic transmission:**

- I. Vehicle is traveling between 25 MPH (40 KPH) to 30 MPH (48 KPH) and the driver lifts their foot of the accelerator pedal. The condition could happen again as the vehicle slows down to 15 MPH (24 KPH) with the no accelerator input a second bump may be felt.
- II. Vehicle coasting between 3 MPH (4 KPH) and 15 MPH (24 KPH) with no accelerator

pedal input and the driver steps on the accelerator pedal a bump or jerking feeling may be felt.

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 and transmission 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 the above condition is present, perform the Repair Procedure.

**PARTS REQUIRED:**

Qty.	Part No.	Description
1	04275086AB	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 Programming. **After reprogramming, the following must be performed:**
  - a. 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.
2. 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-M6	Module, Powertrain Control (PCM) - Reprogram (C)	0.2 Hrs.

**FAILURE CODE:**

FM	Flash Module
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