SERVICE BULLETIN

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GROUP: Vehicle Performance

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THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 18-031-15, DATED APRIL 15, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS THAT ARE HIGHLIGHTED WITH **ASTERISKS INCLUDE ADDITIONAL DTCs, SYMPTOM CONDITION IMPROVEMENT FOR THE 2.4L ENGINE AND LABOR OP.**

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

SUBJECT:
Flash: 2.4L, 3.6L Powertrain System Improvements/Enhancements

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

MODELS:

2014	(JC)	Dodge Journey

NOTE: This bulletin applies to vehicles equipped with the following:

- **2.4L engine (sales code ED3 or ED7) equipped with either a 4 speed automatic transmission (sales code DFF) or 6 speed automatic transmission (sales code DG2).**
- **3.6L engine (sales code ERB) equipped with a 6 speed automatic transmission (sales code DG2).**

SYMPTOM/CONDITION:
The following powertrain system improvements/enhancements are included in this software release:

Vehicles equipped with a 2.4L engine (sales code ED3 or ED7).

- **U0140 - Lost Communication With Body Control Module. Attempting to clear the DTC may be unsuccessful.
- P0456 - Evap purge system small leak.
- 2-1 downshift improvement.**
- Charging system duty cycle enhancement to improve starting performance in low ambient temperatures.
- P219A - Bank 1 Air-Fuel Ratio Imbalance.
- Enhanced Automatic Oil Change Indicator (EAOCI) system enhancements that force the use of the severe duty cycle algorithm anytime the PCM is replaced. The vehicle duty cycle information used in the EAOCI calculation is stored in the PCM and cannot be recovered/transferred when the controller is replaced. As a result, the severe duty cycle is used in these scenarios to ensure the customer receives a timely oil change required message.
- Mode 6 data accuracy enhancement for generic scan tools.

Vehicles equipped with a 3.6L engine (sales code ERB).

- U0140 - Lost Communication With Body Control Module. Attempting to clear the DTC may be unsuccessful.
- Enhanced Automatic Oil Change Indicator (EAOCI) system enhancements that force the use of the severe duty cycle algorithm anytime the PCM is replaced. The vehicle duty cycle information used in the EAOCI calculation is stored in the PCM and cannot be recovered/transferred when the controller is replaced. As a result, the severe duty cycle is used in these scenarios to ensure the customer receives a timely oil change required message.
- Mode 6 data accuracy enhancement for generic scan tools.

DIAGNOSIS:
Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all vehicle systems are functioning as designed. If DTCs 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 above or the tech finds any of the DTCs set, 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 modules using the wiTECH Diagnostic Application are available by selecting the “HELP” tab on the upper portion of the wiTECH window, then “HELP CONTENTS.” This will open the Welcome to wiTECH Help screen where help topics can be selected.

NOTE: After PCM reprogramming, the following must be performed:

2. Clear any DTCs that may have been set in any 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-FV	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	8 - Engine 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 the dealer found updated software 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