

Technical Service Bulletin (TSB)

Flash: Powertrain Control Module (PCM) Updates

REFERENCE:	TSB: 18-070-23 GROUP 18 - Vehicle Performance	Date:	June 15, 2023	REVISION:	18-019-22 REV. A
VEHICLES AFFECTED:	2020 (JL) Jeep Wrangler This bulletin applies to vehicles equipped with a 2.0L I4 DOHC DI Turbo Engine W/ESS (Sales Code EC1).			MARKET APPLICABILITY: ☒ NA ☒ SA ☒ EE ☒ MEA ☒ IAP ☒ CH	
CUSTOMER SYMPTOM:	Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that the one or more of the following Diagnostic Trouble Codes (DTCs) have been set: • **P02EE - CYLINDER 1 INJECTOR CIRCUIT PERFORMANCE. • P02EF - CYLINDER 2 INJECTOR CIRCUIT PERFORMANCE. • P02F0 - CYLINDER 3 INJECTOR CIRCUIT PERFORMANCE. • P02F1 - CYLINDER 4 INJECTOR CIRCUIT PERFORMANCE. ** • 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. The customer may also comment on the following: • "Performance Limited Service Fuel System" message in the Instrument Panel Cluster (IPC).				
CAUSE:	PCM Software.				

This bulletin supersedes Technical Service Bulletin (TSB) 18-019-22 REV. A, date of issue June 15, 2022, which should be removed from your files. All revisions are highlighted with ****asterisks**** and includes updated software for existing DTCs and LOP.

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-06-H1	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.3 Hrs.
Failure Code	CC	Customer Concern	

The dealer must use failure code CC with this Technical Service Bulletin.

- If the customer's concern matches the SYMPTOM 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.

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 the customer describes any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

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 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.

POLICY:

Reimbursable within the provisions of the warranty.

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