



**NUMBER:** 18-055-16 REV. A

**GROUP:** Vehicle Performance

**DATE:** July 21, 2016

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**THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-055-16 DATED MAY 07, 2016, 18-096-15 DATED NOVEMBER 26, 2015 AND SERVICE BULLETIN 18-056-16 DATED MAY 07, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\*** AND INCLUDES ADDITIONAL MODEL YEARS, DIAGNOSTIC TROUBLE CODES (DTCS), NEW SYMPTOMS/CONDITIONS AND LOP.**

**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 Improvements

***OVERVIEW:***

This bulletin involves reprogramming the PCM with the latest available software.

***MODELS:***

2014	(WK)	Jeep Grand Cherokee
<b>**2014**</b>	- (WD)	Dodge Durango
2015		

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

**NOTE: This bulletin applies to vehicles equipped with a 3.0L V6 24V VVT Engine (Sales Code EHD) or 3.6L V6 24V VVT Engine (Sales Code ERB) or 5.7L V8 Hemi MDS VVT Engine (Sales Code EZH).**

***SYMPTOM/CONDITION:***

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

- \*\*P0335 - Crankshaft Position Sensor Circuit.
- P0456 - Evaporative System Small Leak (**applies to 2014 MY only**).
- P2299 - Brake Pedal Position/Accelerator Pedal Position Incompatible (**applies to 2015 MY only**).\*\*
- P0456 - EVAP System Small Leak.
- P0301 - Cylinder 1 Misfire.
- P0302 - Cylinder 2 Misfire.
- P0303 - Cylinder 3 Misfire.
- P0304 - Cylinder 4 Misfire.
- P0305 - Cylinder 5 Misfire.
- P0306 - Cylinder 6 Misfire
- P0300 - Multiple Cylinder Misfire.
- P0513 - Invalid SKIM Key.

***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 or if the technician finds the DTCs, 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 allows them to be cleared.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
**18-19-06-KU	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 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