



NUMBER: 18-110-20

GROUP: 18 - Vehicle Performance

DATE: December 11, 2020

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This bulletin supersedes Technical Service Bulletin (TSB) 18-012-17, date of issue February 10, 2017, which should be removed from your files. All revisions are highlighted with **asterisks**** and include additional engine option, new symptom/condition, revised Failure Code and LOP.**

SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

This bulletin involves reprogramming the Powertrain Control Module (PCM) with the latest available software.

MODELS:

2017 (KL) Jeep Cherokee

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

NOTE: This bulletin applies to vehicles equipped with 2.4L I4 MultiAir Engine (Sales Code ED6) or 2.4L I4 PZEV MultiAir Engine (Sales Code ED8).

SYMPTOM/CONDITION:

The customer 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):

- U1504 - Implausible Message Data Length Received From Steering Angle Sensor.
- P1185 - General Pressure Sensor Correlation.
- U1424-00 - Implausible Engine Torque Signal Received.
- P0101 - Mass Air Flow Sensor "A" Circuit Performance.
- P0128 - Thermostat Rationality.
- P0300 - Multiple Cylinder Misfire.
- P0301 - Cylinder 1 Misfire.
- P0302 - Cylinder 2 Misfire.
- P0303 - Cylinder 3 Misfire.
- P0304 - Cylinder 4 Misfire.

Some customers may also experience the following condition:

- ****Extended engine crank times or possibly a no start condition (South Korea only).****
- During an engine limp mode condition, the transmission remains in a fixed gear.

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 describes the symptom/condition listed above or if the technician finds DTCs, perform the Repair Procedure.

REPAIR PROCEDURE:

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.

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. 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-DP	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 5 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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