STELLANTIS
PARTS & SERVICES

Technical Service Bulletin (TSB)

Flash: Power Inverter Module (PIM) Flash Updates

REFERENCE:	**TSB:** 08-061-25 **GROUP:** 08 - Electrical	**Date:**	March 7, 2025	**REVISION:**	–
VEHICLES AFFECTED:	**2023 (JL) Jeep Wrangler** **This bulletin applies to vehicles equipped with a 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX).**			**MARKET APPLICABILITY:** ☒ NA ☒ MEA ☒ SA ☒ IAP ☒ EE ☒ CH	
CUSTOMER SYMPTOM:	**Customers must experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician must find one or more of the following Diagnostic Trouble Code (DTC) has been set:** • P0C19-00 - Drive Motor A Torque Delivered Performance. • P1B03-00 - Resolver Signal / MCPA Rationality. **Customers may experience the following:** • Electric Vehicle (EV) system shuts down while transferring over to Internal Combustion Engine (ICE) motive power. Engine Stop Start (ESS) function will also not operate as a result of this condition.				
CAUSE:	**PIM software updates**				

REPAIR SUMMARY:

This bulletin involves reprogramming the Auxiliary Hybrid Control Processor (AHCP) also known as PIM, with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-86-BD	Processor, Hybrid Control (HCP/AHCP) - Reprogram, Includes Contactor Routine (0 - Introduction)	6 - Electrical and Body Systems	0.6 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 the symptom/condition above, perform the repair procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

REPAIR PROCEDURE:

CAUTION!

- **Before performing the software reprogramming, it is necessary to make the vehicle safe.**
- **When performing repairs that directly involve or imply possible contact with live high voltage components/systems, the technician must ensure that the power supply of the high-voltage system is disconnected throughout the operation.**
- **Only specifically trained technicians qualified to perform repairs on vehicles with high voltage systems under current national laws/regulations are authorized to work on the vehicle.**
- **Before performing any diagnostic repair work on the vehicle, carefully read and comply with the general instructions for working safely on hybrid/electric vehicles and use suitable general equipment and Personal Protective Equipment (PPE).**

NOTE: Install a battery charger to ensure sufficient battery voltage is provided during the flash process.

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

NOTE: The vehicle must not be connected to a high voltage charger when performing software updates.

1. Disable HV Battery Contactors using wiTECH - Go to the Misc Functions tab --> Select Disable HV Battery Contactors --> then follow the wiTECH prompts.
2. Reprogram the PIM 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.
3. Enable HV Battery Contactors using wiTECH - Go to the Misc Functions tab --> Select Enable HV Battery Contactors For Service--> then follow the wiTECH prompts.
4. Clear any DTCs that may have been set in any modules 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.