



**NUMBER:** 18-079-22

**GROUP:** 18 - Vehicle Performance

**DATE:** April 8, 2022

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**This bulletin supersedes Technical Service Bulletin (TSB) 18-021-21, date of issue February 17, 2021, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include a new Diagnostic Trouble Code (DTC) and LOP.**

**SUBJECT:**

Flash: Powertrain Control Module (PCM) Updates

**OVERVIEW:**

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

**MODELS:**

2020 (KL) Jeep Cherokee

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

**NOTE: This bulletin applies to vehicles equipped with a 3.2L V6 24V VVT Engine W/ESS (Sales Code EHK).**

**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:

- **\*\*P1D83 - Implausible Engine Oil Temperature Signal Received.\*\***
- P2610 - PCM Internal Engine Off Timer Performance.

Customers may experience one or more of the following:

- An audible clunk after applying throttle from a coasting condition, predominantly in fifth and sixth gear while driving 48 - 72 kph (30 - 45 mph). **Software was updated to better address this condition.**
- A message on the instrument cluster stating "Speed limiter ready" after the first press of the speed limiter button and the Active Vehicle Speed Limiter (AVSL) is inoperative (**Equipped with NH2 Sales Code Only**).

**NOTE: Inform the customer after the software update that the proper operative will be when the customer presses the speed limiter button twice, a message on the instrument cluster stating "Speed limiter ready" and the AVSL feature will work correctly (Equipped with NH2 Sales Code Only).**

**DIAGNOSIS:**

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.

**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.

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 any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.
3. Using wiTECH perform a "Reset ECU" routine on the PCM. This routine can be found in Guided Diagnostics.
4. Place the ignition in the off position for a minimum of 30 seconds to complete the flash.
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-EL	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 7 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
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