

Technical Service Bulletin (TSB)

Electric Vehicle Control Unit (EVCU) Replacement

REFERENCE:	TSB: 08-153-25 GROUP: 08 - Electrical	Date:	May 9, 2025	REVISION:	—
VEHICLES AFFECTED:	2025 (KM) Jeep Wagoneer S This bulletin applies to vehicles built on February 24, 2025 (MDH 0224XX).			MARKET APPLICABILITY: ☒ NA☐ MEA ☐ SA☐ IAP ☐ EE☐ CH	
CUSTOMER SYMPTOM:	Customers may experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle may exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs): • C10F8-00 - Left Front Wheel Hub Disconnect Actuator Position Sensor Circuit Range/Performance. • C10F9-00 - Right Front Wheel Hub Disconnect Actuator Position Sensor Circuit Range/Performance. • P061B-00 - Internal Control Module Torque Calculation Performance. Customers may also comment on one or more of the following: • wiTECH is unable to recognize and update the EVCU software. • Instrument Panel Cluster (IPC), radio range and charge time estimations and messages are not correct. • Battery range incorrect. • Improved battery State of Charge (SoC) accuracy in off-nominal conditions. • Battery heating values incorrect on radio when on Performance Pages display. • Charging does not start when plugged in. • Charging is not indicating when battery is at full charge. • Charging slow or takes too long. • Bumps and jerks while accelerating or decelerating. • Wrench icon is illuminated on the Instrument Panel Cluster (IPC). • Turtle icon is illuminated on the IPC. • Vehicle enters into limp home mode.				
CAUSE:	Incorrect software				

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 25-092, date of issue May 09, 2025. 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 replacing the EVCU.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
08-19-49-9C	Module, Electric Vehicle Control Unit (EVCU) - Replace and Reprogram (3 - Highly Skilled)	6 - Electrical and Body Systems	1.0 Hrs.
Failure Code	ZY	Service Action	

RELATED LOPS:

Labor Operation No:	Labor Description	Skill Category	Labor Time
08-00-02-51	High Voltage Power Down, Power Up, and Isolation Tes (1 - Semi Skilled)	6 - Electrical and Body Systems	0.6 Hrs.

SPARE PARTS:

Qty	Part No.	Description	Notes
1	68566944AF	Module, EV Control Unit, EVCU	

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 customer's 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.

REPAIR PROCEDURE:

1. Replace the EVCU. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 12 - Electrified Powertrain System / Electric Powertrain Control / Modules, High Voltage System / Removal and Installation.

POLICY:

Reimbursable within the provisions of the warranty.

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