SUBJECT:
Flash: Hybrid Control Processor (HCP) and Auxiliary Hybrid Control Processor (AHCP) Updates

OVERVIEW:
This bulletin involves reprogramming the HCP and AHCP or also known as Power Inverter Module (PIM) with the latest available software.

MODELS:

2020	(M7)	Jeep Compass (PHEV)

NOTE: This bulletin applies to vehicles within the following markets/countries: EMEA.

NOTE: This bulletin applies to vehicles built on or before November 04, 2020 (MDH 1104XX) equipped with a 1.3L I4 Turbo PHEV Engine (Sales Code EYG).

SYMPTOM/CONDITION:
Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following Diagnostic Trouble Codes (DTCs) have been set:

- P0A92 - Hybrid Generator Performance.
- P0BFA - Drive Motor ″B″ Phase W Current Sensor Circuit Range/Performance.
- P0BF6 - Drive Motor B Inverter Phase V Current Sensor Circuit Range/Performance.
- P0BF2 - Drive Motor B Inverter Phase U Current Sensor Circuit Range/Performance.
- P0BFE - Drive Motor B Phase U-V-W Current Sensor Correlation.
- P0BEE - Drive Motor A Inverter Phase W Current Sensor Circuit Performance.
- P0BEA - Drive Motor A Inverter Phase V Current Sensor Circuit Performance.
- P0BE6 - Drive Motor A Inverter Phase U Current Sensor Circuit Performance.
- P0BFD - Drive Motor A Phase U-V-W Current Sensor Correlation.

In addition, the customer may notice one or more of the following conditions:

- Turtle (Limp Home Mode) light is on.
- Service 4WD light is on.

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 listed above or if the technician finds the DTC, perform the Repair Procedure.

REPAIR PROCEDURE:

NOTE: Install a battery charger to maintain a 12 volt system voltage.

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

1. Reprogram the HCP and AHCP 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 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.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-86-9T	Processor, Hybrid Control (HCP/AHCP) - Program (0 - Introduction)	1 - Engine Repair and Performance	0.9 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 30 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