STELLANTIS
PARTS & SERVICES

Technical Service Bulletin (TSB)

Flash: Hybrid Control Module (HCP), Auxiliary Hybrid Control Module/Power Inverter Module (PIM) Flash Updates

REFERENCE:	**TSB:** 08-165-24 REV. A **GROUP:** 08 - Electrical	**Date:**	July 30, 2024	**REVISION:**	08-165-24
VEHICLES AFFECTED:	**2023 (BV) Jeep Renegade** **2023 (MV) Jeep Compass** **This bulletin applies to vehicles built on and after September 01, 2022 (MDH 0901XX) and on and before **June 30, 2024 (MDH 0630XX)** equipped with the 1.3l I4 Turbo PHEV engine (Sales Code EYG).**			**MARKET APPLICABILITY:** ☐ NA ☐ MEA ☐ SA ☐ IAP ☒ EE ☐ CH	
CUSTOMER SYMPTOM:	**Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set the following Diagnostic Trouble Code (DTC):** • **P0C74 - Motor Electronics Coolant Pump "B" Control Performance.**				
CAUSE:	**HCP/AHCP/PIM module software updates**				

This bulletin supersedes Technical Service Bulletin (TSB) 08-165-24, date of issue July 18, 2024, which should be removed from your files. All revisions are highlighted with **asterisks and include an updated build date, a new Caution note and an updated Repair Procedure.**

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 24-105, date of issue July 18, 2024. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty.

REPAIR SUMMARY:

This bulletin involves reprogramming the HCP and AHCP (also known as the PIM) with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-86-97	Reprogram Hybrid Control Processor and Auxiliary Hybrid Control Processor/Power Inverter Module (HCP/AHCP/PIM) (0 - Introduction)	8 - Electronic Control Modules	0.7 Hrs.
Failure Code	CC	Customer Concern	
	RF	Required Flash	

The dealer must choose which failure code to use depending on if this is a Rapid Service Update (RSU) or Technical Service Bulletin.

- The “RF” failure code is required for essential module flash/reprogramming and can only be used after confirmation that the VIN is included on the RSU.
- The failure code “RF” (Required Flash) can no longer be used on Technical Service Bulletin flashes. The “RF” failure code must be used on an RSU.
- 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 must be supplied.

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 customers VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits any of the symptom listed above in the customer symptom section, perform the Repair Procedure.

This RSU only applies to vehicles on the RSU VIN list.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

REPAIR PROCEDURE:

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

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.

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).**

CAUTION!!
****The modules to be reprogrammed are many. The order of reflashing must be strictly followed according to the rules reported below. To not respect the order of the reflashing compromises the modules. In particular the AHCP module must be flashed prior to all other modules.****

1. **Open the hood.
2. Install a battery charger and verify that the charging rate provides 13.0 to 13.5 volts. Do not allow the charger to time out during the flash process. Set the battery charger timer (if so equipped) to continuous charge.
3. Connect the wiTECH micro pod II to the vehicle data link connector.
4. Place the ignition in the “RUN” position.
5. Open the wiTECH 2.0 website.
6. Enter your “User id” and “Password” and your “Dealer Code”, then select “Sign In” at the bottom of the screen. Click “Accept”.
7. From the “Vehicle Selection” screen, select the vehicle to be updated.
8. From the “Action Items” screen, select the “Topology” tab.
9. From the “Topology” tab, select the “AHCP” module icon.
10. From the “Flash” tab, compare the “AHCP Part Number” with the “New AHCP Part Number” listed.
11. From the AHCP tab, select the AHCP flash part number. Read the flash special instructions page. Select “OK” to continue.
12. From the flash AHCP agreement page, agree to terms by checking the box.
13. Select “Flash AHCP” and then follow the wiTECH screen instructions to complete the flash.
14. Carry out the “HCP” software update as previously described from points 9 to 14.
15. Click “View DTCs”, select “Clear All DTCs”, click “Continue” and then click “Close”.
16. Place the ignition in the “OFF” position and wait at least five seconds for power latch. Then place again the ignition in the “RUN” position.
17. Place the ignition in the “OFF” position and then remove the wiTECH micro pod II device from the vehicle.
18. Remove the battery charger from the vehicle.
19. Close the vehicle hood.**

POLICY:

Reimbursable within the provisions of the warranty.