



NUMBER: 18-120-22

GROUP: 18 - Vehicle Performance

DATE: June 23, 2022

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This bulletin supersedes Technical Service Bulletin (TSB) 18-101-20 REV. A, date of issue December 11, 2020, which should be removed from your files. All revisions are highlighted with **asterisks**** and include new Diagnostic Trouble Codes (DTC)s and LOP.**

SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

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

MODELS:

2021 (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.
- U0418 Implausible Data Received From Brake System Control Module.**

NOTE: DTC U0418 can be set erroneously due to a low battery (below 10 volts).

Customers may experience 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).

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.

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.

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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