



**NUMBER:** 18-053-22 REV. A

**GROUP:** 18 - Vehicle Performance

**DATE:** June 15, 2022

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**This bulletin supersedes Technical Service Bulletin 18-053-22, dated March 17, 2022, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include additional Diagnostic Trouble Codes (DTCs) and LOP.**

**This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 20-041, dated July 10, 2020. All applicable Sold and Un-Sold RSU VINs have been loaded. To verify this RSU 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. This RSU will expire 18 months after the date of issue.**

***SUBJECT:***

Flash: Powertrain Control Module (PCM) Updates

***OVERVIEW:***

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

***MODELS:***

2020 (JL) Jeep Wrangler

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

**NOTE: This bulletin applies to vehicles equipped with a 2.0L I4 DOHC DI Turbo E-torque Engine (Sales Code EC3).**

***SYMPTOM/CONDITION:***

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

- **\*\*P0335 - Crankshaft Position Sensor Circuit.**
- P0339 - Crankshaft Position Sensor Intermittent.
- P2C90 - Crankcase Ventilation System - Hose "A" Disconnected.\*\*
- P2172 - High Airflow/Vacuum Leak Detected (Instantaneous Accumulation).
- P0441 - EVAP Purge System Performance.
- P0607 - ECU Internal Performance.
- P0506 - Idle Speed Performance Lower Than Expected

***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 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 or if the technician finds the 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 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 available 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 any modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

| Labor Operation No: | Description   | Skill Category                    | Amount     |
|---------------------|---|-----------------------------------|------------|
| **18-19-06-FA       | Module, Powertrain Control (PCM)<br>- Reprogram<br>(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 Technical Service Bulletin.**

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Technical 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 Technical Service Bulletin flash/reprogramming conditions.

|    |                  |
|----|------------------|
| CC | Customer Concern |
|----|------------------|