STELLANTIS
PARTS & SERVICES

Technical Service Bulletin (TSB)
Battery Pack Control Module (BPCM) Software Update

REFERENCE:	**TSB:** 08-034-24 **GROUP:** 08 - Electrical	**Date:**	January 30, 2024	**REVISION:**	-
VEHICLES AFFECTED:	**2023 (DT) RAM 1500 Pickup** **This bulletin applies to vehicles equipped with the 3.6L V6 24V VVT E-Torque Engine UPG I (Sales Code ERG) and 5.7L V8 Hemi MDS VVT E-Torque Engine (Sales Code EZL).**			**MARKET APPLICABILITY:** ☒ NA ☐ IAP ☐ EE ☒ MEA ☐ SA ☐ CH	
CUSTOMER SYMPTOM:	**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 (DTC)s have been set:** • P0AC0 - Hybrid Battery Pack Current Sensor 1 Circuit Performance. • P1A29 - Cell Supervisory Circuit A Failure. • P0DE7 - Hybrid/EV Battery Pack Cell Voltage High. • P0ABA - Voltage Sense A Circuit. • P0B3D - Hybrid Battery Voltage Sense "A" Circuit Low. • P0B3E - Hybrid Battery Voltage Sense "A" Circuit High. • U3017 - Control Module Timer/Clock Performance. • P0E55 - DC/DC Converter Current Sensor Circuit "A". • P0DAF - Hybrid/EV Battery Cell Balancing Circuit "A". • P0AD4 - Hybrid Battery Pack Air Flow System Insufficient Air Flow.				
CAUSE:	**BPCM Software.**				

REPAIR SUMMARY:
This bulletin involves updating the BPCM with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-87-AC	Module, Battery Pack Control (BPCM) Reprogram 0 - Introduction	6 - Electrical and Body Systems	0.2 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 BPCM 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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