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GROUP: Vehicle Performance

DATE: November 06, 2015

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-065-14, DATED NOVEMBER 21, 2014, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE A REVISED SUBJECT INFORMATION, ADDITIONAL MODEL YEAR, UPDATED MARKET INFORMATION, UPDATED BUILD DATE, ADDITIONAL ENGINE, REMOVAL OF THE MANUAL TRANSMISSION SALES CODE, UPDATED SYMPTOM/CONDITION LIST, AND NEW LOP.**

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: 1.6L and 2.0L Diagnostic And System Enhancements

OVERVIEW:

This bulletin involves upgrading the software in the Engine Control Module (ECM).

MODELS:

2015 - ****2016**** (BU) Jeep Renegade (International Only)

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

NOTE: This bulletin applies to vehicles built **on or before October 02, 2015 (MDH 1002XX)** equipped with the 1.6.L I4 ECO Turbo Diesel Engine (Sales Code EJK)****** and 2.0L I4 Turbo Diesel Engine (Sales Code EBT).**

SYMPTOM/CONDITION:

A small number of 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 ECM memory.

- ****P112C-00 Lambda Sensor Downstream Signal Plausibility Check.****
- **P1451-00 Diesel Particulate Filter Efficiency Result.**

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If DTCs other than those listed above are present, record them on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes a symptom/condition listed above or if the technician finds a 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 charger voltage to climb above 13.5 volts during the flash process.

NOTE: It is highly recommended that a Wired Ethernet or USB connection be used between the device (micro POD) and the WiTech PC / laptop.

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

1. Reprogram the Engine Control Module (ECM) with the latest software.
2. Turn off the ignition, disconnect the wiTECH, open and close the driver's door and let all modules go to sleep.
3. Reconnect the wiTECH and clear any DTCs that may have been set in other modules due to reprogramming.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-04-DL	Update Module - Reprogram Engine Control Module (ECM) (1-Semi-Skilled)	10- Diesel	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