



NUMBER: 18-046-17

GROUP: Vehicle Performance

DATE: May 10, 2017

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-090-16 REV. A, DATED JULY 23, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDES ADDITIONAL SOFTWARE ENHANCEMENTS, LOP AND UPDATED FAILURE CODE STATEMENT.**

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: Powertrain Diagnostic and System Enhancements

OVERVIEW:

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

MODELS:

2016 (WK) Jeep Grand Cherokee

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

NOTE: This bulletin applies to vehicles equipped with a 6.4L V8 SRT Hemi MDS Engine (Sales Code ESG) with an 8-SPD Auto 8HP70 Transmission (Sales Code DFK).

SYMPTOM/CONDITION:

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 memory:

- P0122 - Throttle Position Sensor 1 Circuit Low.
- P0123 - Throttle Position Sensor 1 Circuit High.
- P0222 - Throttle Position Sensor 2 Circuit Low.
- P0223 - Throttle Position Sensor 2 Circuit High.
- P0335 - Crankshaft Position Sensor Circuit.
- P0339 - Crankshaft Position Sensor Intermittent.
- P0441 - EVAP Purge System Performance.
- P0455 - EVAP System Large Leak.
- P2299 - Brake Pedal Position/Accelerator Pedal Position Incompatible.
- P2610 - PCM Internal Engine Off Timer Performance.
- U1424 - Implausible Engine Torque Signal Received.

The following software enhancements are also available:

- **Calibration update to allow the throttle body to be cycled while the engine is off, for diagnostic purposes.
- Tip in spark improvement to change from 56 kph to 16 kph (35 mph to 10 mph). To help prevent spark knock.**
- Calibration to prevent engine stall after -35 °C (-31 °F) cold start/drive.

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 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/conditions 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 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-RN	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 use failure code CC with this Service Bulletin.**

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Service Bulletin flash/reprogramming conditions.**

CC	Customer Concern
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