



**NUMBER:** 08-106-21 REV. A

**GROUP:** 08 - Electrical

**DATE:** June 30, 2021

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**This bulletin supersedes Technical Service Bulletin (TSB) 08-106-21, date of issue June 24, 2021, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include an updated step LOP.**

**This Technical Service Bulletin (TSB) has also been released as a Rapid Response Transmittal (RRT) 21-077, date of issue June 24, 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:**

12V Battery Low Charge

**OVERVIEW:**

This bulletin involves testing and possibly replacing the 12V battery.

**MODELS:**

2021 (JL) Jeep Wrangler

**NOTE: This bulletin applies to vehicles within the following markets/countries: North American, APAC and EMEA.**

**NOTE: This bulletin applies to vehicles built on or before March 22, 2021 (MDH 0322XX) equipped with an 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX) and a 600 AMP Maintenance Free Battery (Sales Code BC2) or a 700 AMP Maintenance Free Battery (Sales Code BCV).**

**SYMPTOM/CONDITION:**

Technicians or 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:

- U3007-00 - Control Module Input Power "B" Circuit/Open.
- C2100-00 - Battery Voltage Low.
- C05A4-00 - Wheel Speed Sensors Supply Circuit Low.
- C2129-00 - Battery Voltage.
- U3006-00 - Control Module Input Power "A" Circuit/Open.
- B2199-16 - Battery Voltage-Circuit Voltage Below Threshold.
- B21DD-84 - System Voltage-Signal Below Allowable Range.
- B2199-16 - Battery Voltage-Circuit Voltage Below Threshold.

Technicians or customers may also experience one or more of the following:

- Depleted 12V battery at delivery to dealer.
- Vehicle will not start.

**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 Inspection Procedure. **This RRT only applies to vehicles on the RRT VIN list.**

1. Using the GR8, fully charge the 12 volt battery.
2. Test the 12 volt battery. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>08 - Electrical / 8F - Engine Systems / Battery System / Diagnosis and Testing.
3. Did the 12 volt battery test bad after fully recharging?
  - YES>>> Proceed to [Step 1](#) of the Repair Procedure.
  - NO>>> Battery tested good. Clear any DTCs. Use inspection LOP **\*\*(08-08-01-9C)\*\*** to close the active RRT.

**PARTS REQUIRED:**

| Qty.   | Part No.   | Description                   |
|--------|------------|-------------------------------|
| 1 (AR) | BBH6F001AA | 12V 600 Amp Battery (Storage) |
| 1 (AR) | BBH7A001AA | 12V 700 Amp Battery (Storage) |

**REPAIR PROCEDURE:**

1. Replace the 12 volt battery. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>08 - Electrical / 8F - Engine Systems / Battery System / Battery / 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   |
|---------------------|-------------------------------------------------------------|---------------------------------|----------|
| 08-08-01-9C         | Test, Charge, and Retest Battery (0 - Introduction)         | 6 - Electrical and Body Systems | 0.3 Hrs. |
| 08-08-01-9D         | Test, Charge, Retest and Replace Battery (0 - Introduction) | 6 - Electrical and Body Systems | 0.5 Hrs. |

**FAILURE CODE:**

|    |                |
|----|----------------|
| ZZ | Service Action |
|----|----------------|