



NUMBER: 18-050-16

GROUP: Vehicle Performance

DATE: April 27, 2016

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-099-15, DATED DECEMBER 04, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE UPDATED SYMPTOM CONDITIONS AND LABOR OPERATION.**

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

MODELS:

2013	(JS)	Chrysler 200
2013	(RT)	Dodge Grand Caravan
2013	(RT)	Chrysler Town & Country
2013	(JC)	Dodge Journey

NOTE: This bulletin applies to vehicles equipped with a 3.6L engine (Sales Code ERB).

NOTE: This bulletin also applies to JC & JS vehicles equipped with a 2.4L engine (Sales Code ED3 or EDG).

SYMPTOM/CONDITION:

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find one or more of the following Diagnostic Trouble Codes (DTCs) set in the PCM:

****JC Vehicles 3.6L:**

- P0335 - Crankshaft Position Sensor Circuit.
- P2610 - PCM Internal Engine Off Timer Performance.
- U0140 - Lost Communication With Body Control Module (BCM).
- P0456 - Evap System Small Leak.**

JC Vehicles 2.4L:

- P0456 - Evap System Small Leak.

JS Vehicles:

- P0456 - Evap System Small Leak.

RT Vehicles:

- U0140 - Lost Communication With Body Control Module (BCM).
- P0456 - Evap System Small Leak.

The following transmission enhancements are also included in this software update:

- Garage shift engagements into D may be harsh at times after shutdowns of 10-30 minute duration.
- 5/6 Upshift timing adjusted to improve top speed performance (markets where speeds in excess of 161 kph (100 mph) are permitted).

NOTE: The Transmission Enhancements only apply to vehicles equipped with the 3.6L engine (sales code ERB).

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If DTCs other than the one 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 listed above 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 software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab
2. Clear any DTCs that may have been set in other modules 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-HN	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 4 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