# SERVICE BULLETIN

**NUMBER:** 18-088-17

**GROUP:** 18 - Vehicle Performance

**DATE:** October 5, 2017



**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:***

| | | |
|---|---|---|
| 2015 - 2016 | (BU) | Jeep Renegade |

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

**NOTE: This bulletin applies to vehicles equipped with a 1.4L I4 Multiair Turbo Engine (Sales Code EAM).**

***SYMPTOM/CONDITION:***
Customers may experience a ticking noise coming from the top of the engine area. The ticking noise is heard particularly at idle.

***DIAGNOSIS:***
Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If Diagnostic Trouble Codes (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, 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.**

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

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.

**NOTE: Follow all screen prompts that apply to the vehicle.**

2. Is the vehicle equipped with a manual transmission?
   - YES >>> Fully depress the clutch pedal and then release it. Press "OK" to continue.
   - NO >>> Press "OK" to continue.
3. Is the vehicle equipped with cruise control?
   - YES >>> Depress cruise "On/Off" switch until the cruise indicator in the Instrument Panel Cluster (IPC) illuminates, then Press "OK" to continue.
   - NO >>> Press "OK" to continue.
4. 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.
5. 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-TP | Module, Powertrain Control (PCM) - Reprogram (0 - Introduction) | 1 Engine Repair and Performance | 0.3 Hrs. |

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 6 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 |