SERVICE BULLETIN

NUMBER: 18-083-16

GROUP: Vehicle Performance

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-017-12, DATED JUNE 01, 2012, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS AND INCLUDES AN ADDITIONAL DIAGNOSTIC TROUBLE CODE, SOFTWARE ENHANCEMENTS, VEHICLE INFORMATION UPDATES TO THE 2012 MY PM VEHICLES AND NEW LOP.**

FOR HELP WITH USING wiTECH FOR ECU FLASH REPROGRAMMING, CLICK ON THE APPLICATION'S "HELP" TAB.

THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:
Flash: Powertrain Diagnostic and System Improvements

OVERVIEW:
This bulletin involves reprogramming the Powertrain Control Module (PCM) with the latest available software.

MODELS:

2011 - 2012	(PM)	Dodge Caliber
2011 - 2012	(MK)	Jeep Compass/Patriot

NOTE: This bulletin applies to vehicles equipped with a 2.0L I4 DOHC 16V DUAL VVT Engine (Sales Codes ECN) or a 2.4L I4 DOHC 16V DUAL VVT Engine (Sales Code ED3).

SYMPTOM/CONDITION:
Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the following Diagnostic Trouble Code (DTC) has been set:

- **U0140 - Lost Communication With Body Control Module (TIPM). (2012 PM vehicle).

The following software enhancements are also available:

- Cruise control enhancements. (2012 PM vehicle).**
- Improvement to reduce a long crank time when temperatures are between -17°C (0° F) and 10°C (50° F) after an 8 hour soak time (Sales Code ECN).

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If DTCs other than the one listed 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 the DTC, perform the Repair Procedure.

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 available software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
**18-19-06-LB	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair And Performance	0.2 Hrs.**

NOTE: The expected completion time for the flash download portion of this procedure is approximately 2 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

The dealer must choose which failure code to use. If the customer came in with an issue and if the dealer finds a software update to correct that issue, use failure code CC, for all other use failure code RF.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- If an available flash is completed while addressing a different customer concern, failure code RF is to be used.

CC	Customer Concern
RF	Routine Flash