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GROUP: Vehicle Performance

DATE: March 03, 2017

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-049-16 REV. B, DATED NOVEMBER 22, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS AND INCLUDE ADDITION OF DIAGNOSTIC TROUBLE CODE (DTC) FOR 3.0L AND 3.6L ENGINES, UPDATED BUILD DATES AND 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 Enhancements

OVERVIEW:

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

MODELS:

2016 - 2017 (WK)	Jeep Grand Cherokee
2016 - 2017 (WD)	Dodge Durango

**NOTE: This bulletin applies to vehicles within the following markets/countries:
NAFTA, LATAM, APAC and EMEA.**

NOTE: This bulletin applies to WK vehicles built on or after March 30, 2016 (MDH 0330XX) and on or before **January 25, 2017 (MDH 0125XX) equipped with 3.0L V6 24V VVT Engine I W/ESS (Sales Codes EHW).**

NOTE: This bulletin applies to WK vehicles built on or after March 14, 2016 (MDH 0314XX) and on or before **January 25, 2017 (MDH 0125XX) equipped with 3.6L V6 24V VVT Engine I W/ESS (Sales Codes ERC).**

NOTE: This bulletin applies to WK vehicles built on or after March 30, 2016 (MDH 0330XX) and on or before September 30, 2016 (MDH 0930XX) equipped with 5.7L V8 MDS VVT ENGINE (Sales Code EZH).

NOTE: This bulletin applies to WD vehicles built on or after March 30, 2016 (MDH 0330XX) and on or before **January 25, 2017 (MDH 0125XX)** equipped with 3.6L V6 24V VVT Engine I W/ESS (Sales Codes ERC).

NOTE: This bulletin applies to WD vehicles built on or after March 30, 2016 (MDH 0330XX) and on or before September 30, 2016 (MDH 0930XX) equipped with 5.7L V8 MDS VVT ENGINE (Sales Code EZH).

SYMPTOM/CONDITION:

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following DTCs set in the PCM memory:

- **U1424 - Implausible Engine Torque Signal Received (2017 MY 3.0L and 3.6L Only).**
- P2681 - Engine Coolant Bypass Valve Control Circuit Open (3.6L Only).
- P0335 - Crankshaft Position Sensor Circuit.
- P2299-00 - Brake Pedal Position/Accelerator Pedal Position Incompatible.
- B23C3 - Stop/Start Disable Switch 1/2 Correlation (3.0L and 3.6L Only).

In addition, customers may experience the following conditions:

- A shorter auxiliary battery life.
- An illuminated Automatic Oil Change Indication (AOCI) light (3.6L Only).

Other enhancements included in this update:

- Improved knock sensor performance.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition listed above, 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 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-QM	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 5 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