



NUMBER: 18-021-16 REV. B

GROUP: Vehicle Performance

DATE: July 20, 2016

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-021-16 REV. A, DATED JULY 08, 2016, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE REVISING BULLETIN TO BECOME AN RRT AND ADDITIONAL BUILD DATES FOR 3.6L, DIAGNOSTIC TROUBLE CODE (DTC) AND LOP.**

THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 16-071. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN's HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.

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 (JK) Jeep Wrangler

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

NOTE: **The RRT portion of this bulletin applies to vehicles built on or after February 15, 2016 (MDH 0215XX) and on or before June 25, 2016 (MDH 0625XX) equipped with a 3.6L engine (Sales Code ERB) equipped with a 5-Speed Automatic W5A580 Transmission (Sales Code DGJ).******

NOTE: This bulletin applies to vehicles built on or before July 07, 2016 (MDH 0707XX) equipped with a 3.0L engine (Sales Code EHD) or a 3.6L engine (Sales Code ERB).

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:

- ****P0305 - Cylinder 5 Misfire.****
- P0300 - Multiple Cylinder Misfire.
- P0335 - Crankshaft Position Sensor Circuit.
- P0306 - Cylinder 6 Misfire.

The following enhancements are also included in this software update:

- Cruise control calibration improvement.
- Improved engine misfire calibration on automatic transmission vehicles.

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/condition 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 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-LN	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 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 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