



**NUMBER:** 18-092-19

**GROUP:** 18 - Vehicle Performance

**DATE:** November 6, 2019

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**This bulletin supersedes Service Bulletin 18-041-18 REV. B, dated October 16, 2018, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include additional Diagnostic Trouble Codes (DTCs) and LOP.**

**This Service Bulletin is also being released as Rapid Response Transmittal (RRT) 18-054. All applicable Sold and Un-Sold RRT VINs have been loaded. To verify this RRT service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty.**

***SUBJECT:***

Flash: Powertrain Control Module (PCM) Updates

***OVERVIEW:***

This bulletin involves reprogramming the PCM with the latest available software.

***MODELS:***

2018 (JL) Jeep Wrangler

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

**NOTE: This bulletin applies to vehicles equipped with a 3.6L V6 24V VVT Engine Up Grade I W/ESS (Sales Code ERC).**

***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):**

- P06EF - Engine Restart Performance.
- P0456 - EVAP System Small Leak.

**NOTE: If DTC P0456 is present use the wiTECH Small Leak Verification test (SLVT) to determine if a leak is present in the system.\*\***

Customers may experience one or more of the following:

- Excessive blower fan noise when the A/C is on MAX output.
- Intermittent rough idle or idle surging, when coming to a stop (**Automatic transmission equipped vehicles only**).
- Random Electronic Stability Control (ESC) lamp illuminates in the Instrument Panel Cluster (IPC).
- Driving at vehicle speeds while in first gear and shifting into neutral, a message "Shift to 1st gear not allowed" message appears in the Electronic Vehicle Information Center (EVIC) when conditions are not met (**Manual transmission equipped vehicles only**).
- 3 km (2 mph) difference between cruise set speed versus actual display speed.
- During cold vehicle operation and the use of cruise control on vehicles equipped with an automatic transmission, the engine RPMs may drop below idle speed while cruise control is engaged, this may occur if the customer presses the accelerator pedal to achieve a vehicle speed greater than the cruise control speed and then releasing it.
- Radio or IPC may reboot (flash off/flash on) during an Engine Stop Start (ESS) shutdown in cold conditions with a battery temperature below -12°C (10°F).

### **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 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 a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. If any vehicle not on the VIN list exhibits the symptom/condition, perform the repair.

### **REPAIR PROCEDURE:**

**NOTE: The Anti-lock Brake System module (ABS) 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 ABS 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 ABS is programmed with the latest available software. Refer to all applicable published service bulletins for detailed repair procedures and labor times regarding updating the ABS software.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
**18-19-06-AN	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
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