SERVICE BULLETIN

NUMBER: 18-122-16

GROUP: Vehicle Performance

DATE: November 24, 2016

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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 Powertrain Control Module (PCM) with the latest available software.

MODELS:

2016	(K4)	Jeep Cherokee (China)

NOTE: This bulletin applies to vehicles within the following markets/countries: APAC (China Market).

NOTE: This bulletin applies to vehicles equipped with a 2.4L Engine with ESS (Sales Code EDD), 9 Speed Automatic Transmission (Sales Code DFH), 3.73 Final Drive Ratio (Sales Code DME), Export Emissions (Sales Code NA1) and Active Grille Shutters (Sales Code MDX).

SYMPTOM/CONDITION:
Some customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following DTCs:

- P1066 - Cylinder 1 Oil Supply Solenoid Valve Switch Off Time Out Of Range.
- P1068 - Cylinder 2 Oil Supply Solenoid Valve Switch Off Time Out Of Range.
- P106A - Cylinder 3 Oil Supply Solenoid Valve Switch Off Time Out Of Range.
- P106C - Cylinder 4 Oil Supply Solenoid Valve Switch Off Time Out Of Range.
- P1185 - General Pressure Sensor Correlation.
- P0128 - Thermostat Rationality Error.
- C0501, C0507, C050D, C0513 - Wheel Speed Sensor Rationality Errors.

In addition, customers may experience one of the following conditions:

- Less than desired idle performance.
- Intermittent elevated engine RPM at start up.

In addition, the following software enhancement is available:

- Min spark changes to prevent catalytic converter overheating.

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 one listed above is 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: The Transmission Control Module (TCM) must be updated to the latest available software at the conclusion of this repair procedure. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the TCM software.

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.
3. Verify the TCM is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the TCM software.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-06-9B	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 4 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