



NUMBER: 18-098-16

GROUP: Vehicle Performance

DATE: September 02, 2016

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-036-15 REV. A, DATED OCTOBER 20, 2015, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE ADDITIONAL SYMPTOMS/CONDITIONS.**

NOTE: **WK (Jeep Grand Cherokee) SYMPTOMS/CONDITIONS** that are related to this Bulletin are included within the RC-S27-16 Recall. Please verify that the Powertrain Control Module (PCM) part number is up to date by following the S27 service action.********

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 PCM with the latest available software.

MODELS:

2015 (WK) Jeep Grand Cherokee

NOTE: This bulletin applies to vehicles equipped with 6.4L V8 SRT Hemi MDS Engine (Sales Code ESG).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the following Diagnostic Trouble Codes (DTCs) have been set:

- **P1115 - General Temperature Rationality.
- P0441 - EVAP Purge System Performance.
- P0456 - EVAP System Small Leak.
- P030X - Cylinder x Misfire Detection.
- P0335 - Crankshaft Position Sensor Circuit.
- 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.
- P2299 - Brake Pedal Position/Accelerator Pedal Position Incompatible.
- P2172 - High Airflow/Vacuum Leak Detected (Instantaneous Accumulation).
- P2610 - PCM Internal Engine Off Timer Performance.**
- P0300 - Multiple Cylinder Misfire.
- P2096 - Downstream Fuel Trim System 1 Lean.
- P2097 - Downstream Fuel Trim System 1 Rich.
- P2098 - Downstream Fuel Trim System 2 Lean.
- P2099 - Downstream Fuel Trim System 2 Rich.
- P0513 - Invalid Skim Key - May set when pressing the remote start button on the Frequency Operated Button/Integrated Key (FOBIK) and Keyless Ignition Node (KIN) at the same time.

Customers may also experience one or more of the following conditions:

- Unable to obtain top vehicle speed during aggressive Wide Open Throttle (WOT) operation due to false spark knock/detonation detection.
- Less than desired engine performance on cold start.

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POLICY:

Information Only.