



**NUMBER:** 18-030-20

**GROUP:** 18 - Vehicle Performance

**DATE:** March 31, 2020

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**This bulletin supersedes Service Bulletin 18-031-18 REV. A, Dated August 8, 2018, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include a Diagnostic Trouble Code (DTC) and LOP.**

**SUBJECT:**

Flash: Powertrain Diagnostic and System Updates

**OVERVIEW:**

This bulletin involves reprogramming the Powertrain Control Module (PCM) with the latest available software.

**MODELS:**

2015 - 2018 (BU) Jeep Renegade

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

**NOTE:** This bulletin applies to vehicles equipped with 1.6L I4 B Eco Turbo Diesel Eng (Sales Codes EJK or EJJ).

**NOTE:** This bulletin applies to vehicles built on or before June 26, 2018 (MDH 0626XX) equipped with a 2.0L I4 Turbo Diesel Engine (Sales Code EBT).

**SYMPTOMS/CONDITIONS:**

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following DTCs have been set:

- **\*\*P0238-00 - Positive Boost Pressure Governor Deviation Low Pressure Signal Calculation Failure (Sales Codes EKJ and EJJ).\*\***
- P1451-00 - Diesel Particulate Filter System Performance.
- P112C-00 - Lambda Sensor Downstream Signal Plausibility Check.

Customers may experience the following:

- Jerking type feeling at low RPM and/or when the transmission changes gears **(Sales Code EBT Only)**.
- Irregular idle in cold weather conditions **(2017 MY Sales Code EJJ Only)**.
- Heated seats do not reactivate after a Stop/Start cycle of the engine.

**DIAGNOSIS:**

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If Diagnostic Trouble Codes (DTCs) are present, record them 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 any DTCs that may have been set in all modules 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
**18-19-04-KM	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 use failure code CC with this Service Bulletin.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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