



NUMBER: 08-014-21

GROUP: 08 - Electrical

DATE: January 27, 2021

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This Technical Service Bulletin (TSB) has also been released as a Rapid Response Transmittal (RRT) 21-019, date of issue January 27, 2021. All applicable Sold and Un-Sold RRT VINs have been loaded. To verify this RRT 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. This RRT will expire 18 months after the date of issue.

SUBJECT:

Motor Generator Unit (MGU) Connector Not Fully Seated

OVERVIEW:

This bulletin involves replacing the MGU.

MODELS:

2020 - 2021 (DT) RAM 1500 Pickup

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

NOTE: This bulletin applies to the following vehicles built on or after June 11, 2020 (MDH 0611XX) and on or before November 14, 2020 (MDH 1114XX) equipped with a 5.7L V8 HEMI MDS VVT eTorque Engine (Sales Code EZL).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Codes (DTCs).

- U0594 - Implausible Data Received From HCP.
- P1B03-00 - Resolver Signal / MCPA Rationality.
- P0A3F-00 - Drive Motor A Position Sensor 1 Circuit.
- P0607-00 - ECU Internal Performance.
- P1C64-00 - Hybrid Perf - Engine Speed Below Target During Autostart.
- P0A92-00 - Hybrid Generator Performance.

Customers may also experience the following:

- The vehicle has 15-40 minutes of driving time before a vehicle stall. The vehicle will be unable to re-start.
- The vehicle will lose charging of the main 12V battery.
- A check engine light and/or a low battery light illuminates.

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 RRT VIN list, perform the repair. **This RRT only applies to vehicles on the RRT VIN list.**

PARTS REQUIRED:

Qty.	Part No.	Description
1	68438054AC	Motor Generator Unit

REPAIR PROCEDURE:

1. Replace the MGU. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: 08 - Electrical / 8F - Engine Systems / eTorque System / Unit, Motor Generator (MGU) / Removal and Installation.
2. Clear any DTCs that may have been set.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-52-02-92	Motor Generator Unit (MGU) - Replace (2 - Skilled)	1 - Engine Repair and Performance	0.8 Hrs.

FAILURE CODE:

ZZ	Service Action
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