

Technical Service Bulletin (TSB)

Battery Pack Control Module (BPCM) Software Update

REFERENCE:	TSB: 08-419-25 GROUP: 08 - Electrical	Date:	December 23, 2025	REVISION:	-
VEHICLES AFFECTED:	2022 (WS) Wagoneer / Grand Wagoneer This bulletin applies to vehicles equipped with the 5.7L V8 Hemi MDS VVT E-Torque Engine (Sales Code EZL).			MARKET APPLICABILITY: ☒ NA☐ IAP ☒ EE☒ MEA ☐ SA☐ CH NOTE: This bulletin applies to the North America, Enlarged Europe and Middle East & Africa markets.	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician must find that the following Diagnostic Trouble Code (DTC) has been set: - P0AD4 - Hybrid Battery Pack Air Flow System Insufficient Air Flow. Customers may experience the following: - Poor battery performance or charging. - The vehicle may not start.				
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-AT	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:

WARNING!

- 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 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. Place the ignition in the OFF position for 30 seconds to allow the 48V contactor to open; then place the ignition to RUN.
2. Reprogram the BPCM with the latest 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. Clear all DTCs that may have been set in any module due to reprogramming.

POLICY:

Reimbursable within the provisions of the warranty.

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.