

Technical Service Bulletin (TSB)
Flash: Powertrain Control Module (PCM) Updates

REFERENCE:	TSB: 18-050-24 GROUP: 18 - Vehicle Performance	Date:	May 21, 2024	REVISION:	-
VEHICLES AFFECTED:	2024 (JL) Jeep Wrangler This bulletin applies to vehicles built on and before December 19, 2023 (MDH 1219XX) equipped with the 3.6L V6 VVT Engine Upgrade 1 (Sales Code ERC).	MARKET APPLICABILITY:			
		<input checked="" type="checkbox"/> NA <input type="checkbox"/> MEA <input type="checkbox"/> SA <input type="checkbox"/> IAP <input type="checkbox"/> EE <input type="checkbox"/> CH			
CUSTOMER SYMPTOM:	<p>Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs):</p> <ul style="list-style-type: none"> • P1129 - Closed Loop Fueling Not Achieved-Banks 2 Upstream. • P0158 - O2 Sensor 2/2 Circuit High. • P0152 - O2 Sensor 2/1 Circuit High. • P2504 - Charging System Output High. • P0563 - System Voltage High. <p>Customers may also comment on one or more of the following:</p> <ul style="list-style-type: none"> • Vehicle runs rough. • "Service Transmission" message on due to Clutch Slip Detection with the transfer case in neutral. • During flat tow - Transfer case mis-shift (engine running and clutch pedal up, transmission in gear). <p>Other Software Enhancements:</p> <ul style="list-style-type: none"> • Improvements to address vehicle no starts after replacing the PCM. • O2 Heater crack improvements. • OBD Software changes. 				
CAUSE:	PCM Software				

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-HX	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 available software. If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.
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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